HC CAR GO®

Lighting

Electrical Components

Workshop Consumables

ACCESSORIES

Lighting, Electrical Components & Workshop Consumables

2021/2023

NEW

Check out our new Engine management assortment

From page 9

HC-CARGO Always Online

The products you require are only a few clicks away!
www.hc-cargo.com

FULL PROGRAM IN OUR ONLINE SHOP

ACCESSORIES
LIGHTING, ELECTRICAL COMPONENTS & WORKSHOP CONSUMABLES

For full program overview visit
www.hc-cargo.com

Warranty policy
We pride ourselves on excellent quality, but now you can rest even easier knowing that all HC-CARGO branded products purchased are covered by a fantastic 2-Year Warranty

Edition 2021/2023

ISO 9001 BUREAU VERITAS Certification

ISO 14001 BUREAU VERITAS Certification

This new HC-CARGO Accessories catalogue covers these product groups:

Lighting

HC-CARGO offers a wide range of bright, long-lasting and economical lighting products for interior and exterior vehicle lighting. They meet the strictest mandatory safety regulations. Regular product testing and supplier audits ensure the quality and durability of HC-CARGO lighting products. The range is continuously developed with innovative products, with a special focus on LED technology:

- Rotating beacons
- Rear multi-function lamps
- Bulbs
- Work lamps
- Reflectors
- LED lamps

Electrical Components

Electrical components required at the auto electrical workshop or by the specialist who has excelled in building complete electrical systems for the automotive customer:

- CCTV rear observation systems for professional and private use
- Fans and blowers
- Wiper motors & FlexFit wiper blades
- Main Switches
- Power management products such as Inverters and Converters
  ...and many more electrical related products

Other Accessories and Tools

We offer many more parts for your daily business:

Electrical pumps, horns, blowers, ignition switches, gauges, battery isolators, universal lambda sensors, parking assistants, reverse alarms, glow plugs, shutdown solenoids, wiring, fuses, relays, plugs, sockets, multifunction testers, extractors, switches, sensors, contacts.

Workshop Consumables

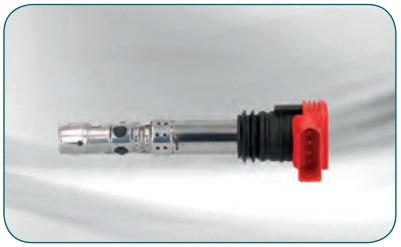
We offer a comprehensive range of the components most commonly used in the automotive workshop.
These include cables, wiring and installation materials specifically for fitting electrical components and accessories.
We also offer a wide range of:

- Universal relays
- Specific relays for diesel applications
- Crimping tools and special tools for the purpose of dismantling and assembling starters and alternators
- Other electrical tools, including multi-meters and trailer connector testers.

In addition to the extended product program, the catalogue provides a new an easy overview of each individual product range.

Moreover, you can also find more precise product information and detailed drawings on a larger number of products than before.

As we continuously are extending our portfolio to offer our customers the most comprehensive program you can always see an up-to-date- and complete program by using our web catalogue at www.hc-cargo.com



NEW – Engine Management

HC-CARGO has developed an attractive, reliable and competitive range of commonly replaced sensors.
The range includes sensors (ABS, lambda, air mass, camshaft, crankshaft, MAP), EGR valves and ignition coils.
We are continuously extending the program, so we offer you an even more comprehensive portfolio to choose from.
You can always see our full and updated range in our online shop www.hc-cargo.com
Read more details about HC-CARGO Engine Management on page 9.

Retail packaging

For these product categories we are developing appealing packaging suitable for retail use.

- FlexFit wiper blades
- Bulbs
- Work lamps
- Warning lights
- Cameras & monitors
- Fuses, relays, connectors
- Inverters, converters

And more will follow as we develop our range. This makes the products stand out on shelf and are easier to find.

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Care is taken to ensure the accuracy of descriptions and applications of each item, but CAR GO assumes no responsibility for possible errors. O.E.M. names and numbers are used for reference purposes only.
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ABBREVIATIONS:

A/C=Air Condition, **Alu**=Aluminium, **Amp**=Ampere, **AT**=Automatic Transmission, **Cat.**=Catalyzer, **Cyl.**=Cylinder, **CW**=Clockwise rotation, **Eur.**=European application, **FWD.**=Front Wheel Drive, **H**=Hight, **HD**=Heavy Duty construction, **HP**=Horse Power, **ID**=Inner Diameter, **kW.**=Kilowatt, **L**=Length, **LHD**=Left Hand Drive, **LL.**=Lead Length, **M**=Minimum supply, **MT**=Manual Transmission, **m**=Metre, **OD**=Outer Diameter, **OE**=Original Equipment, **PS**=Power Steering, **RHD**=Right Hand Drive, **Th.**=Thickness, **V**=Volt, **w/**=With, **w/o**=Without, **W.**=Width, **4WD.**=Four Wheel Drive.

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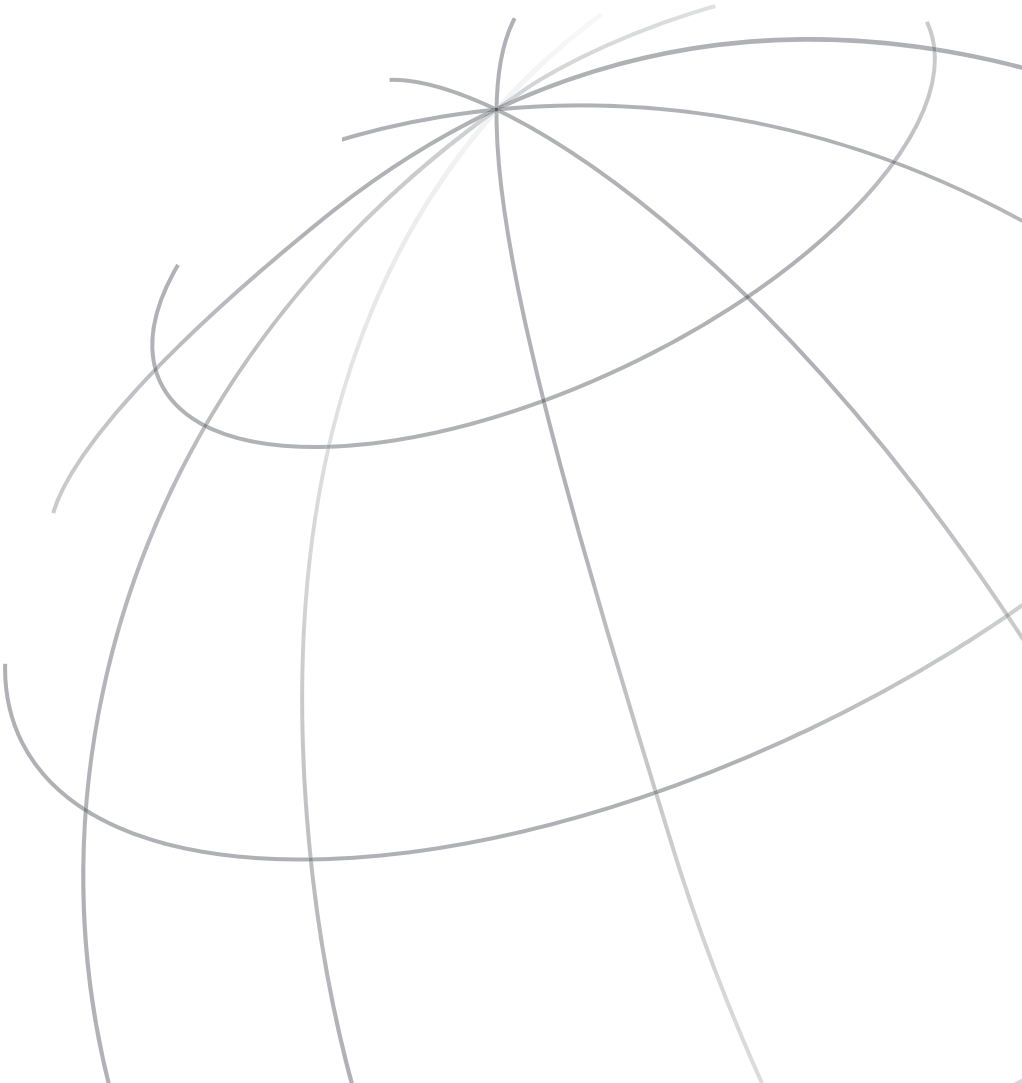
- Air Mass Sensors
- Electronic Ignition Coils
- Camshaft / Crankshaft Sensors
- MAP Sensors
- Lambda Sensors



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Engine Management @ HC-CARGO

Engine management systems have become a fundamental element in modern motor vehicles. The number of different electronic and electric components in vehicles has dramatically increased in recent years.

Typical market drivers for this are also electrification, advanced safety, automated driving and tightened regulations on exhaust emission controls.

Therefore, HC-CARGO has developed an attractive, reliable and competitive range of commonly replaced sensors. Here you can see which types of sensors, valves and coils we offer.

We will continue to extend the program to offer you an even more comprehensive offer. You can always see our full and updated range in our online webshop: www.hc-cargo.com

We have products for all leading makes in the european car park.

EGR Valves

An EGR valve recirculates a measured amount of exhaust gas into the engine's air intake to lower combustion temperatures.
This reduces the level of hazardous nitrogen dioxide (NOx) concentration emitted to the environment by up to 50%.
E.g. applications for: VW Group, Opel, Fiat, Renault, Peugeot, Citroën, Ford and others

ABS Sensors

The ABS system detects incipient locking of one or more wheels at an early stage and selectively reduces the braking pressure. Without an ABS system the wheels of a vehicle can become locked when braking.
E.g. applications for: VW Group, Peugeot, Citroën, Fiat, Renault, Ford, BMW, Mercedes-Benz and others

Air Mass Sensors

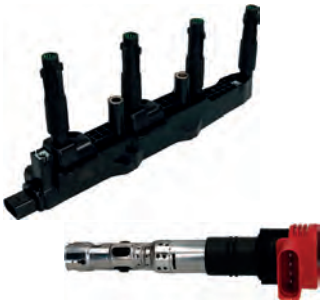
Air mass sensors register the mass of air that is being drawn into the engine and converts this into an electrical signal, which is sent to the ECU.

E.g. applications for: VW Group, Ford, Opel, Fiat, BMW, Peugeot, Citroën, Mercedes-Benz and others

Electronic Ignition Coils

The purpose of the coil's pulses is to generate a spark (arc) between the electrodes of the spark plugs that is necessary to start the internal combustion.

E.g. applications for: Opel, VW Group, Kia, Toyota, Peugeot, Citroën, Fiat, Mercedes-Benz, Renault and others



Camshaft / Crankshaft Sensors

These two sensor types monitors the position or rotational speed of the camshaft/crankshaft drive. This information is used by the ECU to control the fuel injection and the ignition timing as well as other engine parameters.

E.g. applications for: Opel, VW Group, Fiat, Ford, Renault, Nissan, Peugeot, Citroën and others

MAP Sensors

MAP sensors provide manifold pressure data to the car's ECU. The ECU uses this input to calculate the engine's load, thereby establishing the correct fuel dosage and ignition timing.

E.g. applications for: Fiat, Ford, Opel, Peugeot, Citroën, VW Group, Renault and others

Lambda Sensors

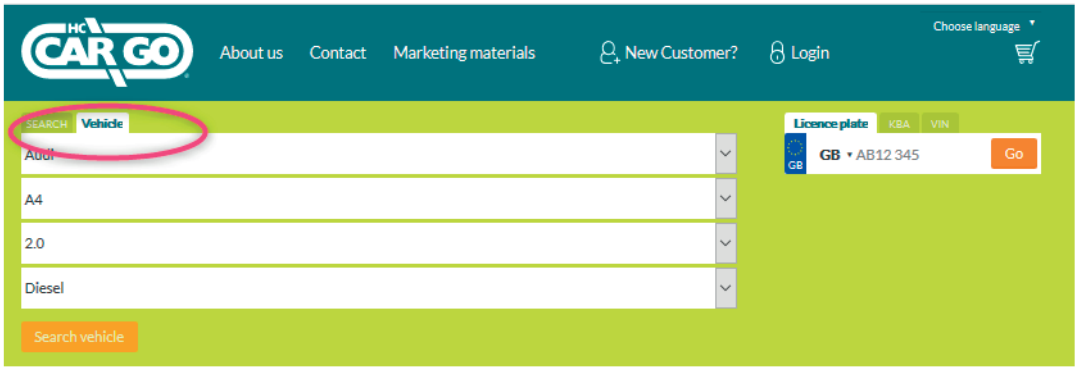
A lambda sensor measures the proportion of oxygen (O2) in the exhaust system.

The sensor helps the engine run as efficiently as possible while also minimising various emissions.

E.g. applications for: VW Group, Ford, Opel, Fiat, Mercedes-Benz, Peugeot, Citroën, Nissan, Toyota, BMW, Renault and others

How to find the right sensor

Vehicle search

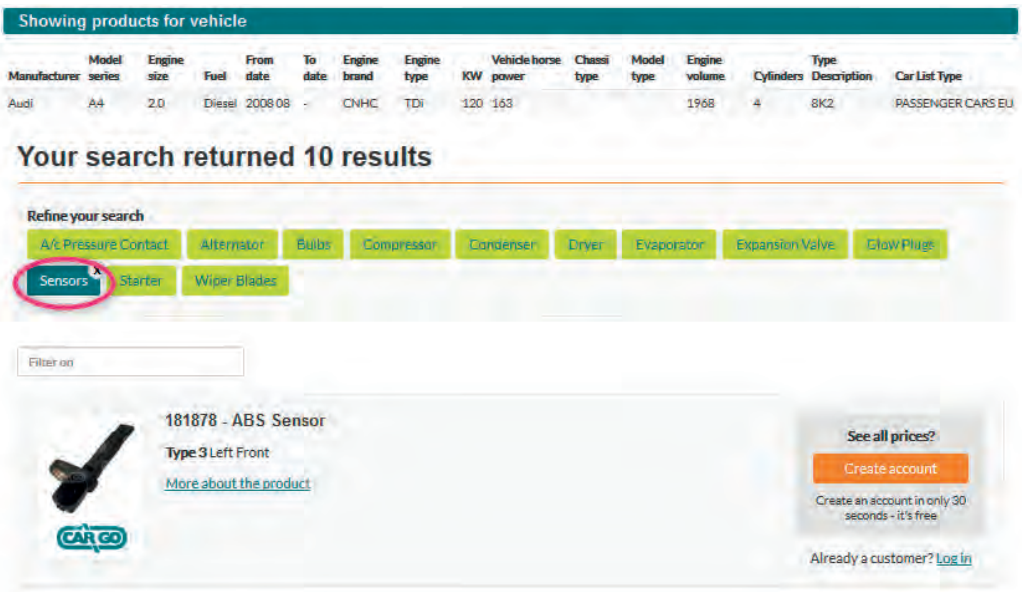


Your search on "Audi A4" returned 140 results

Prev 1 2 3 4 5 6 Next

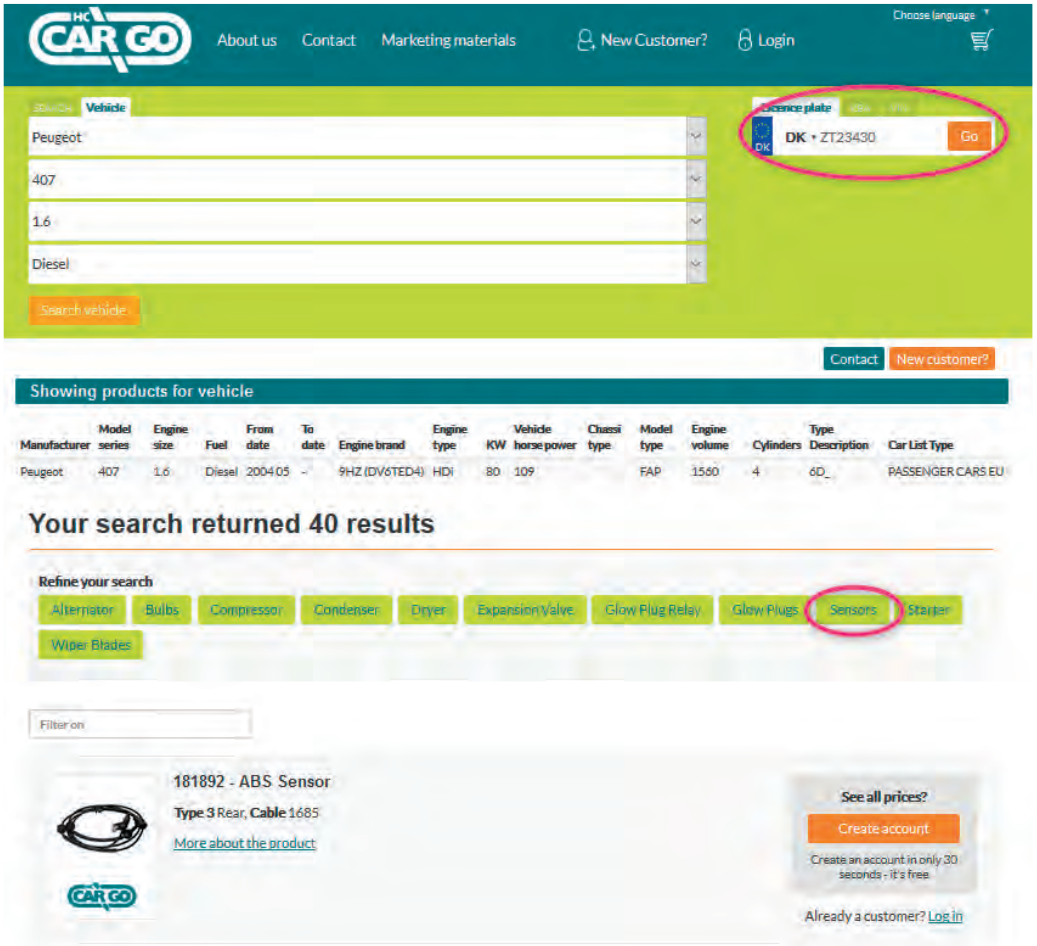
Manufacturer	Model series	Engine size	Fuel	From date	To date	Engine brand	Engine type	KW	Vehicle horse power	Chassis type	Model type	Engine volume	Cylinders	Type Description	Car List Type	
Audi	A4	2.0	Diesel	2004-11	-	BRE	TDi 16V	103	140			1968	4	8EC	PASSENGER CARS EU	Products
Audi	A4	2.0	Diesel	2004-11	-	BLB	TDi 16V	103	140			1968	4	8EC	PASSENGER CARS EU	Products
Audi	A4	2.0	Diesel	2006-01	-	BPW	TDi	103	140	Estate	Quattro	1968	4	8ED	PASSENGER CARS EU	Products
Audi	A4	2.0	Diesel	2007-11	-	CAGA	TDi	105	143			1968	4	8K2	PASSENGER CARS EU	Products
Audi	A4	2.0	Diesel	2007-11	-	CMEA	TDi	105	143			1968	4	8K2	PASSENGER CARS EU	Products
Audi	A4	2.0	Diesel	2005-09	2006-09	BVG	TDi	89	121	Estate		1968	4	8ED	PASSENGER CARS EU	Products
Audi	A4	2.0	Diesel	2006-06	-	BVA	TDi	120	163			1968	4	8EC	PASSENGER CARS EU	Products
Audi	A4	2.0	Diesel	2006-06	-	BVA	TDi	120	163	Estate		1968	4	8ED	PASSENGER CARS EU	Products
Audi	A4	2.0	Diesel	2006-06	-	BRD	TDi	125	170	Estate	Quattro	1968	4	8ED	PASSENGER CARS EU	Products
Audi	A4	2.0	Diesel	2008-08	-	CNHC	TDi	120	163			1968	4	8K2	PASSENGER CARS EU	Products

Click on "Products"
and Pick sensors:

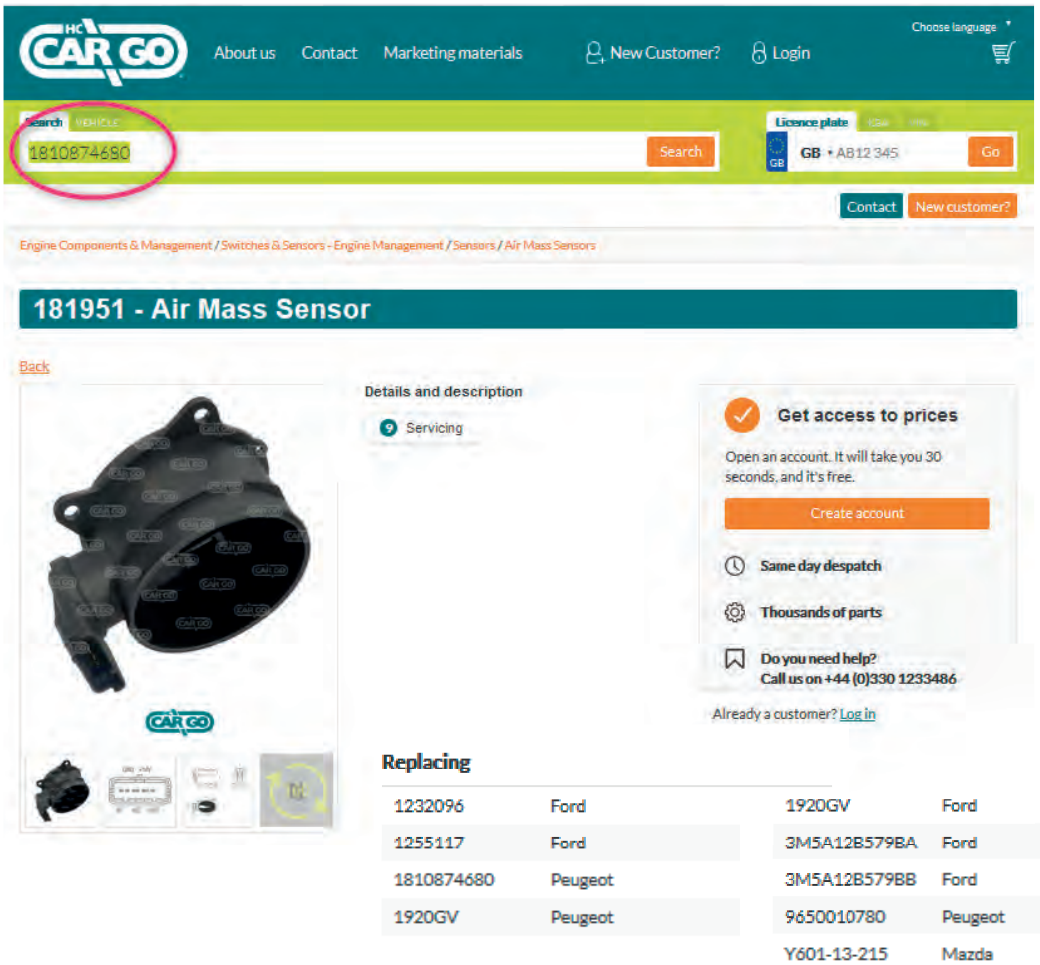


in our online shop...

Number plate search



Search via OE or competitor reference



Lighting

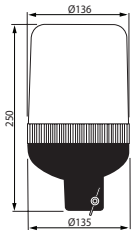
Edition 2021/2023

WARNING LIGHTS

ROTATING BEACONS CONVENTIONAL

170295 Rotating Beacon — Std pkg 1

Dome: HC-CARGO 170308, 170366. Motor: HC-CARGO 170505. Base Plate: HC-CARGO 170309.



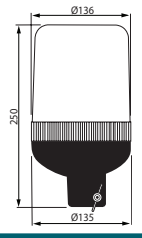
Bulb incl.: Yes
Voltage: 12

OD: 136 mm
Height: 250 mm

Bulb type: H1
Lens type: PMMA/ACRYL
Colour: Orange
Model: AEB TYPE 590
Mount.: Standard ISO A - Rod
E-approval: Yes
Alternativ no.: 171399

170296 Rotating Beacon — Std pkg 1

Dome: HC-CARGO 170308, 170366. Motor: HC-CARGO 170506. Base Plate: HC-CARGO 170309.



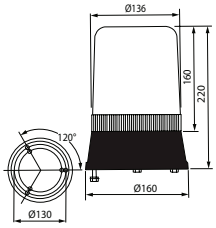
Bulb incl.: Yes
Voltage: 24

OD: 136 mm
Height: 250 mm

Bulb type: H1
Lens type: PMMA/ACRYL
Colour: Orange
Model: AEB TYPE 590
Mount.: Standard ISO A - Rod
E-approval: Yes
Alternativ no.: 171399

170435 Rotating Beacon — Std pkg 1

Dome: HC-CARGO 170308, 170366. Motor: HC-CARGO 170505. Base Plate: HC-CARGO 170309.



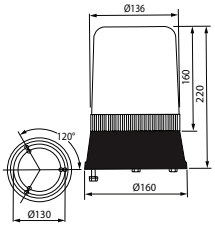
Bulb incl.: Yes
Voltage: 12

OD: 160 mm
Height: 220 mm

Bulb type: H1
Lens type: PMMA/ACRYL
Colour: Orange
Model: AEB TYPE 595
Mount.: Standard ISO B2 (and B1) - Base
E-approval: Yes

170436 Rotating Beacon — Std pkg 1

Dome: HC-CARGO 170308, 170366. Motor: HC-CARGO 170506. Base Plate: HC-CARGO 170309.



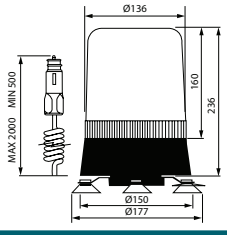
Bulb incl.: Yes
Voltage: 24

OD: 160 mm
Height: 220 mm

Bulb type: H1
Lens type: PMMA/ACRYL
Colour: Orange
Model: AEB TYPE 595
Mount.: Standard ISO B2 (and B1) - Base
E-approval: Yes

170437 Rotating Beacon — Std pkg 1

Dome: HC-CARGO 170308, 170366. Motor: HC-CARGO 170505. Base Plate: HC-CARGO 170309. Coil cable: lenght 2 m.



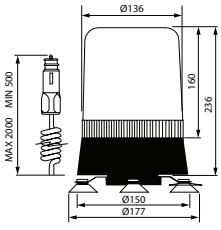
Bulb incl.: Yes
Voltage: 12

OD: 177 mm
Height: 236 mm

Bulb type: H1
Lens type: PMMA/ACRYL
Colour: Orange
Model: AEB TYPE 595 M
Mount.: 3 magnets
Base: Magnetic
Coiled cable incl.: Yes
E-approval: Yes

170438 Rotating Beacon — Std pkg 1

Dome: HC-CARGO 170308, 170366. Motor: HC-CARGO 170505. Base Plate: HC-CARGO 170309. Coil cable: lenght 2 m.



Bulb incl.: Yes
Voltage: 24

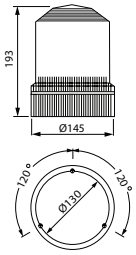
OD: 177 mm
Height: 236 mm

Bulb type: H1
Lens type: PMMA/ACRYL
Colour: Orange
Model: AEB TYPE 595 M
Mount.: 3 magnets
Base: Magnetic
Coiled cable incl.: Yes
E-approval: Yes

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

170490 Rotating Beacon — Std pkg 1

Dome: HC-CARGO 170492. Beacon Socket: HC-CARGO 170525. Base Plate: HC-CARGO 170528.



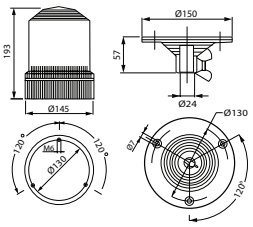
Bulb incl.: No
Voltage: 12/24

OD: 145 mm
Height: 193 mm

Bulb type: H1
Lens type: PMMA/ACRYL
Colour: Orange
Model: TYPE FT 6
Mount.: Standard ISO B2 (and B1) - Base
Tightness norm: IP 55
E-approval: Yes

170491 Rotating Beacon — Std pkg 1

Dome: HC-CARGO 170492. Base Plate: HC-CARGO 170528.



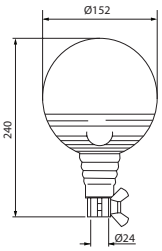
Bulb incl.: No
Voltage: 12/24

OD: 150 mm
Height: 250 mm

Bulb type: H1
Lens type: PMMA/ACRYL
Colour: Orange
Model: TYPE FT 6
Mount.: Standard ISO-DIN A or B fixing
Base: Rigid
Tightness norm: IP 55
E-approval: Yes

170540 Rotating Beacon — Std pkg 1

Dome: HC-CARGO 170543.



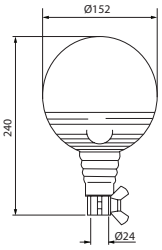
Bulb incl.: Yes
Voltage: 12

OD: 152 mm
Height: 240 mm

Bulb type: H1
Lens type: Polycarbonate
Colour: Orange
Model: Boule
Mount.: Standard ISO A - Rod
Base: Flexible
Hi impact: Yes
Waterproof: Yes
Tightness norm: IP 66
E-approval: Yes

170541 Rotating Beacon — Std pkg 1

Dome: HC-CARGO 170543.

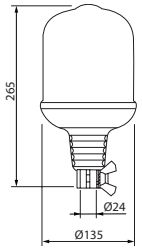


Bulb incl.: Yes
Voltage: 24

OD: 152 mm
Height: 240 mm

Bulb type: H1
Lens type: Polycarbonate
Colour: Orange
Model: Boule
Mount.: Rod (ISO-DIN A)
Base: Flexible
Hi impact: Yes
Tightness norm: IP 66
E-approval: Yes

170551 Rotating Beacon — Std pkg 1



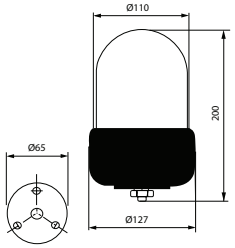
Bulb incl.: Yes
Voltage: 12

OD: 135 mm
Height: 265 mm

Bulb type: H1
Lens type: Polycarbonate
Colour: Orange
Model: TYPE GF 8.8 FLX
Mount.: Standard ISO A - Rod
Base: Flexible
Hi impact: Yes
Tightness norm: IP 54
E-approval: Yes

170598 Rotating Beacon — Std pkg 1

Dome: HC-CARGO 170691.



Bulb incl.: No
Voltage: 12/24

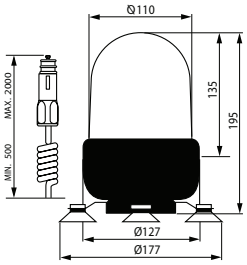
OD: 127 mm
Height: 200 mm

Bulb type: H1
Lens type: PMMA/ACRYL
Colour: Orange
Model: AEB TYPE 525
Mount.: Single bolt
E-approval: Yes

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

170599 Rotating Beacon — Std pkg 1

Dome: HC-CARGO 170691.

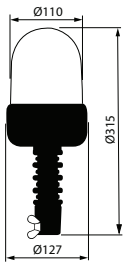


Bulb incl.: No
Voltage: 12/24

OD: 127 mm
Cable length: 2000 mm
Height: 195 mm

Bulb type: H1
Lens type: PMMA/ACRYL
Colour: Orange
Model: AEB TYPE 525 M
Mount.: 3 magnets
Base: Magnetic
Coiled cable incl.: Yes
E-approval: Yes

170601 Rotating Beacon — Std pkg 1



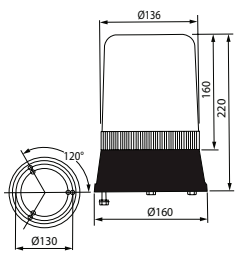
Bulb incl.: No
Voltage: 12/24

OD: 127 mm
Height: 315 mm

Bulb type: H1
Lens type: Polycarbonate
Colour: Orange
Model: AEB TYPE 530 B
Mount.: Standard ISO A - Rod
Base: Flexible
Hi impact: Yes
E-approval: Yes

170798 Rotating Beacon — Std pkg 1

Dome: HC-CARGO 170308, 170366. Motor: HC-CARGO 170505, 170506. Base Plate: HC-CARGO 170309.



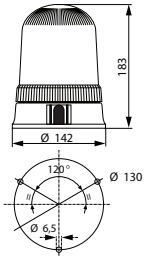
Bulb incl.: No
Voltage: 12/24

OD: 160 mm
Height: 220 mm

Bulb type: H1
Lens type: PMMA/ACRYL
Colour: Blue
Model: AEB TYPE 595
Mount.: Standard ISO B2 (and B1) - Base
E-approval: Yes

170830 Rotating Beacon — Std pkg 1

Dome: HC-CARGO 170945.

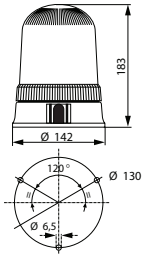


Bulb incl.: No
Voltage: 12/24

OD: 142 mm
Height: 183 mm

Bulb type: H1
Lens type: PMMA/ACRYL
Colour: Orange
Mount.: Standard ISO B2 (and B1) - Base
E-approval: Yes

171019 Rotating Beacon — Std pkg 1

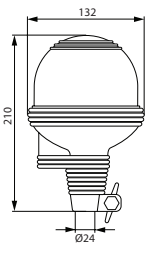


Bulb incl.: No
Voltage: 12/24

OD: 142 mm
Height: 183 mm

Bulb type: H1
Lens type: PMMA/ACRYL
Colour: Blue
Model: Astral
Mount.: Standard ISO A/B2 (and B1) - Rod/base
E-approval: Yes

171060 Rotating Beacon — Std pkg 1



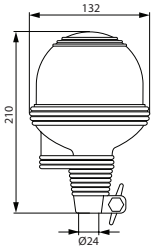
Bulb incl.: Yes
Voltage: 12

OD: 132 mm
Height: 210 mm

Bulb type: H1
Lens type: Polycarbonate
Colour: Orange
Model: Megalux
Mount.: Standard ISO A - Rod
Base: Flexible
Hi impact: Yes
E-approval: Yes

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

171061 Rotating Beacon — Std pkg 1



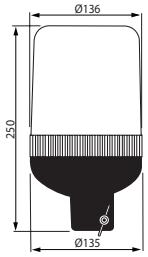
Bulb incl.: Yes
Voltage: 24

OD: 132 mm
Height: 210 mm

Bulb type: H1
Lens type: Polycarbonate
Colour: Orange
Model: Megalux
Mount.: Standard ISO A - Rod
Base: Flexible
Hi impact: Yes
E-approval: Yes

171399 Rotating Beacon — Std pkg 1

Dome: HC-CARGO 170308, 170366. Motor: HC-CARGO 170505, 170506. Base Plate: HC-CARGO 170309.

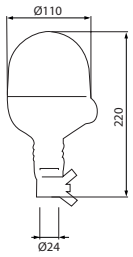


Bulb incl.: No
Voltage: 12/24

OD: 136 mm
Height: 250 mm

Bulb type: H1
Lens type: PMMA/ACRYL
Colour: Orange
Model: 590 DVO
Mount.: Standard ISO A - Rod
E-approval: Yes

171423 Rotating Beacon — Std pkg 1

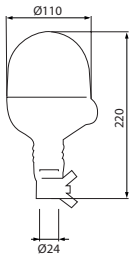


Bulb incl.: Yes
Voltage: 12
Watt: 55

OD: 110 mm
Height: 220 mm

Bulb type: H1
Lens type: Polycarbonate
Colour: Orange
Model: Microboule
Mount.: Standard ISO A - Rod
Base: Flexible
Hi impact: Yes
Tightness norm: IP 55
Approval: CE
E-approval: Yes

171424 Rotating Beacon — Std pkg 1



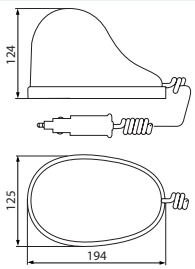
Bulb incl.: Yes
Voltage: 24
Watt: 55

OD: 110 mm
Height: 220 mm

Bulb type: H1
Lens type: Polycarbonate
Colour: Orange
Model: Microboule
Mount.: Rod (ISO-DIN A)
Base: Flexible
Hi impact: Yes
Tightness norm: IP 55
Approval: CE
E-approval: Yes

171494 Rotating Beacon — Std pkg 1

Tested for 200 kmh. Lens: HC-CARGO 171512. 2 mtr. coiled cable. Rubber base. Coiled Cable: HC-CARGO 171562.



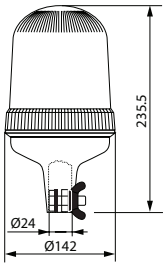
Bulb incl.: Yes
Voltage: 12

OD: 125 mm
Length: 194 mm
Height: 124 mm

Bulb type: H1
Lens type: Polycarbonate
Colour: Orange
Model: GDO
Mount.: 1 magnet
Base: Magnetic
Hi impact: Yes
Coiled cable incl.: Yes
Tightness norm: IP 55
E-approval: Yes

171577 Rotating Beacon — Std pkg 1

Dome: HC-CARGO 170945.



Bulb incl.: Yes
Voltage: 12

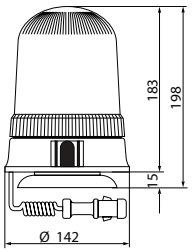
OD: 142 mm
Height: 235.5 mm

Bulb type: H1
Colour: Orange
Model: Astral
Mount.: Standard ISO A - Rod
Base: Rigid
E-approval: Yes

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

171587 Rotating Beacon — Std pkg 1

Dome: HC-CARGO 170945.



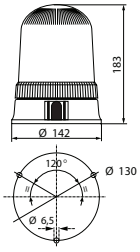
Bulb incl.: No
Voltage: 12/24

OD: 142 mm
Height: 198 mm

Bulb type: H1
Colour: Orange
Model: Astral
Mount.: 1 magnet
Coiled cable incl.: Yes
E-approval: Yes

171588 Rotating Beacon — Std pkg 1

Dome: HC-CARGO 170945.



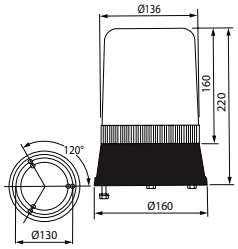
Bulb incl.: No
Voltage: 12/24

OD: 142 mm
Height: 183 mm

Bulb type: H1
Colour: Orange
Model: Astral
Mount.: Single bolt
E-approval: Yes

171705 Rotating Beacon — Std pkg 1

Dome: HC-CARGO 170308. Motor: HC-CARGO 170505, 170506.



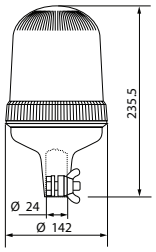
Bulb incl.: No
Voltage: 12/24

OD: 160 mm
Height: 220 mm

Bulb type: H1
Lens type: PMMA/ACRYL
Colour: Orange
Model: AEB TYPE 595
Mount.: Plan (ISO-DIN B)
E-approval: Yes

171793 Rotating Beacon — Std pkg 1

Dome: HC-CARGO 170945.



Bulb incl.: No
Voltage: 12/24

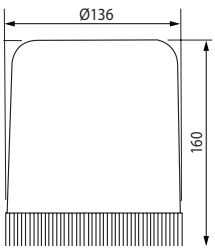
OD: 142 mm
Height: 235.5 mm

Bulb type: H1
Lens type: Polycarbonate
Colour: Orange
Model: Astral flex
Mount.: Standard ISO A - Rod
Base: Flexible
Hi impact: Yes
E-approval: Yes

SPARE PARTS

170308 Dome — Std pkg 1

Servicing: HC-CARGO 170295, 170296, 170435, 170436, 170437, 170438, 170798, 171399, 171705

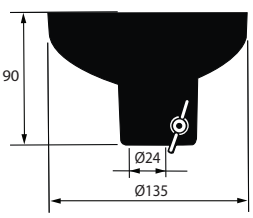


OD: 136 mm
Height: 160 mm

Lens type: PMMA/ACRYL
Colour: Orange
Model: TYPE 590/595/595M

170309 Base Plate — Std pkg 1

Servicing: HC-CARGO 170295, 170296, 170435, 170436, 170437, 170438, 170798, 171399

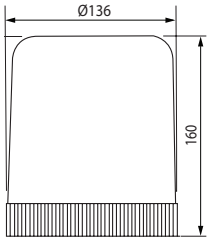


OD: 135 mm
Height: 90 mm

Model: TYPE 590/595/595M

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

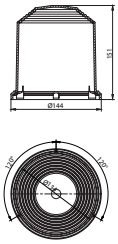
170366 Dome — Std pkg 1 — **Servicing:** HC-CARGO 170295, 170296, 170435, 170436, 170437, 170438, 170798, 171399



OD: 136 mm
Height: 160 mm

Lens type: PMMA/ACRYL
Colour: Blue
Model: TYPE 590/595/595M

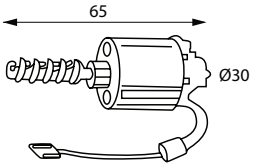
170492 Dome — Std pkg 1 — **Servicing:** HC-CARGO 170490, 170491



OD: 134 mm
Height: 151 mm

Lens type: PMMA/ACRYL
Colour: Orange
Model: TYPE FT 6
Hi impact: No

170505 Beacon Motor — Std pkg 1 — **Servicing:** HC-CARGO 170295, 170435, 170437, 170438, 170798, 171399, 171705

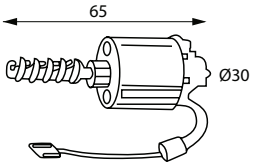


Voltage: 12

Height: 65 mm
Width: 30 mm

Model: TYPE 590/595/595M

170506 Beacon Motor — Std pkg 1 — **Servicing:** HC-CARGO 170296, 170436,170798, 171399, 171705

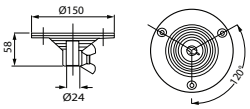


Voltage: 24

Height: 65 mm
Width: 30 mm

Model: TYPE 590/595/595M

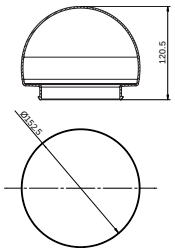
170528 Base Plate — Std pkg 1 — **Servicing:** HC-CARGO 170491, 170490, 170650, 170651, 171498, 170680



OD: 150 mm
Height: 58 mm

Model: TYPE FT 6
Mount.: Standard ISO A - Rod

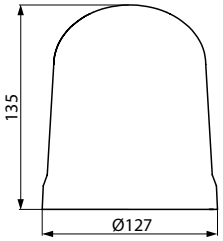
170543 Dome — Std pkg 1 — **Servicing:** HC-CARGO 170540, 170541



OD: 152.5 mm
Height: 120.5 mm

Lens type: Polycarbonate
Colour: Orange
Model: Boule
Hi impact: Yes

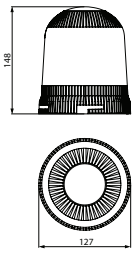
170691 Lens — Std pkg 1 — **Servicing:** HC-CARGO 170598, 170599



Lens type: PMMA/ACRYL
Colour: Orange
Model: TYPE 525/525 M
Hi impact: No

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

170945 Dome — Std pkg 1 — **Servicing:** HC-CARGO 170830, 171019, 171577, 171587, 171588, 171793, 172027, 172028, 172029, 172030, 172075



OD: 127 mm
Height: 148 mm

Lens type: PMMA/ACRYL
Colour: Orange
Model: Astral
E-approval: Yes

171518 Coiled Cable — Std pkg 1 — **Servicing:** HC-CARGO 170292, 170387, 170405, 170788, 170406, 170562, 170789, 170537, 171576, 170419, 170460

Working length: 2 m

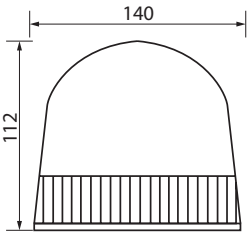
Plug type: Cigar plug
Plug: 2
ISO norm: 4165

171562 Coiled Cable — Std pkg 1 — **Servicing:** HC-CARGO 171494, 171495

Working length: 3 m

Plug type: Cigar plug

172110 Dome — Std pkg 1 — **Servicing:** HC-CARGO 172099, 172100, 172101

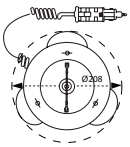


OD: 140 mm
Height: 112 mm

Lens type: PMMA/ACRYL
Colour: Orange
E-approval: Yes

ACCESSORIES

170525 Beacon Socket — Std pkg 1 — **Servicing:** HC-CARGO 170490, 171017

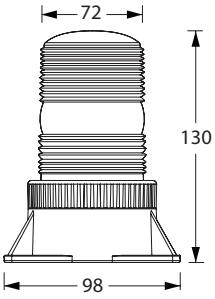


Cable length: 2000 mm
Height: 28 mm
Width: 147 mm

Model: TYPE FT 6
Mount.: 3 magnets
Base: Magnetic
Coiled cable incl.: Yes
Tightness norm: IP 55

ROTATING BEACONS LED

171673 LED Beacon — Std pkg 1



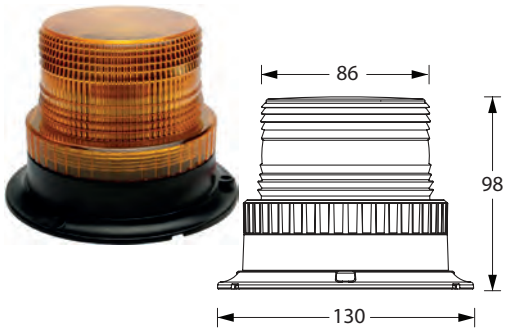
Voltage: 11-110
Amp: 0.7
Watt: 6

OD: 98 mm
Length: 98 mm
Cable length: 300 mm
Height: 130 mm

Bulb type: 6 LED
Lens type: Polycarbonate
Flash rate: 45 min.
Colour: Orange
Mount.: Plan
Flash patterns: 1
Hi impact: Yes
Coiled cable incl.: No
Waterproof: Yes
Tightness norm: IP 66
Approval: ECE R10
E-approval: No

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

171674 LED Beacon — Std pkg 1

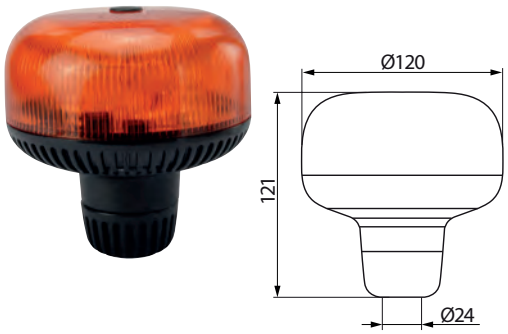


Voltage: 11-110
Amp: 0.7
Watt: 6

OD: 130 mm
Cable length: 300 mm
Height: 98 mm

Bulb type: 6 LED
Lens type: Polycarbonate
Flash rate: 45 min.
Colour: Orange
Mount.: Plan
Flash patterns: 1
Hi impact: Yes
Coiled cable incl.: No
Waterproof: Yes
Tightness norm: IP 68
Approval: ECE R10
E-approval: No
Alternativ no.: 172145

171763 LED Beacon — Std pkg 1

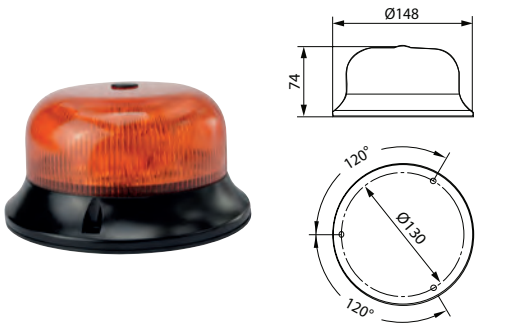


Voltage: 12/24
Amp: 1.7/0.8
Watt: 45

OD: 120 mm
Height: 121 mm

Bulb type: 8 LED
Lens type: Polycarbonate
Flash rate: 130 min.
Colour: Orange
Material: Aluminium
Mount.: Standard ISO A - Rod
Base: Rigid
Flash patterns: 2
Hi impact: Yes
Waterproof: Yes
Tightness norm: IP 66
Approval: ECE-R10/ECE-R65
E-approval: Yes

171764 LED Beacon — Std pkg 1



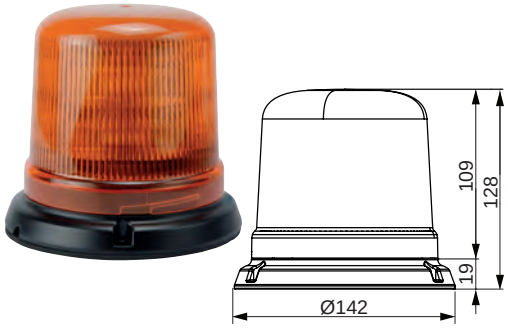
Voltage: 12/24
Amp: 1.7/0.8
Watt: 45

OD: 148 mm
Height: 74 mm
Dist. mount. holes: 130 mm

Bulb type: 8 LED
Lens type: Polycarbonate
Flash rate: 130 min.
Colour: Orange
Material: Aluminium
Mount.: Plan
Flash patterns: 2
Hi impact: Yes
Waterproof: Yes
Tightness norm: IP 66
Approval: ECE-R10/ECE-R65
E-approval: Yes

171918 LED Beacon — Std pkg 1

Dome: HC-CARGO 171941.



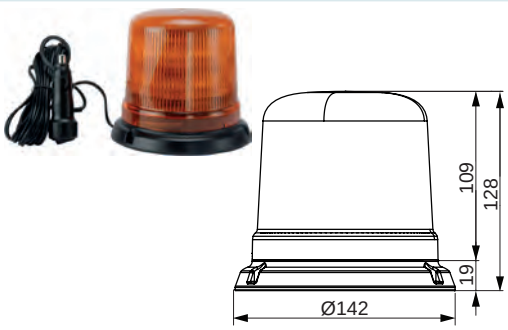
Voltage: 12-24
Amp: 1.2/2.9
Watt: 37

OD: 142 mm
Cable length: 400 mm
Height: 128 mm

Bulb type: 10 LED
Lens type: Polycarbonate
Colour: Orange
Material: Aluminium
Mount.: Plan
Flash patterns: 11
Hi impact: Yes
Coiled cable incl.: No
Waterproof: Yes
Tightness norm: IP 65
Approval: SAE/ECE-R65, CISPR 25 Class 5
E-approval: Yes

171919 LED Beacon — Std pkg 1

Dome: HC-CARGO 171941.



Voltage: 12-24
Amp: 1.2/2.9
Watt: 37

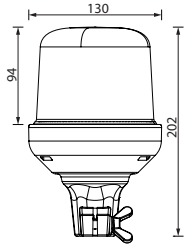
OD: 142 mm
Cable length: 3000 mm
Height: 128 mm

Bulb type: 10 LED
Lens type: Polycarbonate
Colour: Orange
Material: Aluminium
Mount.: Lighter Socket
Base: Magnetic
Flash patterns: 11
Hi impact: Yes
Waterproof: Yes
Tightness norm: IP 65
Approval: SAE/ECE-R65, CISPR 25 Class 5
E-approval: Yes

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

171920 LED Beacon — Std pkg 1

Dome: HC-CARGO 171941.



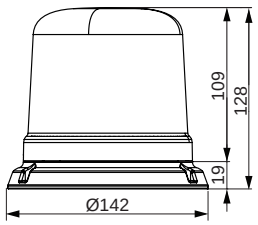
Voltage: 12-24
Amp: 1.2/2.9
Watt: 37

OD: 130 mm
Height: 202 mm

Bulb type: 10 LED
Lens type: Polycarbonate
Colour: Orange
Material: Aluminium
Mount.: Standard ISO A - Rod
Flash patterns: 11
Hi impact: Yes
Waterproof: Yes
Tightness norm: IP 65
Approval: SAE/ECE-R65, CISPR 25 Class 5
E-approval: Yes

171921 LED Beacon — Std pkg 1

Dome: HC-CARGO 171942.



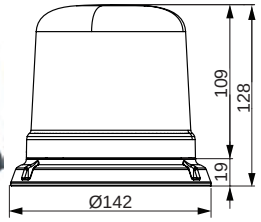
Voltage: 12-24
Amp: 1.2/2.9
Watt: 37

OD: 142 mm
Height: 128 mm

Bulb type: 10 LED
Lens type: Polycarbonate
Colour: Blue
Material: Aluminium
Mount.: Plan
Flash patterns: 11
Hi impact: Yes
Coiled cable incl.: No
Waterproof: Yes
Tightness norm: IP 65
Approval: SAE/ECE-R65, CISPR 25 Class 5
E-approval: Yes

171922 LED Beacon — Std pkg 1

Dome: HC-CARGO 171942.



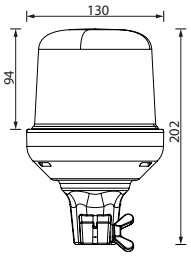
Voltage: 12-24
Amp: 1.2/2.9
Watt: 37

OD: 142 mm
Height: 128 mm

Bulb type: 10 LED
Lens type: Polycarbonate
Colour: Blue
Material: Aluminium
Mount.: 3 magnets
Flash patterns: 11
Hi impact: Yes
Coiled cable incl.: Yes
Waterproof: Yes
Tightness norm: IP 65
Approval: SAE/ECE-R65, CISPR 25 Class 5
E-approval: Yes

171923 LED Beacon — Std pkg 1

Dome: HC-CARGO 171942.

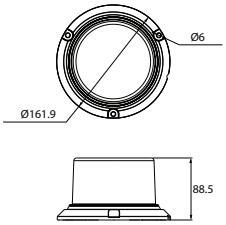


Voltage: 12-24
Amp: 1.2/2.9
Watt: 37

OD: 130 mm
Cable length: 400 mm
Height: 202 mm

Bulb type: 10 LED
Lens type: Polycarbonate
Colour: Blue
Material: Aluminium
Mount.: Standard ISO A - Rod
Flash patterns: 11
Hi impact: Yes
Waterproof: Yes
Tightness norm: IP 65
Approval: SAE/ECE-R65, CISPR 25 Class 5
E-approval: Yes

171931 LED Beacon — Std pkg 1

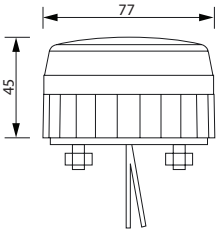


Voltage: 12-36
Amp: 2.9/1.8
Watt: 35/44

OD: 161.9 mm
Cable length: 340 mm
Height: 88.5 mm

Bulb type: 12 LED
Colour: Orange
Mount.: Plan
Flash patterns: 5
Waterproof: Yes
Tightness norm: IP 67
Approval: ECE-R10/ECE-R65
E-approval: Yes

171957 LED Beacon — Std pkg 1



Voltage: 10-100
Amp: 0.1
Watt: 1.2

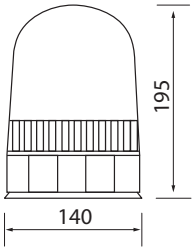
OD: 77 mm
Cable length: 410 mm
Height: 45 mm
Dist. mount. holes: 45 mm

Bulb type: 12 LED
Lens type: Polycarbonate
Colour: Orange
Material: Polycarbonate
Mount.: Plan
Flash patterns: 4
Hi impact: Yes
Tightness norm: IP 67
Approval: ECE R10
E-approval: No

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

172027 LED Beacon — Std pkg 1

Dome: HC-CARGO 170945.



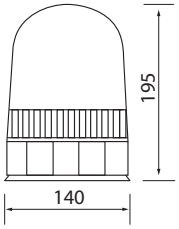
Voltage: 10-30
Amp: 1.5
Watt: 18

OD: 140 mm
Cable length: 200 mm
Height: 195 mm
Dist. mount. holes: 107 mm

Bulb type: 80 LED
Lens type: Polycarbonate
Colour: Orange
Material: Plastic/nylon/rubber
Mount.: Lighter Socket
Base: Magnetic/vacuum
Flash patterns: 3
Hi impact: Yes
Coiled cable incl.: Yes
Tightness norm: IP 65
Approval: ECE-R10/ECE-R65
E-approval: Yes

172028 LED Beacon — Std pkg 1

Dome: HC-CARGO 170945.



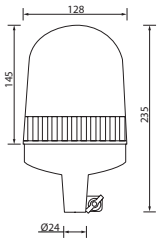
Voltage: 10-30
Amp: 1.5
Watt: 18

OD: 140 mm
Cable length: 95 mm
Height: 195 mm
Dist. mount. holes: 107 mm

Bulb type: 80 LED
Lens type: Polycarbonate
Colour: Orange
Material: Plastic/nylon/rubber
Mount.: Plan
Flash patterns: 3
Hi impact: Yes
Tightness norm: IP 65
Approval: ECE-R10/ECE-R65
E-approval: Yes

172029 LED Beacon — Std pkg 1

Dome: HC-CARGO 170945.



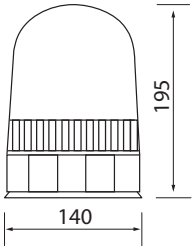
Voltage: 10-30
Amp: 1.5
Watt: 18

OD: 128 mm
Height: 235 mm

Bulb type: 80 LED
Lens type: Polycarbonate
Colour: Orange
Material: Plastic/nylon/rubber
Mount.: Standard ISO A - Rod
Base: Rigid
Flash patterns: 3
Hi impact: Yes
Tightness norm: IP 65
Approval: ECE-R10/ECE-R65
E-approval: Yes

172030 LED Beacon — Std pkg 1

Dome: HC-CARGO 170945. w/ battery. For Rotating pattern: 2 hrs, For Triple Flash pattern: 2.5 ~ 3 hrs, For Single Flash pattern: 7~8 hrs.



Voltage: 12
Amp: 1.5
Watt: 18

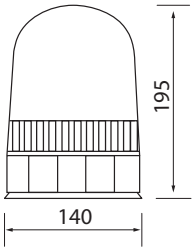
OD: 140 mm
Height: 195 mm
Dist. mount. holes: 107 mm

Bulb type: 80 LED
Lens type: Polycarbonate
Colour: Orange
Material: Plastic/nylon/rubber
Mount.: Plan
Base: Magnetic/vacuum
Flash patterns: 3
Hi impact: Yes
Wall charger 230 V: Yes
Tightness norm: IP 65
Approval: ECE-R10/ECE-R65
E-approval: Yes

172075 LED Beacon UK Version — Std pkg 1

Servicing: UK - Visit our web catalogue for further information

Dome: HC-CARGO 170945. w/ battery.



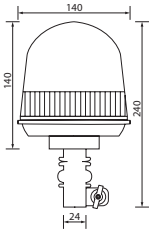
Voltage: 10-30
Amp: 1.5
Watt: 18

OD: 140 mm
Height: 195 mm
Dist. mount. holes: 107 mm

Bulb type: 80 LED
Lens type: Polycarbonate
Colour: Orange
Material: Plastic/nylon/rubber
Mount.: Plan
Base: Magnetic/vacuum
Flash patterns: 3
Hi impact: Yes
Tightness norm: IP 65
Approval: ECE-R10/ECE-R65
E-approval: Yes
Alternativ no.: 172030UK

172099 LED Beacon — Std pkg 1

Dome: HC-CARGO 172110.



Voltage: 10-30
Amp: 0.4-1.4
Watt: 9

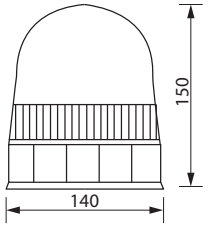
OD: 140 mm
Height: 240 mm

Bulb type: 40 LED
Lens type: Polycarbonate
Colour: Orange
Material: Plastic/nylon/rubber
Mount.: Standard ISO A - Rod
Base: Flexible
Flash patterns: 3
Tightness norm: IP 65
Approval: ECE-R10/ECE-R65
E-approval: Yes

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

172100 LED Beacon — Std pkg 1

Dome: HC-CARGO 172110.



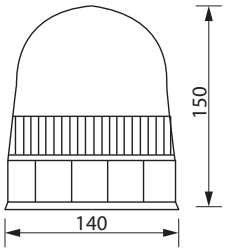
Voltage: 10-30
Amp: 0.4-1.4
Watt: 9

OD: 140 mm
Cable length: 95 mm
Height: 150 mm
Dist. mount. holes: 107 mm

Bulb type: 40 LED
Lens type: Polycarbonate
Colour: Orange
Material: Plastic/nylon/rubber
Mount.: Plan
Flash patterns: 3
Tightness norm: IP 65
Approval: ECE-R10/ECE-R65
E-approval: Yes

172101 LED Beacon — Std pkg 1

Max. 120 kph. Dome: HC-CARGO 172110.



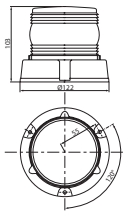
Voltage: 10-30
Amp: 0.4-1.4
Watt: 9

OD: 140 mm
Cable length: 180 mm
Height: 150 mm
Dist. mount. holes: 107 mm

Bulb type: 40 LED
Lens type: Polycarbonate
Colour: Orange
Material: Plastic/nylon/rubber
Mount.: Lighter Socket
Base: Magnetic/vacuum
Flash patterns: 3
Coiled cable incl.: Yes
Tightness norm: IP 65
Approval: ECE-R10/ECE-R65
E-approval: Yes

172114 LED Beacon — Std pkg 1

Dome: HC-CARGO 171590.

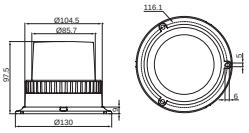


Voltage: 10-100
Amp: 0.3
Watt: 5.5

OD: 122 mm
Height: 103 mm
Temp.: -20 - +55 °C

Bulb type: 9 LED
Lens type: PMMA
Colour: Orange
Mount.: Standard ISO B2 (and B1) - Base
Flash patterns: 1
Tightness norm: IP 54
Approval: ECE R10
E-approval: No

172145 LED Beacon — Std pkg 1



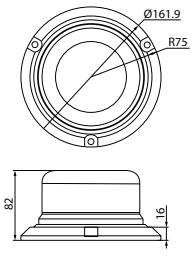
Voltage: 11-110
Amp: 0.4
Watt: 3

OD: 130 mm
Cable length: 450 mm
Height: 97.5 mm

Bulb type: 3 LED
Lens type: Polycarbonate
Colour: Orange
Mount.: Plan
Flash patterns: 5
Hi impact: Yes
Coiled cable incl.: No
Tightness norm: IP 63
Approval: ECE R10
E-approval: No
Alternativ no.: 171674

172183 LED Beacon — Std pkg 1

Turn on and off on yellow wire to change the flashing pattern.



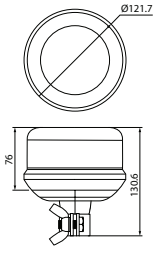
Voltage: 12-36
Watt: 70

OD: 161.9 mm
Cable length: 340 mm
Height: 82 mm
Temp.: -30 - +50 °C

Bulb type: 12 LED
Lens type: Polycarbonate
Colour: Orange
Material: Aluminium
Mount.: Plan
Flash patterns: 5
Hi impact: Yes
Waterproof: Yes
Tightness norm: IP 69K
Approval: ECE-R10/ECE-R65
E-approval: Yes

172184 LED Beacon — Std pkg 1

Turn on and off within 5 seconds to change the flashing pattern.



Voltage: 12-36
Watt: 70

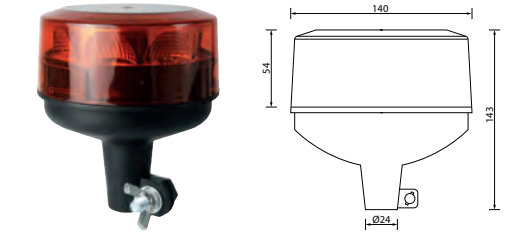
OD: 121.7 mm
Height: 130.6 mm
Temp.: -30 - +50 °C

Bulb type: 12 LED
Lens type: Polycarbonate
Colour: Orange
Material: Aluminium
Mount.: Standard ISO A - Rod
Flash patterns: 2
Hi impact: Yes
Waterproof: Yes
Tightness norm: IP 69K
Approval: ECE-R10/ECE-R65
E-approval: Yes

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

172209 LED Beacon — Std pkg 1

Dome: HC-CARGO 172297.



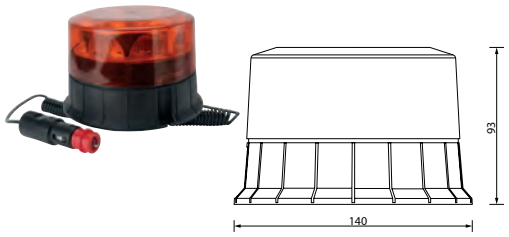
Voltage: 10-30
Amp: 0.9
Watt: 24

OD: 140 mm
Height: 143 mm
Temp.: -30 - +60 °C

Bulb type: 8 LED
Lens type: Polycarbonate
Colour: Orange
Mount.: Standard ISO A - Rod
Base: Flexible
Flash patterns: 3
Tightness norm: IP 65
Approval: ECE-R10/ECE-R65
E-approval: Yes

172210 LED Beacon — Std pkg 1

Dome: HC-CARGO 172297.



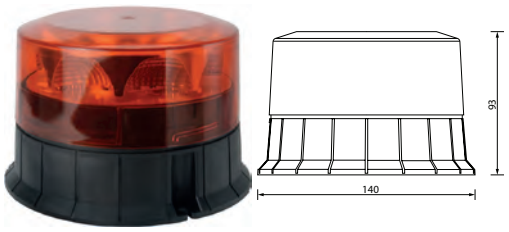
Voltage: 10-30
Amp: 0.9
Watt: 24

OD: 140 mm
Cable length: 200 mm
Height: 93 mm
Temp.: -30 - +60 °C

Bulb type: 8 LED
Lens type: Polycarbonate
Colour: Orange
Mount.: Lighter Socket
Base: Magnetic/vacuum
Flash patterns: 3
Tightness norm: IP 65
Approval: ECE-R10/ECE-R65
E-approval: Yes

172211 LED Beacon — Std pkg 1

Dome: HC-CARGO 172297.



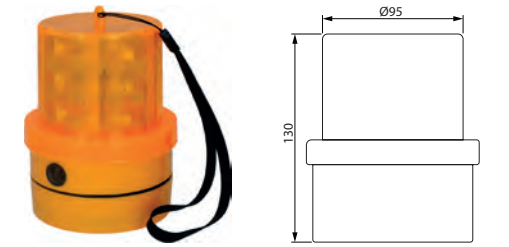
Voltage: 10-30
Amp: 0.9
Watt: 24

OD: 140 mm
Height: 93 mm
Temp.: -30 - +60 °C

Bulb type: 8 LED
Lens type: Polycarbonate
Colour: Orange
Mount.: Plan
Flash patterns: 3
Tightness norm: IP 65
Approval: ECE-R10/ECE-R65
E-approval: Yes

172221 LED Beacon — Std pkg 1

2xD batteries: HC-CARGO 200741. w/ built-in light sensor.

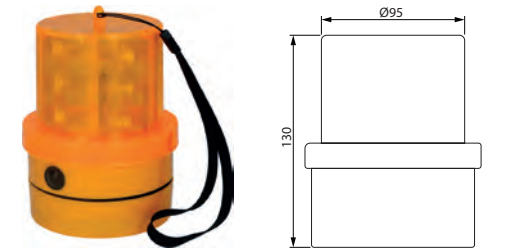


OD: 95 mm
Height: 130 mm

Bulb type: 8 LED
Colour: Orange
Material: PC/ABS
Mount.: Plan
Base: Magnetic
Flash patterns: 1
Waterproof: Yes
Tightness norm: IP 65
E-approval: No

172253 LED Beacon — Std pkg 1

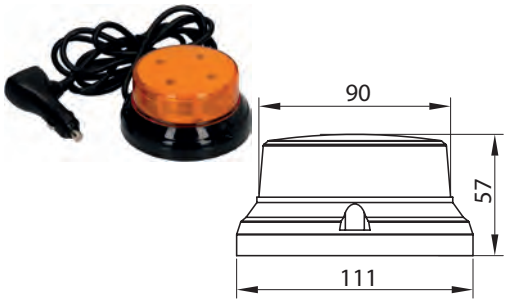
2xD batteries: HC-CARGO 200741.



OD: 95 mm
Height: 130 mm

Bulb type: 8 LED
Colour: Orange
Material: PC/ABS
Mount.: Plan
Base: Magnetic
Flash patterns: 1
Waterproof: Yes
Tightness norm: IP 65
E-approval: No
Alternativ no.: 172221

172271* LED Beacon — Std pkg 1



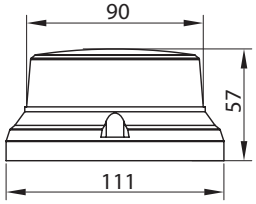
Voltage: 10-30
Amp: 1
Watt: 16

OD: 111 mm
Cable length: 2.500 mm
Height: 57 mm
Width: 90 mm
Temp.: -40 - +65 °C

Bulb type: 32 LED
Lens type: Polycarbonate
Colour: Orange
Mount.: Lighter Socket
Base: Magnetic/vacuum
Flash patterns: 3
Hi impact: Yes
Coiled cable incl.: Yes
Waterproof: Yes
Tightness norm: IP 67/IP 69K
Approval: ECE-R10/ECE-R65
E-approval: Yes

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

172272* LED Beacon — Std pkg 1

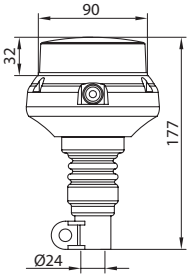


Voltage: 10-30
Amp: 1
Watt: 16

OD: 111 mm
Cable length: 300 mm
Height: 57 mm
Width: 90 mm
Temp.: -40 - +65 °C

Bulb type: 32 LED
Lens type: Polycarbonate
Colour: Orange
Mount.: Plan
Flash patterns: 3
Hi impact: Yes
Waterproof: Yes
Tightness norm: IP 67/IP 69K
Approval: ECE-R10/ECE-R65
E-approval: Yes

172273* LED Beacon — Std pkg 1



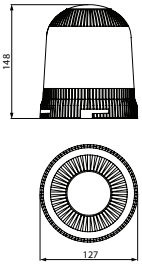
Voltage: 10-30
Amp: 1
Watt: 16

OD: 111 mm
Height: 177 mm
Width: 90 mm
Temp.: -40 - +65 °C

Bulb type: 32 LED
Lens type: Polycarbonate
Colour: Orange
Mount.: Standard ISO A - Rod
Base: Flexible
Flash patterns: 3
Hi impact: Yes
Waterproof: Yes
Tightness norm: IP 67/IP 69K
Approval: ECE-R10/ECE-R65
E-approval: Yes

SPARE PARTS

170945 Dome — Std pkg 1 — **Servicing:** HC-CARGO 170830, 171019, 171577, 171587, 171588, 171793, 172027, 172028, 172029, 172030, 172075



OD: 127 mm
Height: 148 mm

Lens type: PMMA/ACRYL
Colour: Orange
Model: Astral
E-approval: Yes
Alternativ no.: 171463

171941 Dome — Std pkg 1 — **Servicing:** HC-CARGO 171918, 171919, 171920

OD: 130 mm
Height: 94 mm

Lens type: Polycarbonate
Colour: Orange

172297* Dome — Std pkg 1

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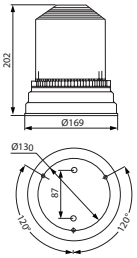
OD: 140 mm
Height: 54 mm

Lens type: Polycarbonate
Colour: Orange

ROTATING BEACONS XENON

170650 Xenon Beacon — Std pkg 1

Beacon Socket: HC-CARGO 170653. Base Plate: HC-CARGO 170528. Xenon Bulb: HC-CARGO 170654.



Bulb incl.: Yes
Voltage: 12
Amp: 1.5

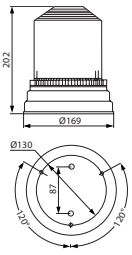
OD: 169 mm
Height: 202 mm

Bulb type: LX10J
Lens type: Polycarbonate
Colour: Orange
Model: XENON FT6 AG ELECTRONIC
Mount.: Standard ISO B2 (and B1) - Base
Hi impact: Yes
Tightness norm: IP 55
E-approval: Yes

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

170651 Xenon Beacon — Std pkg 1

Beacon Socket: HC-CARGO 170653. Base Plate: HC-CARGO 170528. Xenon Bulb: HC-CARGO 170654.



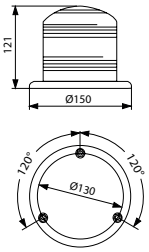
Bulb incl.: Yes
Voltage: 24
Amp: 1.5

OD: 169 mm
Height: 202 mm

Bulb type: LX10J
Lens type: PMMA/ACRYL
Colour: Orange
Model: XENON FT6 AG ELECTRONIC
Mount.: Standard ISO B2 (and B1) - Base
Tightness norm: IP 55
E-approval: Yes

170680 Xenon Beacon — Std pkg 1

Xenon Bulb: HC-CARGO 171376. Base Plate: HC-CARGO 170528.



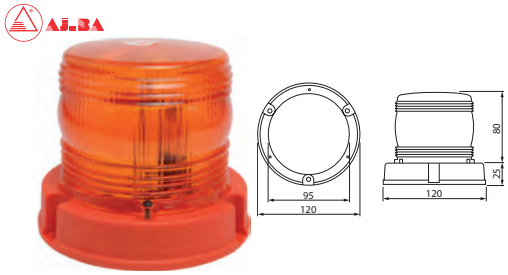
Bulb incl.: Yes
Voltage: 10-100
Amp: 200/50 mAmpere

OD: 150 mm
Height: 121 mm

Bulb type: LX1J
Lens type: Polycarbonate
Colour: Orange
Material: Polycarbonate
Model: FLASH ELEV
Mount.: Standard ISO B2 (and B1) - Base
Base: Rigid
Hi impact: Yes
Tightness norm: IP 54
Approval: CE/EMC
Alternativ no.: 171005

171005 Xenon Beacon — Std pkg 1

w/ Xenon tube. Dome: HC-CARGO 171590. Xenon Bulb: HC-CARGO 170654.



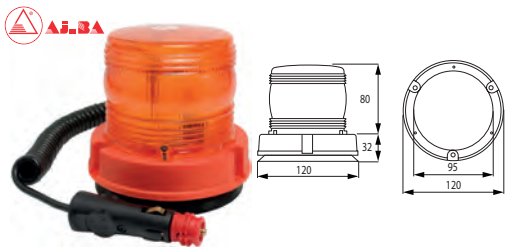
Bulb incl.: Yes
Voltage: 10-100

OD: 120 mm
Height: 105 mm

Bulb type: LX10J
Lens type: PMMA/ACRYL
Colour: Orange
Model: TYPE TRASPOT XENON
Mount.: Standard ISO B2 (and B1) - Base
Approval: CE/EMC
Alternativ no.: 170680

171561 Xenon Beacon — Std pkg 1

w/ Xenon tube. Dome: HC-CARGO 171590.

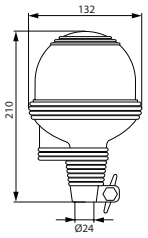


Bulb incl.: Yes
Voltage: 10-100

OD: 120 mm
Height: 112 mm

Lens type: PMMA/ACRYL
Colour: Orange
Model: Type TRASPOT
Mount.: Standard ISO B2 (and B1) - Base
Base: Magnetic
Coiled cable incl.: Yes
Approval: CE/EMC
Alternativ no.: 170680

171614 Xenon Beacon — Std pkg 1

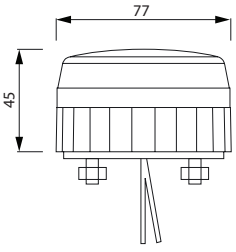


Bulb incl.: Yes
Voltage: 10-30

OD: 132 mm
Height: 210 mm

Bulb type: LX10J
Lens type: Polycarbonate
Colour: Orange
Model: Xenon
Mount.: Standard ISO A - Rod
Hi impact: Yes
E-approval: Yes

171798 Xenon Beacon — Std pkg 1



Voltage: 10-100
Watt: 5

OD: 77 mm
Height: 45 mm
Dist. mount. holes: 45 mm

Bulb type: Xenon
Lens type: Polycarbonate
Flash rate: 75 min.
Colour: Orange
Material: Polycarbonate
Mount.: Plan
Hi impact: Yes
Tightness norm: IP 67
Approval: CE

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

SPARE PARTS

170654 Xenon Bulb — Std pkg 1

Servicing: HC-CARGO 170650, 170651, 171505, 171005

Bulb incl.: Yes
Voltage: 12/24
Watt: 16

Bulb type: LX10J
Model: XENON FT6/FLX ELECTRONIC

171376 Xenon Bulb — Std pkg 1

Servicing: HC-CARGO 170680

OD: 3.57 mm
Length: 44.28 mm

Bulb type: LX1J
Model: FLASH ELEV

171590 Dome — Std pkg 1

Servicing: HC-CARGO 171005, 171561, 172114

OD: 95 mm
Height: 80 mm

Lens type: PMMA/ACRYL
Colour: Orange
Model: TRASPORT XENON
Alternativ no.: 170680

ACCESSORIES

170525 Beacon Socket — Std pkg 1

Servicing: HC-CARGO 170490, 171017

Cable length: 2000 mm
Height: 28 mm
Width: 147 mm

Model: TYPE FT 6
Mount.: 3 magnets
Base: Magnetic
Coiled cable incl.: Yes
Tightness norm: IP 55

170528 Base Plate — Std pkg 1

Servicing: HC-CARGO 170491, 170490, 170650, 170651, 171498, 170680

OD: 150 mm
Height: 58 mm

Model: TYPE FT 6
Mount.: Standard ISO A - Rod

170653 Beacon Socket — Std pkg 1

Servicing: HC-CARGO 170650, 170651, 171466

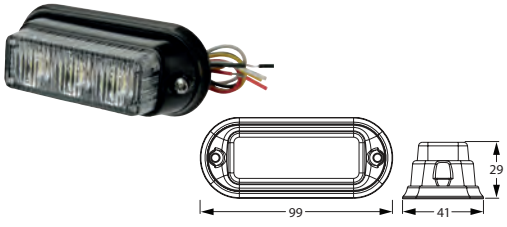
Cable length: 2000 mm
Height: 30 mm
Width: 168 mm

Mount.: 3 magnets
Base: Magnetic
Coiled cable incl.: Yes
Tightness norm: IP 55
E-approval: Yes

FLASH LIGHTS LED

171642 LED Flash, white — Std pkg 1

Multi-module synchronization. Bracket: HC-CARGO 171657. Rubber adapter for flush mount: HC-CARGO 171728.



Voltage: 12/24
Amp: 0.32/0.17
Watt: 6

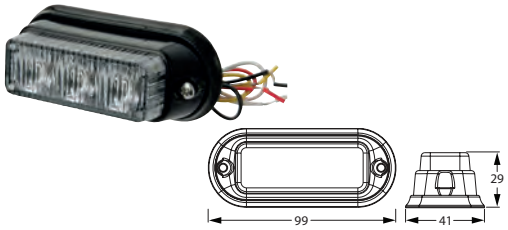
Length: 99 mm
Cable length: 200 mm
Height: 29 mm
Width: 41 mm

Bulb type: 3 LED
Lens type: Polycarbonate
Colour: White
Material: Aluminium
Mount.: Plan
Flash patterns: 12
Waterproof: Yes
Tightness norm: IP 67
Approval: ECE R10

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

171644 LED Flash, blue — Std pkg 1

Multi-module synchronization. Bracket: HC-CARGO 171657. Rubber adapter for flush mount: HC-CARGO 171728.



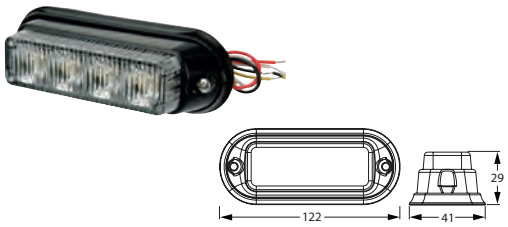
Voltage: 12/24
Amp: 0.32/0.17
Watt: 6

Length: 99 mm
Cable length: 200 mm
Height: 29 mm
Width: 41 mm

Bulb type: 3 LED
Lens type: Polycarbonate
Colour: Blue
Material: Aluminium
Mount.: Plan
Flash patterns: 12
Waterproof: Yes
Tightness norm: IP 67
Approval: CE/EMC

171646 LED Flash, white — Std pkg 1

Multi-module synchronization. Bracket: HC-CARGO 171658. Rubber adapter for flush mount: HC-CARGO 171675.



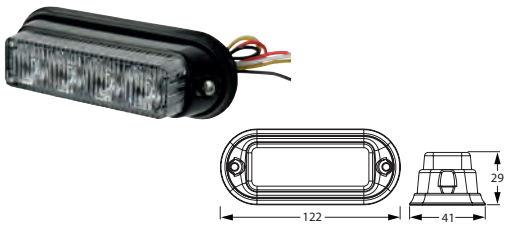
Voltage: 12/24
Amp: 0.64/0.32
Watt: 8

Length: 122 mm
Cable length: 200 mm
Height: 29 mm
Width: 41 mm

Bulb type: 4 LED
Lens type: Polycarbonate
Colour: White
Material: Aluminium
Mount.: Plan
Flash patterns: 19
Waterproof: Yes
Tightness norm: IP 67
Approval: CE/EMC

171648 LED Flash, blue — Std pkg 1

Multi-module synchronization. Bracket: HC-CARGO 171658. Rubber adapter for flush mount: HC-CARGO 171675.



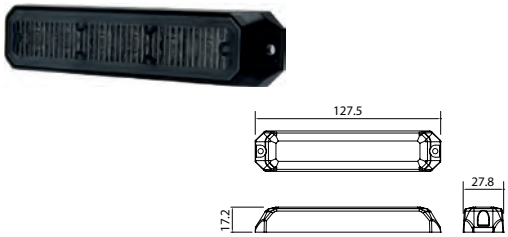
Voltage: 12/24
Amp: 0.64/0.32
Watt: 8

Length: 122 mm
Cable length: 200 mm
Height: 29 mm
Width: 41 mm

Bulb type: 4 LED
Lens type: Polycarbonate
Colour: Blue
Material: Aluminium
Mount.: Plan
Flash patterns: 19
Waterproof: Yes
Tightness norm: IP 67
Approval: CE/EMC

171813 LED Flash, blue — Std pkg 1

Fits w/ rubber adapter for flush mount: HC-CARGO 171817.



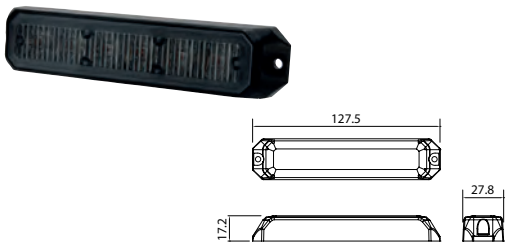
Voltage: 12/24
Amp: 0.39/0.20
Watt: 0.48

Length: 127.5 mm
Cable length: 200 mm
Height: 17.2 mm
Width: 27.8 mm

Bulb type: 6 LED
Lens type: Polycarbonate
Colour: Blue
Material: Aluminium
Mount.: Plan
Flash patterns: 5
Waterproof: Yes
Tightness norm: IP 67
Approval: SAE/ECE-R65
E-approval: Yes

171814 LED Flash, amber — Std pkg 1

Fits w/ rubber adapter for flush mount: HC-CARGO 171817.



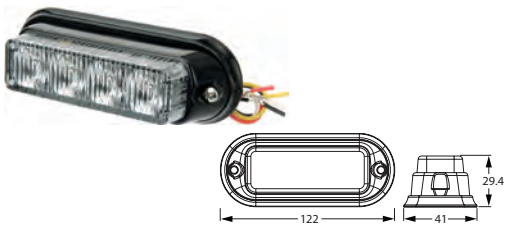
Voltage: 12/24
Amp: 0.39/0.20
Watt: 0.48

Length: 127.5 mm
Cable length: 970 mm
Height: 17.2 mm
Width: 27.8 mm

Bulb type: 6 LED
Lens type: Polycarbonate
Colour: Orange
Material: Aluminium
Mount.: Plan
Flash patterns: 5
Waterproof: Yes
Tightness norm: IP 67
Approval: ECE-R10/ECE-R65
E-approval: Yes

171904 LED Flash, amber — Std pkg 1

Multi-module synchronization. Bracket: HC-CARGO 171658. Rubber adapter for flush mount: HC-CARGO 171675.



Voltage: 12-24
Amp: 0.32/0.17
Watt: 4.1

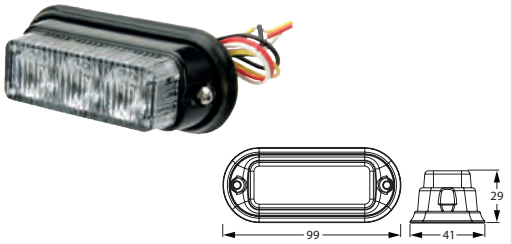
Length: 122 mm
Cable length: 200 mm
Height: 29.4 mm
Width: 41 mm

Bulb type: 4 LED
Lens type: Polycarbonate
Colour: Orange
Material: Aluminium
Mount.: Plan
Flash patterns: 23
Waterproof: Yes
Tightness norm: IP 67
Approval: ECE-R10/ECE-R65
E-approval: Yes

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

171905 LED Flash, amber — Std pkg 1

Multi-module synchronization. Bracket: HC-CARGO 171657. Rubber adapter for flush mount: HC-CARGO 171728.



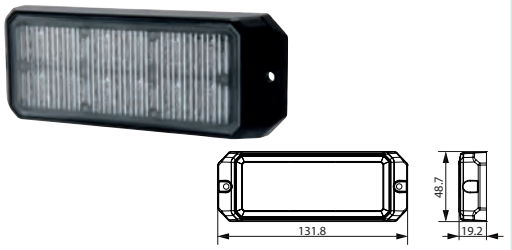
Voltage: 12-24
Amp: 0.32/0.16
Watt: 4.1

Length: 99 mm
Cable length: 200 mm
Height: 29 mm
Width: 41 mm

Bulb type: 3 LED
Lens type: Polycarbonate
Colour: Orange
Material: Aluminium
Mount.: Plan
Flash patterns: 12
Waterproof: Yes
Tightness norm: IP 67
Approval: ECE-R10/ECE-R65
E-approval: Yes

171906 LED Flash, amber — Std pkg 1

Multi-module synchronization. Bracket: HC-CARGO 171908. Rubber adapter for flush mount: HC-CARGO 171907.



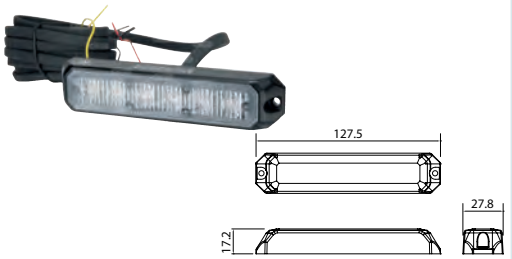
Voltage: 12-24
Amp: 0.75/0.38
Watt: 9

Length: 131.8 mm
Cable length: 200 mm
Height: 48.7 mm
Width: 19.2 mm

Bulb type: 12 LED
Lens type: Polycarbonate
Colour: Orange
Material: Aluminium
Mount.: Plan
Flash patterns: 25
Waterproof: Yes
Tightness norm: IP 67
Approval: ECE-R10/ECE-R65
E-approval: Yes

171926 LED Flash, amber — Std pkg 1

Fits w/ rubber adapter for flush mount: HC-CARGO 171817.

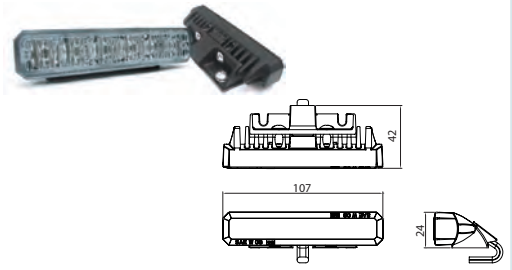


Voltage: 12-24
Amp: 0.39/0.20
Watt: 9.6

Length: 127.5 mm
Cable length: 3000 mm
Height: 17.2 mm
Width: 27.8 mm

Bulb type: 6 LED
Lens type: Polycarbonate
Colour: Orange
Material: Aluminium
Mount.: 3 m ADR Cable
Flash patterns: 5
Waterproof: Yes
Tightness norm: IP 67
Approval: ECE-R10/ECE-R65
E-approval: Yes

171933 LED Flash, amber — Std pkg 1

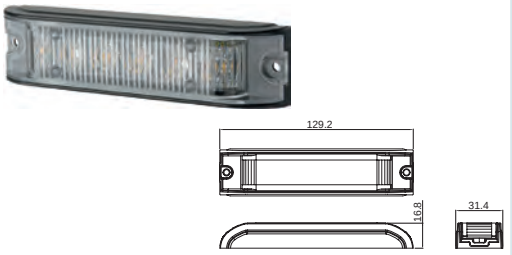


Voltage: 12-24
Amp: 0.55/0.26
Watt: 9.6

Length: 107 mm
Cable length: 970 mm
Height: 24 mm
Width: 42 mm

Bulb type: 6 LED
Lens type: Polycarbonate
Colour: Orange
Material: Aluminium
Mount.: Screw
Flash patterns: 19
Waterproof: Yes
Tightness norm: IP 67
Approval: ECE-R10/ECE-R65
E-approval: Yes
Alternativ no.: 171814

172011 LED Flash, amber — Std pkg 1

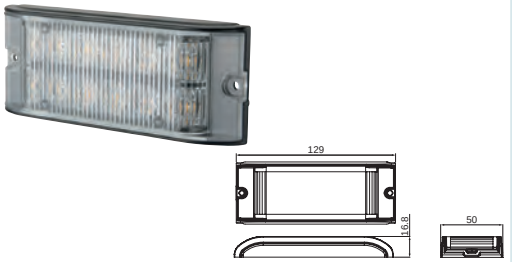


Voltage: 12/24
Amp: 0.5/0.25
Watt: 6

Length: 129.2 mm
Cable length: 250 mm
Height: 31.4 mm
Width: 16.8 mm

Bulb type: 6 LED
Lens type: Polycarbonate
Colour: Orange
Material: Aluminium
Mount.: Plan
Flash patterns: 15
Waterproof: Yes
Tightness norm: IP 67
Approval: ECE-R10/ECE-R65
E-approval: Yes

172012 LED Flash, amber — Std pkg 1



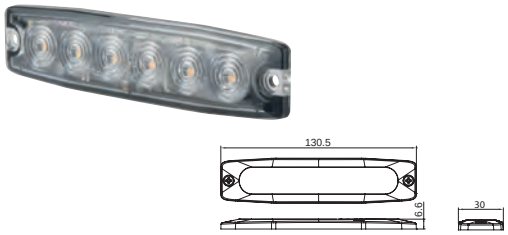
Voltage: 12/24
Amp: 0.88/0.44
Watt: 10.5

Length: 129 mm
Cable length: 250 mm
Height: 16.8 mm
Width: 50 mm

Bulb type: 12 LED
Lens type: Polycarbonate
Colour: Orange
Material: Aluminium
Mount.: Plan
Flash patterns: 15
Waterproof: Yes
Tightness norm: IP 67
Approval: ECE-R10/ECE-R65
E-approval: Yes

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

172013 LED Flash, amber — Std pkg 1



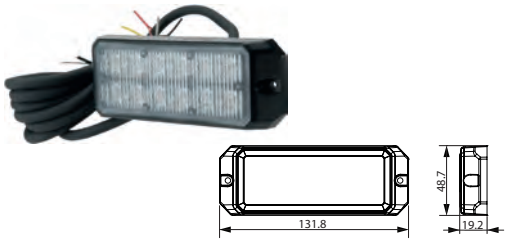
Voltage: 12/24
Amp: 0.25/0.125
Watt: 3

Length: 130.5 mm
Cable length: 200 mm
Height: 6.6 mm
Width: 30 mm

Bulb type: 6 LED
Lens type: Polycarbonate
Colour: Orange
Material: Aluminium
Mount.: Plan
Flash patterns: 23
Waterproof: Yes
Tightness norm: IP 67
Approval: ECE R10
E-approval: Yes
Alternativ no.: 172296

172076 LED Flash, amber — Std pkg 1

Multi-module synchronization. Bracket: HC-CARGO 171908. Rubber adapter for flush mount: HC-CARGO 171907.



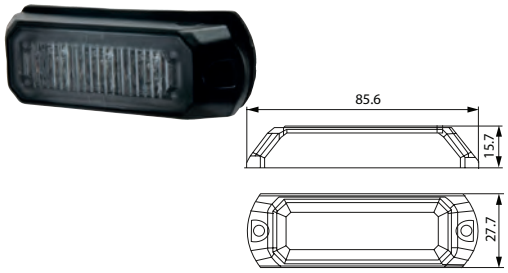
Voltage: 12-24
Amp: 0.75/0.38
Watt: 9

Length: 131.8 mm
Cable length: 2000 mm
Height: 48.7 mm
Width: 19.2 mm

Bulb type: 12 LED
Lens type: Polycarbonate
Colour: Orange
Material: Aluminium
Mount.: Plan
Flash patterns: 25
Waterproof: Yes
Tightness norm: IP 67
Approval: ECE-R10/ECE-R65
E-approval: Yes

172087 LED Flash, amber — Std pkg 1

Rubber Adapter for Flush Mount: HC-CARGO 171816.



Voltage: 12-24
Amp: 1

Length: 85.6 mm
Cable length: 970 mm
Height: 15.7 mm
Width: 27.7 mm

Bulb type: 3 LED
Lens type: Polycarbonate
Colour: Orange
Material: Aluminium
Mount.: Plan
Flash patterns: 5
Waterproof: Yes
Tightness norm: IP 67
Approval: ECE-R10/ECE-R65
E-approval: Yes
Alternativ no.: 171815

172089 LED Safety Flash — Std pkg 1

w/ hook. Battery: 3x HC-CARGO 200738.

Voltage: 12-24
Amp: 0.39/0.20
Watt: 9

OD: 105 mm
Height: 35 mm

Bulb type: 12 LED
Colour: Orange
Mount.: 1 magnet
Flash patterns: 9
Tightness norm: IP 67
Approval: ECE R10

172090 LED Safety Flash — Std pkg 1

Rechargeable.

Voltage: 12/24
Amp: 1.5

OD: 120 mm
Height: 35 mm
Temp.: -40 - +60 °C

Bulb type: 16 LED
Colour: Orange
Mount.: 1 magnet
Flash patterns: 9
Wall charger 230 V: Yes
Charger 12 V: Yes
Tightness norm: IP 67
Approval: CE/EMC

172091 LED Safety Flash (EU plug) — Std pkg 1

Rechargeable. Suitcase w/ 6 pcs.

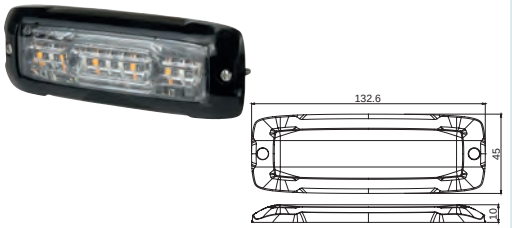
Voltage: 12/24
Amp: 1.5

OD: 120 mm
Height: 35 mm
Temp.: -40 - +60 °C

Bulb type: 16 LED
Colour: Orange
Mount.: 1 magnet
Flash patterns: 9
Wall charger 230 V: Yes
Charger 12 V: Yes
Tightness norm: IP 67
Approval: CE/EMC

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

172108 LED Flash, blue/orange — Std pkg 1



Voltage: 12-24
Amp: 0.88/0.44
Watt: 10.5

Length: 132.6 mm
Cable length: 250 mm
Height: 45 mm
Width: 10 mm

Bulb type: 12 LED
Lens type: Polycarbonate
Colour: Blue/Orange
Material: Aluminium
Mount.: Plan
Flash patterns: 16
Waterproof: Yes
Tightness norm: IP 67
Approval: ECE-R10/ECE-R65
E-approval: Yes

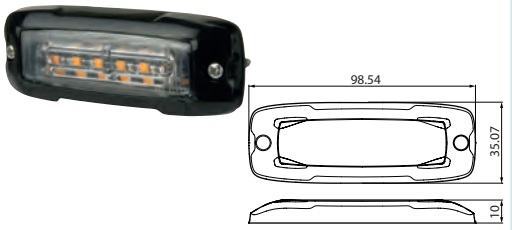
172109 LED Flash, amber — Std pkg 1

Voltage: 12-24
Amp: 0.88/0.44
Watt: 10.5

Length: 132.6 mm
Cable length: 250 mm
Height: 45 mm
Width: 10 mm

Bulb type: 12 LED
Lens type: Polycarbonate
Colour: Orange
Material: Aluminium
Mount.: Plan
Flash patterns: 16
Waterproof: Yes
Tightness norm: IP 67
Approval: ECE-R10/ECE-R65
E-approval: Yes

172112 LED Flash, amber — Std pkg 1

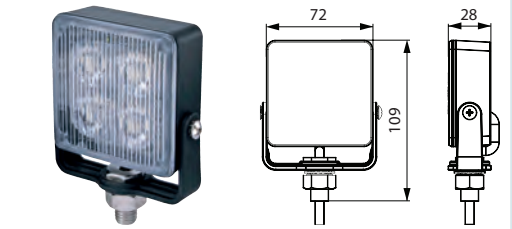


Voltage: 12-24
Amp: 0.88/0.44
Watt: 10.5

Length: 98.54 mm
Cable length: 250 mm
Height: 35.07 mm
Width: 10 mm

Bulb type: 6 LED
Lens type: Polycarbonate
Colour: Orange
Material: Aluminium
Mount.: Plan
Flash patterns: 16
Waterproof: Yes
Tightness norm: IP 68
Approval: ECE-R10/ECE-R65
E-approval: Yes

172113 LED Flash, amber — Std pkg 1



Voltage: 12/24
Amp: 0.27-0.13
Watt: 3.5

Length: 109 mm
Cable length: 1200 mm
Height: 28 mm
Width: 72 mm

Bulb type: LED
Lens type: Polycarbonate
Colour: Orange
Material: Aluminium
Mount.: Single bolt
Flash patterns: 19
Coiled cable incl.: No
Waterproof: Yes
Tightness norm: IP 67
Approval: ECE-R10/ECE-R65

172118 LED Safety Flash UK — Std pkg 1

UK version. Rechargeable. Suitcase w/ 6 pcs.

Voltage: 12/24
Amp: 1.5

OD: 120 mm
Height: 35 mm
Temp.: -40 - +60 °C

Bulb type: 16 LED
Colour: Orange
Mount.: 1 magnet
Flash patterns: 9
Wall charger 230 V: Yes
Charger 12 V: Yes
Tightness norm: IP 67
Approval: CE/EMC

172121 LED Safety Flash UK — Std pkg 1

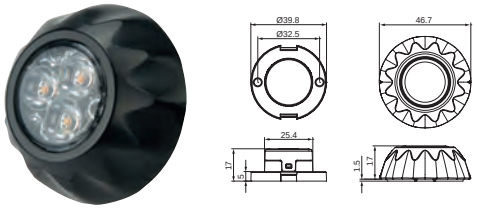
UK version. Rechargeable.

Voltage: 12/24
Amp: 1.5

OD: 120 mm
Height: 35 mm
Temp.: -40 - +60 °C

Bulb type: 16 LED
Colour: Orange
Mount.: 1 magnet
Flash patterns: 9
Wall charger 230 V: Yes
Charger 12 V: Yes
Tightness norm: IP 67
Approval: CE/EMC

172122 LED Flash, amber — Std pkg 1



Voltage: 12/24
Amp: 0.24/0.12
Watt: 2.82

OD: 46.7 mm
Cable length: 200 mm
Height: 17 mm
Dist. mount. holes: 32.5 mm

Bulb type: 3 LED
Colour: Orange
Mount.: Plan
Flash patterns: 12
Tightness norm: IP 67
Approval: ECE R10

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

172123 LED Flash, blue — Std pkg 1

Mounting Bracket: HC-CARGO 172125.

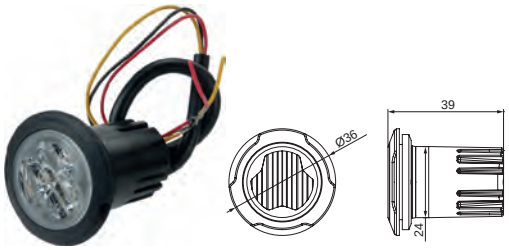
Voltage: 12/24
Amp: 0.24/0.12
Watt: 2.85

Cable length: 200 mm
Height: 39 mm
Width: 36 mm

Bulb type: 3 LED
Colour: Blue
Mount.: Built-in
Flash patterns: 16
Tightness norm: IP 67
Approval: SAE/ECE-R65
E-approval: Yes

172124 LED Flash, amber — Std pkg 1

Mounting Bracket: HC-CARGO 172125.



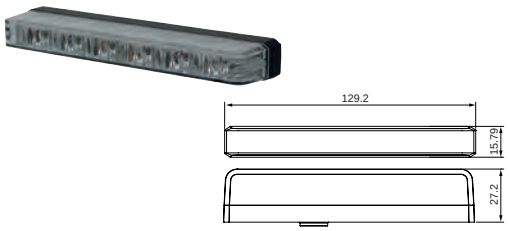
Voltage: 12/24
Amp: 0.24/0.12
Watt: 2.85

OD: 36 mm
Cable length: 200 mm
Height: 39 mm

Bulb type: 3 LED
Colour: Orange
Mount.: Built-in
Flash patterns: 16
Tightness norm: IP 67
Approval: ECE-R10/ECE-R65
E-approval: Yes

172137 LED Flash, amber — Std pkg 1

Multi-module synchronization.



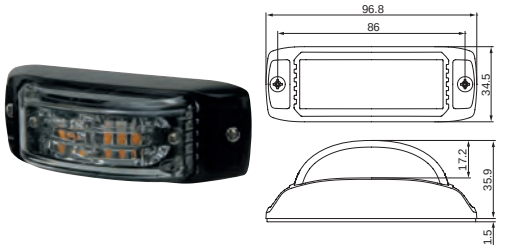
Voltage: 12-24
Amp: 1.14/0.57
Watt: 13

Length: 129.2 mm
Cable length: 250 mm
Height: 15.79 mm
Width: 27.2 mm

Bulb type: 6 LED
Colour: Orange
Material: Aluminium
Mount.: Screw
Flash patterns: 23
Tightness norm: IP 67
Approval: ECE-R10/ECE-R65
E-approval: Yes

172139 LED Flash, amber — Std pkg 1

Multi-module synchronization.



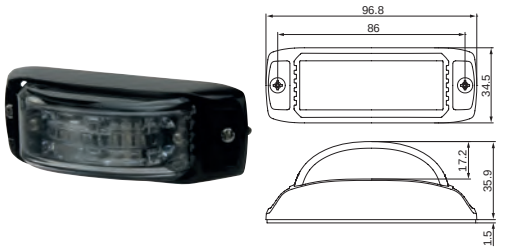
Voltage: 12-24
Amp: 1.14/0.57
Watt: 13

Length: 96.8 mm
Cable length: 200 mm
Height: 34.5 mm
Width: 35.9 mm

Bulb type: 6 LED
Colour: Orange
Material: Aluminium
Mount.: Plan
Flash patterns: 16
Tightness norm: IP 67
Approval: ECE-R10/ECE-R65
E-approval: Yes

172140 LED Flash, blue — Std pkg 1

Multi-module synchronization.



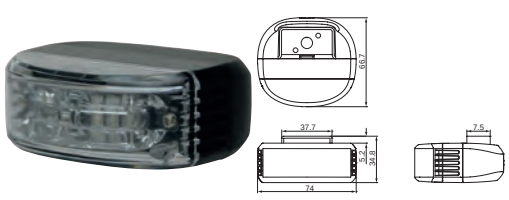
Voltage: 12-24
Amp: 1.14/0.57
Watt: 13

Length: 96.8 mm
Cable length: 200 mm
Height: 34.5 mm
Width: 35.9 mm

Bulb type: 6 LED
Colour: Blue
Material: Aluminium
Mount.: Plan
Flash patterns: 16
Tightness norm: IP 67
Approval: SAE/ECE
E-approval: Yes

172141 LED Flash, blue — Std pkg 1

Multi-module synchronization.



Voltage: 12-24
Amp: 1.14/0.57
Watt: 13

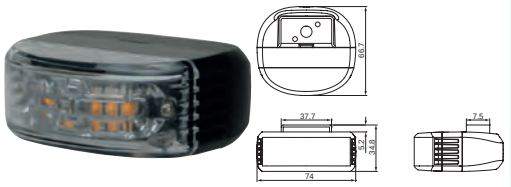
Length: 66.7 mm
Cable length: 200 mm
Height: 34.8 mm
Width: 7.5 mm

Bulb type: 6 LED
Colour: Blue
Material: Aluminium
Mount.: Plan
Flash patterns: 16
Tightness norm: IP 67
Approval: SAE/ECE
E-approval: Yes

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

172142 LED Flash, amber — Std pkg 1

Multi-module synchronization.

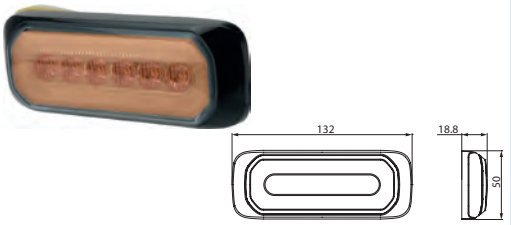


Voltage: 12-24
Amp: 1.14/0.57
Watt: 13

Length: 66.7 mm
Cable length: 200 mm
Height: 34.8 mm
Width: 7.5 mm

Bulb type: 6 LED
Colour: Orange
Material: Aluminium
Mount.: Plan
Flash patterns: 16
Tightness norm: IP 67
Approval: ECE-R10/ECE-R65
E-approval: Yes

172203 LED Halo Flash, amber — Std pkg 1

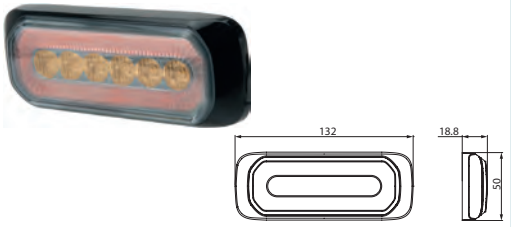


Voltage: 12/24
Amp: 1.35/0.75
Watt: 18

Length: 132 mm
Cable length: 250 mm
Height: 18.8 mm
Width: 50 mm

Bulb type: 24 LED
Colour: Amber/Amber
Mount.: Plan
Flash patterns: 14
Tightness norm: IP 68
Approval: ECE-R65
E-approval: Yes

172204 LED Halo Flash, amber/red — Std pkg 1

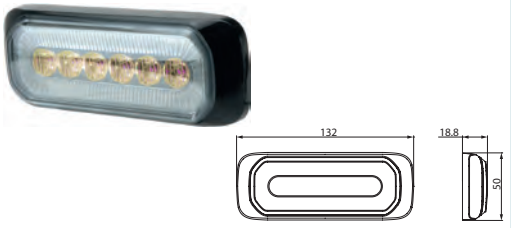


Voltage: 12/24
Amp: 1.35/0.75
Watt: 18

Length: 132 mm
Cable length: 250 mm
Height: 18.8 mm
Width: 50 mm

Bulb type: 24 LED
Colour: Amber/Red
Mount.: Plan
Flash patterns: 14
Tightness norm: IP 68
Approval: ECE-R65
E-approval: Yes

172205 LED Halo Flash, amber/white — Std pkg 1

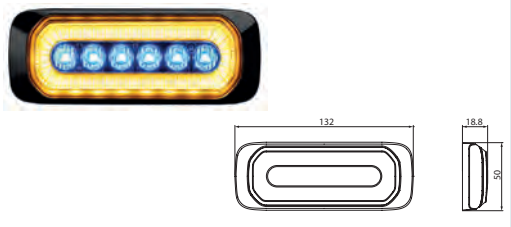


Voltage: 12/24
Amp: 1.35/0.75
Watt: 18

Length: 132 mm
Cable length: 250 mm
Height: 18.8 mm
Width: 50 mm

Bulb type: 24 LED
Colour: Orange/white
Mount.: Plan
Flash patterns: 14
Tightness norm: IP 68
Approval: ECE-R65
E-approval: Yes

172223 LED Halo Flash — Std pkg 1

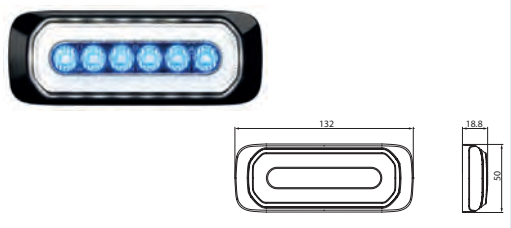


Voltage: 12/24
Amp: 1.35/0.75
Watt: 18

Length: 132 mm
Cable length: 250 mm
Height: 18.8 mm
Width: 50 mm

Bulb type: 24 LED
Colour: Blue/Orange
Mount.: Plan
Flash patterns: 14
Tightness norm: IP 68
Approval: ECE-R65
E-approval: Yes

172224 LED Halo Flash — Std pkg 1

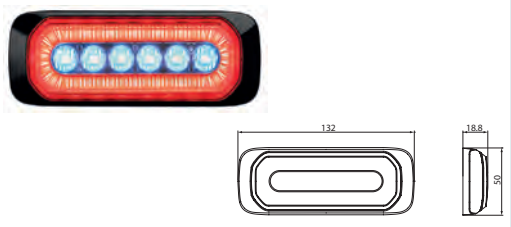


Voltage: 12/24
Amp: 1.35/0.75
Watt: 18

Length: 132 mm
Cable length: 250 mm
Height: 18.8 mm
Width: 50 mm

Bulb type: 24 LED
Colour: Blue/white
Mount.: Plan
Flash patterns: 14
Tightness norm: IP 68
Approval: ECE-R65
E-approval: Yes

172225 LED Halo Flash — Std pkg 1



Voltage: 12/24
Amp: 1.35/0.75
Watt: 18

Length: 132 mm
Cable length: 250 mm
Height: 18.8 mm
Width: 50 mm

Bulb type: 24 LED
Colour: Blue/red
Mount.: Plan
Flash patterns: 14
Tightness norm: IP 68
Approval: ECE-R65
E-approval: Yes

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
172289* LED Flash, amber Std pkg 1			
NEW PRODUCT www.hc-cargo.com	**Voltage:** 12/24 **Amp:** 0.27-0.13 **Watt:** 6.5	**Length:** 88 mm **Cable length:** 5000 mm **Height:** 6.6 mm **Dist. mount. holes:** 77.3 mm **Width:** 30 mm	**Bulb type:** 3 LED **Lens type:** Polycarbonate **Colour:** Orange **Material:** Aluminium **Mount.:** Plan **Flash patterns:** 12 **Tightness norm:** IP 67 **Approval:** SAE/CE
172290* LED Flash, amber Std pkg 1			
NEW PRODUCT www.hc-cargo.com	**Voltage:** 12/24 **Amp:** 0.25/0.125 **Watt:** 3	**Length:** 130.5 mm **Cable length:** 5000 mm **Height:** 6.6 mm **Width:** 30 mm	**Bulb type:** 6 LED **Lens type:** Polycarbonate **Colour:** Orange **Material:** Aluminium **Mount.:** Plan **Flash patterns:** 23 **Tightness norm:** IP 67 **Approval:** ECE R10
172296* LED Flash, amber Std pkg 1			
NEW PRODUCT www.hc-cargo.com	**Voltage:** 12/24 **Amp:** 0.25/0.125 **Watt:** 3	**Length:** 130.5 mm **Cable length:** 5000 mm **Height:** 6.6 mm **Width:** 30 mm	**Bulb type:** 6 LED **Lens type:** Polycarbonate **Colour:** Orange **Material:** Aluminium **Flash patterns:** 23 **Waterproof:** Yes **Tightness norm:** IP 67 **Approval:** SAE/CE **E-approval:** Yes **Alternativ no.:** 172013

ACCESSORIES

171657 Mounting Bracket Std pkg 1 **Servicing:** HC-CARGO 171642, 171644, 171905

Angled. For single head.

Length: 100 mm
Thickness: 24 mm
Width: 55 mm

171658 Mounting Bracket Std pkg 1 **Servicing:** HC-CARGO 171646, 171648, 171904

Angled. For single head.

Length: 123 mm
Thickness: 55 mm
Width: 24 mm

171663 Mounting Bracket Std pkg 1 **Servicing:** HC-CARGO 171661

Angled 100°.

Length: 153 mm
Thickness: 55 mm
Width: 25 mm

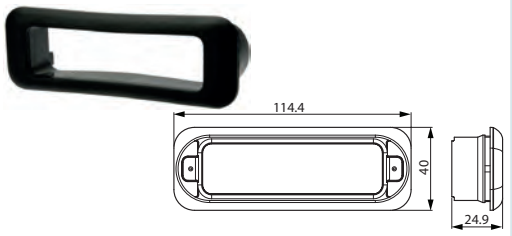
171664 Mounting Bracket Std pkg 1 **Servicing:** HC-CARGO 171662

Adjustable.

Length: 156 mm
Thickness: 42 mm
Width: 30 mm

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

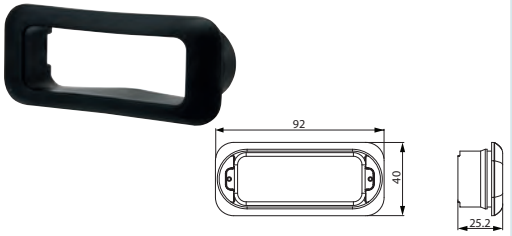
171675 Rubber Adapter for Flush Mount Std pkg 1 **Servicing:** HC-CARGO 171646, 171648, 171904



Length: 114.4 mm
Height: 24.9 mm
Width: 40 mm

Colour: Black
Material: Rubber

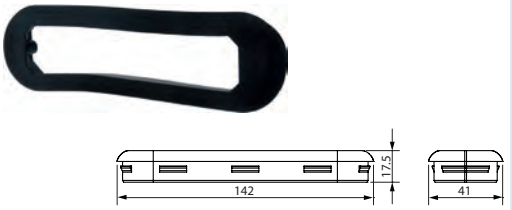
171728 Rubber Adapter for Flush Mount Std pkg 1 **Servicing:** HC-CARGO 171641, 171642, 171644, 171905



Length: 92 mm
Height: 25.2 mm
Width: 40 mm

Colour: Black
Material: Rubber

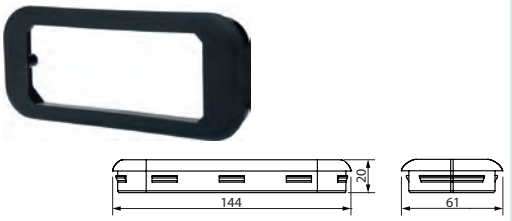
171817 Rubber Adapter for Flush Mount Std pkg 1 **Servicing:** HC-CARGO 171813, 171814, 171926



Length: 142 mm
Height: 17.5 mm
Width: 41 mm

Colour: Black
Material: Rubber

171907 Rubber Adapter for Flush Mount Std pkg 1 **Servicing:** HC-CARGO 171906, 172076



Length: 144 mm
Height: 20 mm
Width: 61 mm

Colour: Black
Material: Rubber

171908 Mounting Bracket Std pkg 1 **Servicing:** HC-CARGO 171906, 172076

Angled. For single head.

Height: 55 mm
Width: 135 mm

172125 Mounting Bracket Std pkg 1 **Servicing:** HC-CARGO 172123, 172124

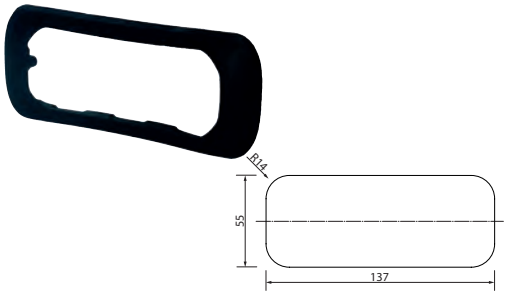
172219 Adapter for Flush Mount Std pkg 1 **Servicing:** HC-CARGO 172203, 172204, 172205, 172223, 172224, 172225

Dist. mount. holes:
120 mm

Colour: Chrome
Material: ABS plastic

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

172220 Rubber Adapter for Flush Mount Std pkg 1 **Servicing:** HC-CARGO 172203, 172204, 172205, 172223, 172224, 172225



Length: 137 mm
Height: 55 mm
Dist. mount. holes: 120 mm

Colour: Black
Material: Rubber

172222 Adapter for Flush Mount Std pkg 1 **Servicing:** HC-CARGO 172203, 172204, 172205, 172223, 172224, 172225

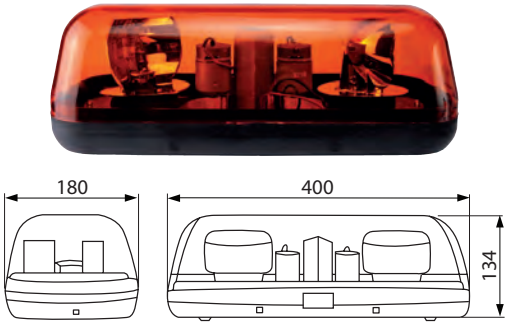
Dist. mount. holes: 120 mm

Colour: White
Material: ABS plastic

LIGHT BARS CONVENTIONAL

171681 Mini Light Bar Std pkg 1

Belt for Mini Light Bar: HC-CARGO 171820.



Bulb incl.: Yes
Voltage: 12/24

Length: 400 mm
Height: 134 mm
Width: 180 mm

Bulb type: H1 12 V
Lens type: Polycarbonate
Colour: Orange
Material: ABS plastic
Mount.: Plan
Base: Rigid
Hi impact: Yes
Coiled cable incl.: No
Waterproof: Yes
Tightness norm: IP 56
Approval: CE
E-approval: Yes

SPARE PARTS

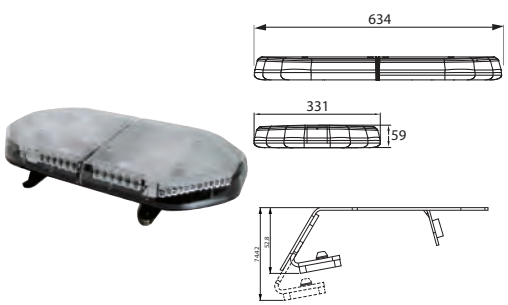
171820 Belt for Mini Light Bar Std pkg 1 **Servicing:** HC-CARGO 171681

Colour: Black

LIGHT BARS LED

171849 LED Light bar Std pkg 1

Spare Parts: HC-CARGO 171856, 171858. Accessories: HC-CARGO 171781, 171762. Recommended fuse 15 A.



Voltage: 12
Amp: 5.2

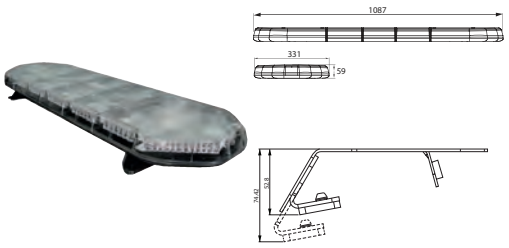
Length: 634 mm
Cable length: 3600 mm
Height: 59 mm
Width: 331 mm

Lens type: Polycarbonate
Colour: Orange
Material: Aluminium
Model: 65 cm/24"
Mount.: Plan
Base: Flexible
Flash patterns: 6
Hi impact: Yes
Waterproof: Yes
Tightness norm: IP 66
Approval: SAE/ECE-R65
E-approval: Yes

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

171850 LED Light bar — Std pkg 1

Spare Parts: HC-CARGO 171856, 171858. Accessories: HC-CARGO 171781, 171762. Recommended fuse 20 A.



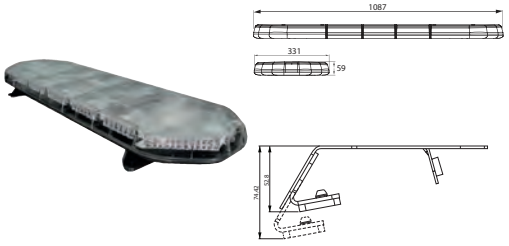
Voltage: 12
Amp: 15

Length: 1087 mm
Cable length: 5500 mm
Height: 59 mm
Width: 331 mm

Lens type: Polycarbonate
Colour: Orange
Material: Aluminium
Model: 110 cm/43"
Mount.: Plan
Base: Flexible
Flash patterns: 21
Hi impact: Yes
Waterproof: Yes
Tightness norm: IP 66
Approval: SAE/ECE-R65
E-approval: Yes
Alternativ no.: 172195

171851 LED Light bar — Std pkg 1

Spare Parts: HC-CARGO 171857, 171859. Accessories: HC-CARGO 171865, 171762. Recommended fuse 15 A.



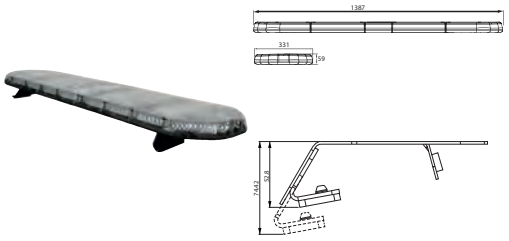
Voltage: 24
Amp: 15

Length: 1087 mm
Cable length: 5500 mm
Height: 59 mm
Width: 331 mm

Lens type: Polycarbonate
Colour: Orange
Material: Aluminium
Model: 110 cm/43"
Mount.: Plan
Base: Flexible
Flash patterns: 21
Hi impact: Yes
Waterproof: Yes
Tightness norm: IP 66
Approval: SAE/ECE-R65
E-approval: Yes
Alternativ no.: 172195

171852 LED Light bar — Std pkg 1 — **Servicing:** HC-CARGO 172200

Spare Parts: HC-CARGO 171856, 171858. Accessories: HC-CARGO 171781, 171762. Recommended fuse 25 A.



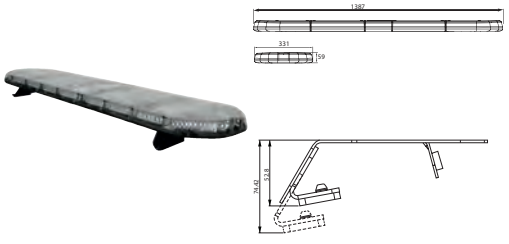
Voltage: 12
Amp: 17

Length: 1387 mm
Cable length: 5500 mm
Height: 59 mm
Width: 331 mm

Lens type: Polycarbonate
Colour: Orange
Material: Aluminium
Model: 140 cm/54"
Mount.: Plan
Base: Flexible
Flash patterns: 21
Hi impact: Yes
Waterproof: Yes
Tightness norm: IP 66
Approval: SAE/ECE-R65
E-approval: Yes
Alternativ no.: 172196

171853 LED Light bar — Std pkg 1

Spare Parts: HC-CARGO 171857, 171859. Accessories: HC-CARGO 171865, 171762. Recommended fuse 15 A.



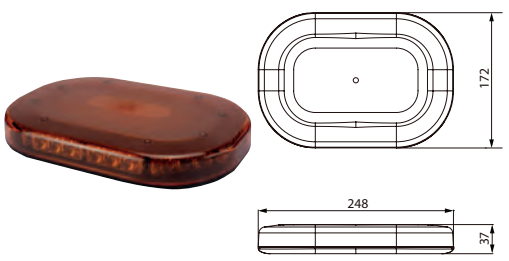
Voltage: 24
Amp: 17

Length: 1387 mm
Cable length: 5500 mm
Height: 59 mm
Width: 331 mm

Lens type: Polycarbonate
Colour: Orange
Material: Aluminium
Model: 140 cm/54"
Mount.: Plan
Base: Flexible
Flash patterns: 21
Hi impact: Yes
Waterproof: Yes
Tightness norm: IP 66
Approval: SAE/ECE-R65
E-approval: Yes
Alternativ no.: 172196

171854 LED Micro Light Bar — Std pkg 1

Bracket for permanent mounting: HC-CARGO 171855. Change flash pattern on cigarplug. Can also be connected permanently.



Voltage: 12/24
Amp: 4.2/1.05

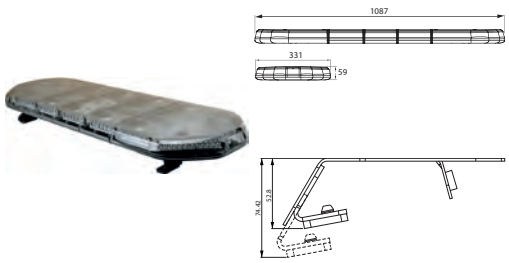
Length: 248 mm
Cable length: 3000 mm
Height: 37 mm
Width: 172 mm

Bulb type: 30x1 W LED
Lens type: Polycarbonate
Colour: Orange
Mount.: Plan
Base: Magnetic
Flash patterns: 23
Hi impact: Yes
Waterproof: Yes
Tightness norm: IP 64K
Approval: SAE/ECE-R65
E-approval: Yes

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

171909 LED Light bar — Std pkg 1

Spare Parts: HC-CARGO 171915, 171916. Accessories: HC-CARGO 171781, 171762. Recommended fuse 25 A.



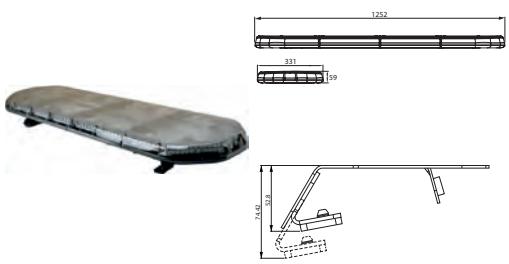
Voltage: 12
Amp: 16.4

Length: 1087 mm
Cable length: 5500 mm
Height: 59 mm
Width: 331 mm

Lens type: Polycarbonate
Colour: Blue
Material: Aluminium
Model: 110 cm/43"
Mount.: Plan
Base: Flexible
Flash patterns: 21
Hi impact: Yes
Waterproof: Yes
Tightness norm: IP 66
Approval: SAE/ECE-R65
E-approval: Yes

171913 LED Light bar — Std pkg 1

Spare Parts: HC-CARGO 171857, 171859. Accessories: HC-CARGO 171865, 171762. Recommended fuse 15 A.



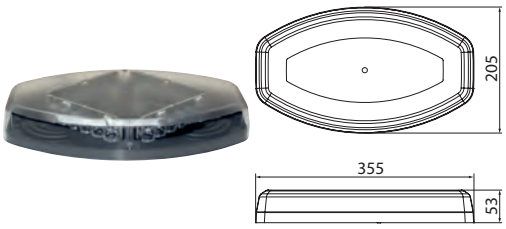
Voltage: 24
Amp: 16

Length: 1252 mm
Cable length: 5500 mm
Height: 59 mm
Width: 331 mm

Lens type: Polycarbonate
Colour: Orange
Material: Aluminium
Model: 124.5 cm/49"
Mount.: Plan
Base: Flexible
Flash patterns: 21
Hi impact: Yes
Waterproof: Yes
Tightness norm: IP 66
Approval: SAE/ECE-R65
E-approval: Yes
Alternativ no.: 172198

172094 LED Mini Light Bar — Std pkg 1

Switch Panel: HC-CARGO 171762.



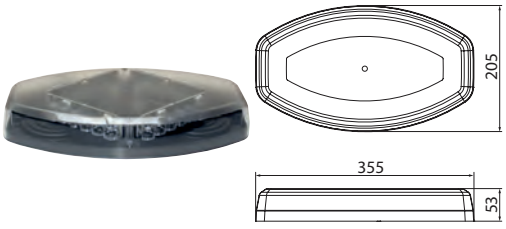
Voltage: 12/24
Amp: 2.88/1.44
Watt: 34.5

Length: 355 mm
Cable length: 3000 mm
Height: 53 mm
Dist. mount. holes: 204 mm
Width: 205 mm

Bulb type: 24 LED
Lens type: Polycarbonate
Colour: Orange
Material: Shockproof plastic
Mount.: Screw
Flash patterns: 23
Waterproof: Yes
Tightness norm: IP 64K
Approval: EMC-R10/ECE-R65
E-approval: Yes

172115 LED Mini Light Bar — Std pkg 1

Switch Panel: HC-CARGO 171762.



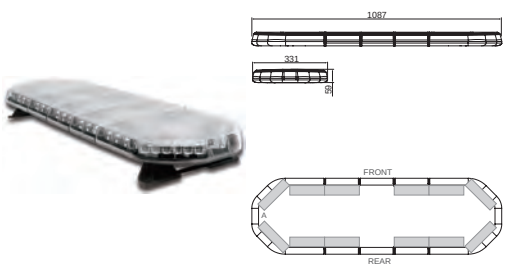
Voltage: 12/24
Amp: 2.88/1.44
Watt: 34.5

Length: 355 mm
Cable length: 3000 mm
Height: 53 mm
Dist. mount. holes: 204 mm
Width: 205 mm

Bulb type: 24 LED
Lens type: Polycarbonate
Colour: Blue
Material: Shockproof plastic
Mount.: Screw
Flash patterns: 23
Waterproof: Yes
Tightness norm: IP 64K
Approval: ECE-R10/ECE-R65
E-approval: Yes

172195 LED Light bar — Std pkg 1

Switch Panel: HC-CARGO 172200. LED Flash: HC-CARGO 172207. LED Corner Flash: HC-CARGO 172208.



Voltage: 12/24
Amp: 10/7.5

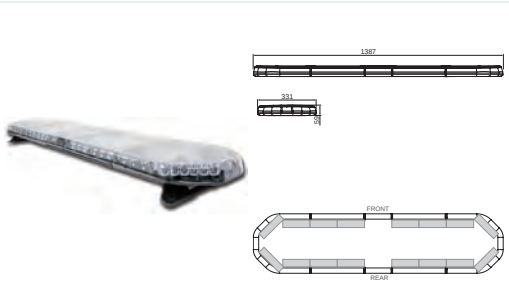
Length: 1087 mm
Cable length: 3600 mm
Height: 59 mm
Width: 331 mm

Colour: Orange
Model: 110 cm/43"
Mount.: Plan
Base: Flexible
Flash patterns: 7
Tightness norm: IP 66
Approval: SAE/ECE-R65
E-approval: Yes
Alternativ no.: 171850, 171851

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

172196 LED Light bar — Std pkg 1

Switch Panel: HC-CARGO 172200. LED Flash: HC-CARGO 172207. LED Corner Flash: HC-CARGO 172208.



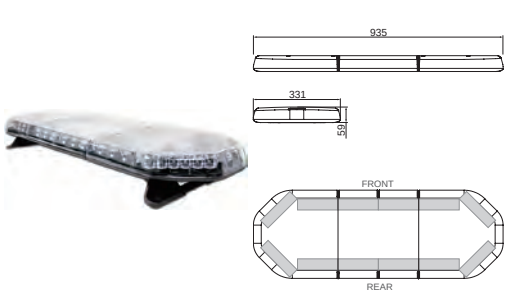
Voltage: 12/24
Amp: 15/7.5

Length: 1387 mm
Cable length: 3600 mm
Height: 59 mm
Width: 331 mm

Colour: Orange
Model: 54"
Mount.: Plan
Base: Flexible
Flash patterns: 7
Tightness norm: IP 66
Approval: SAE/ECE-R65
E-approval: Yes
Alternativ no.: 171852, 171853

172197 LED Light bar — Std pkg 1

Switch Panel: HC-CARGO 172200. LED Flash: HC-CARGO 172207. LED Corner Flash: HC-CARGO 172208.



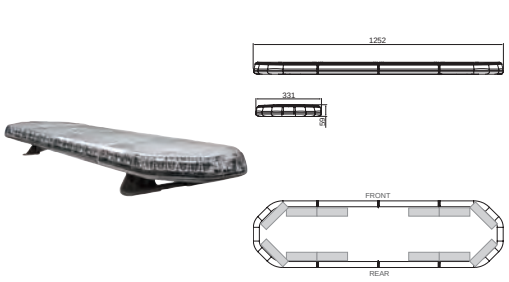
Voltage: 12/24
Amp: 10/5

Length: 935 mm
Cable length: 3600 mm
Height: 59 mm
Width: 331 mm

Colour: Orange
Model: 36"
Mount.: Plan
Base: Flexible
Flash patterns: 7
Tightness norm: IP 66
Approval: SAE/ECE-R65
E-approval: Yes
Alternativ no.: 171910

172198 LED Light bar — Std pkg 1

Switch Panel: HC-CARGO 172200. LED Flash: HC-CARGO 172207. LED Corner Flash: HC-CARGO 172208.



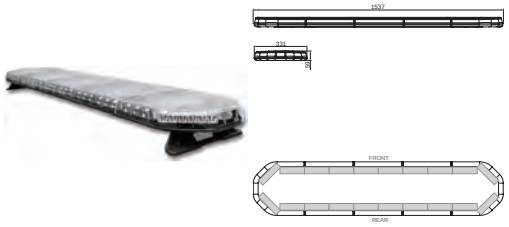
Voltage: 12/24
Amp: 15/7.5

Length: 1252 mm
Cable length: 3600 mm
Height: 59 mm
Width: 331 mm

Colour: Orange
Model: 49"
Mount.: Plan
Base: Flexible
Flash patterns: 7
Tightness norm: IP 66
Approval: SAE/ECE-R65
E-approval: Yes
Alternativ no.: 171912, 171913

172199 LED Light bar — Std pkg 1

Switch Panel: HC-CARGO 172200. LED Flash: HC-CARGO 172207. LED Corner Flash: HC-CARGO 172208.



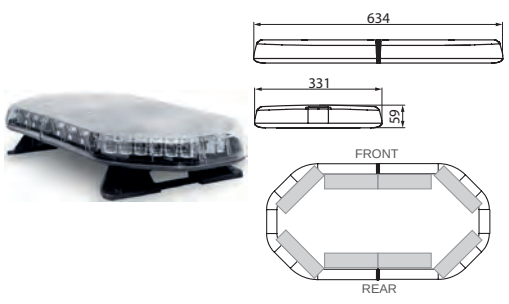
Voltage: 12/24
Amp: 15/7.5

Length: 1537 mm
Cable length: 3600 mm
Height: 59 mm
Width: 331 mm

Colour: Orange
Model: 60"
Mount.: Plan
Base: Flexible
Flash patterns: 7
Tightness norm: IP 66
Approval: SAE/ECE-R65
E-approval: Yes
Alternativ no.: 171914

172206 LED Light bar — Std pkg 1

Switch Panel: HC-CARGO 172200. LED Flash: HC-CARGO 172207. LED Corner Flash: HC-CARGO 172208.



Voltage: 12/24
Amp: 7.5/5

Length: 634 mm
Cable length: 3600 mm
Height: 59 mm
Width: 331 mm

Colour: Orange
Model: 65 cm/24"
Mount.: Plan
Base: Flexible
Flash patterns: 7
Tightness norm: IP 66
Approval: SAE/ECE-R65
E-approval: Yes

ACCESSORIES

171682 Mounting Bracket for LED Mini Light Bar
Std pkg 1

Servicing: HC-CARGO 171680

Thickness: 3 mm
Dist. mount. holes: 212 mm

171762 Switch Panel
Std pkg 1

Servicing: HC-CARGO 171760, 171761, 171849, 171850, 171851, 171852, 171853, 171909, 171910, 171911, 171912, 171913, 171914, 172094

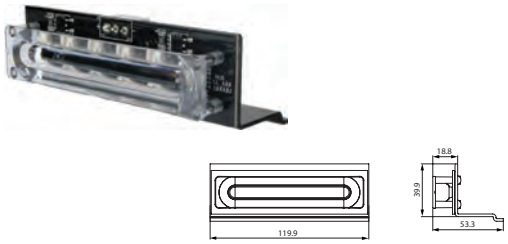
Voltage: 12/24

Dim.: 134x39x23 mm
Mount. hole size: 4 mm

Type/terminal: Flat
Colour: Black
Button colour: Black
Material: Metal
Switch combination: S1-S4 On/Off, S5 Shift

171777 LED Flash, amber
Std pkg 1

Servicing: HC-CARGO 171760, 171761



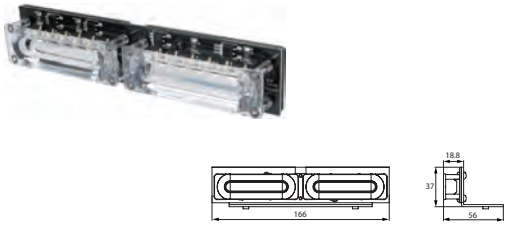
Voltage: 12

Length: 119.9 mm
Height: 39.9 mm
Width: 18.8 mm

Bulb type: 6 LED
Colour: Orange

171778 LED Corner Flash, orange
Std pkg 1

Servicing: HC-CARGO 171760, 171761



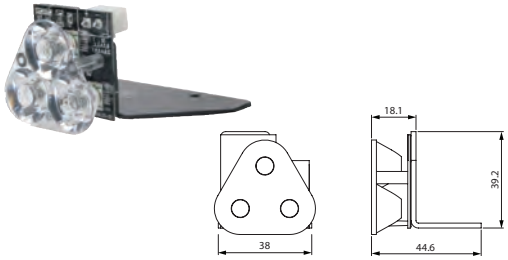
Voltage: 12

Length: 166 mm
Height: 37 mm
Width: 18.8 mm

Bulb type: 12 LED
Colour: Orange

171781 LED Alley light
Std pkg 1

Servicing: HC-CARGO 171760, 171761, 171849, 171850, 171852, 171909, 171910, 171912



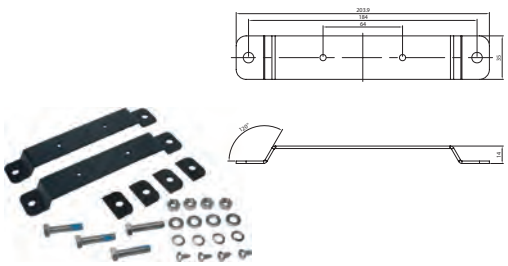
Voltage: 12

Length: 38 mm
Height: 39.2 mm
Width: 18.1 mm

Bulb type: 3 LED
Colour: Transparent
Approval: SAE/ECE-R65
E-approval: Yes

171855 Mounting Bracket for LED Micro Light Bar
Std pkg 1

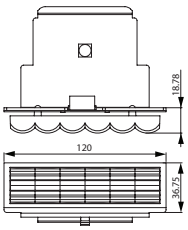
Servicing: HC-CARGO 171854



Total length: 203.9 mm
Height: 14 mm
Dist. mount. holes: 64/184 mm
Width: 35 mm

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

171856 LED Flash, amber — Std pkg 1 — **Servicing:** HC-CARGO 171849, 171850, 171852, 171910, 171912

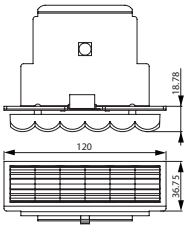


Voltage: 12

Length: 120 mm
Height: 36.75 mm
Width: 18.78 mm

Bulb type: 6 LED
Colour: Orange
Approval: SAE/ECE-R65
E-approval: Yes

171857 LED Flash, amber — Std pkg 1 — **Servicing:** HC-CARGO 171851, 171853, 171911, 171913, 171914

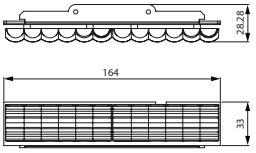


Voltage: 24

Length: 120 mm
Height: 36.75 mm
Width: 18.78 mm

Bulb type: 6 LED
Colour: Orange
Approval: SAE/ECE-R65
E-approval: Yes

171858 LED Corner Flash, orange — Std pkg 1 — **Servicing:** HC-CARGO 171849, 171850, 171852, 171910, 171912

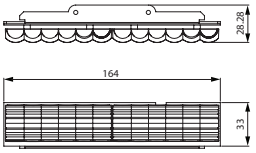


Voltage: 12

Length: 164 mm
Height: 33 mm
Width: 28.28 mm

Bulb type: 12 LED
Colour: Orange
Approval: SAE/ECE-R65
E-approval: Yes

171859 LED Corner Flash, orange — Std pkg 1 — **Servicing:** HC-CARGO 171851, 171853, 171911, 171913, 171914

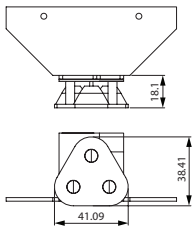


Voltage: 24

Length: 164 mm
Height: 33 mm
Width: 28.28 mm

Bulb type: 12 LED
Colour: Orange
Approval: SAE/ECE-R65
E-approval: Yes

171865 LED Alley light — Std pkg 1 — **Servicing:** HC-CARGO 171851, 171853, 171913, 171914

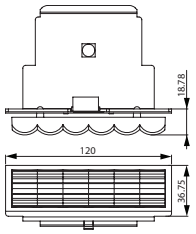


Voltage: 24

Height: 38.41 mm

Bulb type: 3 LED
Colour: Orange
Approval: SAE/ECE-R65
E-approval: Yes

171915 LED Flash, blue — Std pkg 1 — **Servicing:** HC-CARGO 171909

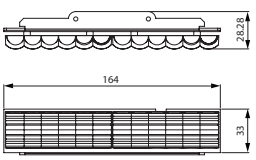


Voltage: 12

Length: 120 mm
Height: 36.75 mm
Width: 18.78 mm

Bulb type: 6 LED
Colour: Blue
Approval: SAE/ECE-R65
E-approval: Yes

171916 LED Corner Flash — Std pkg 1 — **Servicing:** HC-CARGO 171909



Voltage: 12

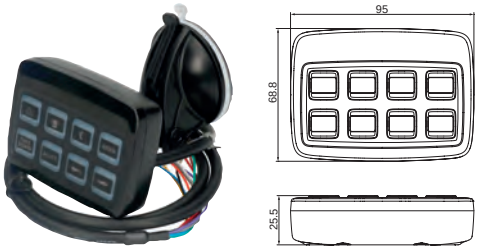
Length: 164 mm
Height: 33 mm
Width: 28.28 mm

Bulb type: 12 LED
Colour: Blue
Approval: SAE/ECE-R65
E-approval: Yes

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

172200 Switch Panel — Std pkg 1 — **Servicing:** HC-CARGO 171849, 171850, 171851, 171852, 171853, 171909, 171910, 171912, 171913, 171914, 172195, 172196, 172197, 172198

w/ suction cup holder.

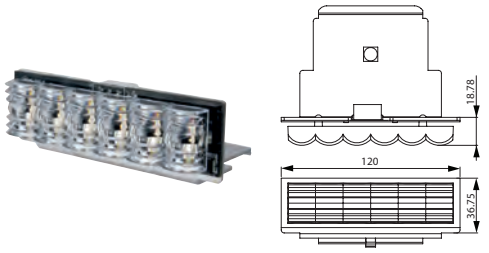


Voltage: 10-24
Amp: 1.2

Dim.: 95x68.8x25.5 mm

Colour: Black
Button colour: Grey
Switch combination: On/Off
Approval: ECE R10

172207 LED Flash, amber — Std pkg 1 — **Servicing:** HC-CARGO 172195, 172196, 172197, 172198, 172199, 172206

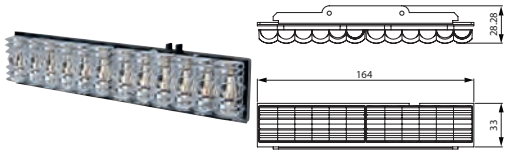


Voltage: 12/24

Length: 120 mm
Height: 36.75 mm
Width: 18.78 mm

Bulb type: 3 LED
Colour: Orange
Approval: SAE/ECE-R65
E-approval: Yes

172208 LED Corner Flash, orange — Std pkg 1 — **Servicing:** HC-CARGO 172195, 172196, 172197, 172198, 172199, 172206



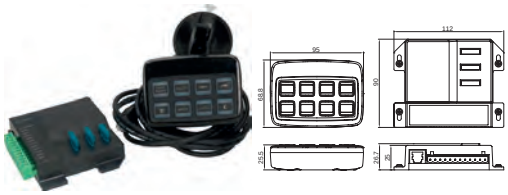
Voltage: 12/24

Length: 164 mm
Height: 33 mm
Width: 28.28 mm

Bulb type: 6 LED
Colour: Orange
Approval: SAE/ECE-R65
E-approval: Yes

172229 Switch Panel — Std pkg 1 — **Servicing:** HC-CARGO 171849, 171850, 171851, 171852, 171853, 171909, 171910, 171912, 171913, 171914, 172195, 172196, 172197, 172198

w/ suction cup holder.



Voltage: 10-24
Amp: 32

Dim.: 95x68.8x25.5 mm

Colour: Black
Button colour: Grey
Switch combination: On/Off
Approval: ECE R10

BEACON SOCKETS

170292 Beacon Socket — Std pkg 1

Rubber Body: HC-CARGO 171513. Coiled Cable: HC-CARGO 171518. Socket: HC-CARGO 180376.

Length: 100 mm

Material: Steel
Mount.: Weld
Bracket: Straight
Socket: DIN 72591 1 terminal

170387 Beacon Socket — Std pkg 1

Rubber Body: HC-CARGO 171513. Coiled Cable: HC-CARGO 171518. Socket: HC-CARGO 180376.

Length: 100 mm

Material: Electro galvanized
Mount.: w/ nuts
Bracket: Straight
Socket: DIN 72591 1 terminal

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

170405 Beacon Socket Std pkg 1

Rubber Body: HC-CARGO 171513. Coiled Cable: HC-CARGO 171518. Socket: HC-CARGO 180377.

Length: 108 mm
Mount. hole size: 10 mm

Material: Galvanized steel
Mount.: Flat
Bracket: Angled 90°
Socket: DIN 72591 2 terminal

170406* Beacon Socket Std pkg 1

Rubber Body: HC-CARGO 171513. Coiled Cable: HC-CARGO 171518. Socket: HC-CARGO 180377.

Length: 100 mm

Material: Galvanized steel
Mount.: 2 screws
Bracket: Adjustable
Socket: DIN 72591 2 terminal
Alternativ no.: 172288

170419 Beacon Socket Std pkg 1

Rubber Body: HC-CARGO 171513. Coiled Cable: HC-CARGO 171518. Socket: HC-CARGO 180377.

Length: 170 mm

Material: Galvanized steel
Mount.: Vertical
Bracket: Angled 90°
Socket: DIN 72591 2 terminal

170460* Beacon Socket Std pkg 1 **Servicing:** John Deere tractor etc - Visit our web catalogue for further information

Rubber Body: HC-CARGO 171513. Coiled Cable: HC-CARGO 171518. Socket: HC-CARGO 180377.

Length: 100 mm

Material: Galvanized steel
Mount.: 1 bolt
Bracket: Angled
Socket: DIN 72591 2 terminal

170531 Extension Std pkg 1 **Servicing:** Mercedes-Benz - Visit our web catalogue for further information

Rubber Body: HC-CARGO 171513. Coiled Cable: HC-CARGO 171518. Socket: HC-CARGO 180377.

Length: 500 mm
Mount. hole size: 24 mm

Material: Galvanized steel
Bracket: Straight
Socket: DIN 72591 2 terminal

170537 Beacon Socket Std pkg 1

Rubber Body: HC-CARGO 171513. Coiled Cable: HC-CARGO 171518. Socket: HC-CARGO 180377.

Length: 100 mm

Material: Electro galvanized
Mount.: Vertical
Bracket: Straight
Socket: DIN 72591 2 terminal

170562* Beacon Socket Std pkg 1

Rubber Body: HC-CARGO 171513. Coiled Cable: HC-CARGO 171518. Socket: HC-CARGO 180376, 180377.

Length: 100 mm

Material: Galvanized steel
Mount.: 2 screws
Bracket: Angled 90°
Socket: DIN 72591 2 terminal

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
170788 Beacon Socket Std pkg 1			
Rubber Body: HC-CARGO 171513. Coiled Cable: HC-CARGO 171518. Socket: HC-CARGO 180376.			
		Length: 102 mm **Mount. hole size:** 10 mm	**Material:** Electro galvanized **Mount.:** Flat **Bracket:** Angled **Socket:** DIN 72591 1 terminal
170789 Beacon Socket Std pkg 1			
Rubber Body: HC-CARGO 171513. Coiled Cable: HC-CARGO 171518. Socket: HC-CARGO 180376.			
		Length: 136 mm	**Material:** Electro galvanized **Mount.:** 2 screws **Bracket:** Adjustable **Socket:** DIN 72591 1 terminal
171576 Beacon socket Std pkg 1		**Servicing:** IH/CASE - Visit our web catalogue for further information	
Rubber Body: HC-CARGO 171513. Coiled Cable: HC-CARGO 171518. Socket: HC-CARGO 180377.			
		Length: 190 mm	**Material:** Steel **Mount.:** Vertical **Bracket:** Straight **Socket:** DIN 72591 2 terminal
172288* Beacon Socket Std pkg 1			
		Length: 200 mm	**Material:** Galvanized steel **Mount.:** 2 screws **Bracket:** Adjustable **Socket:** DIN 72591 2 terminal **Alternativ no.:** 170406

SPARE PARTS

171513 Rubber Body for Beacon Socket Std pkg 10	**Servicing:** HC-CARGO 170501, 170292, 170387, 170405, 170788, 170406, 170562, 170789, 170537, 171576, 170419, 170460	
		Material: Rubber
171518 Coiled Cable Std pkg 1	**Servicing:** HC-CARGO 170292, 170387, 170405, 170788, 170406, 170562, 170789, 170537, 171576, 170419, 170460	
	Working length: 2 m	**Plug type:** Cigar plug **Plug:** 2 **ISO norm:** 4165
171562 Coiled Cable Std pkg 1	**Servicing:** HC-CARGO 171494, 171495	
	Working length: 3 m	**Plug type:** Cigar plug

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

180376 DIN Socket — Std pkg 5 — **Servicing:** HC-CARGO 170292, 170387, 170788, 170789

Also used in sockets for beacons. Standard DIN. w/ Thread.

ID/mount. hole: 18.5 mm

Material: Brass
No./poles: 1
Male/female: Female
DIN norm: 72591

180377 DIN Socket — Std pkg 5 — **Servicing:** HC-CARGO 170405, 170406, 170419, 170460, 170531, 170537, 170562, 171576

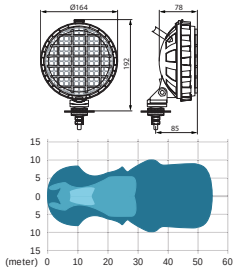
Also used in sockets for beacons.

ID/mount. hole: 18.5 mm

Material: Brass
No./poles: 2
Male/female: Female
DIN norm: 72591

WORK LAMPS CONVENTIONAL

170093 Work Lamp — Std pkg 1

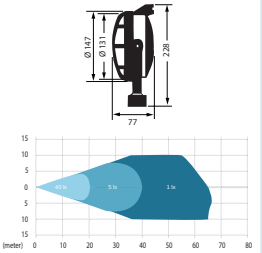


Bulb incl.: No

Dim.: 164x192x85 mm
Light aperture: 136 mm

Type: H3
Socket type: PK22s
Colour: Black
Material/house: Plastic
Material/lens: Glass
Reflector system: Single
Shape: Round
Switch: w/
Mount. bracket: Single bolt fixing
Grill: w/
Handle: w/
Tightness norm: IP 54

170237 Work Lamp — Std pkg 1



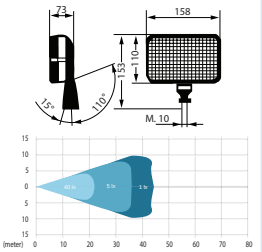
Bulb incl.: No

Dim.: 228x77 mm
Light aperture: 131 mm

Type: H3
Socket type: PK22s
Colour: Black
Material/house: Shockproof plastic
Material/lens: Glass
Reflector system: Single
Shape: Round
Switch: w/
Mount. bracket: U-bracket w/ 2 holes
Grill: w/
Handle: w/

170489 Work Lamp — Std pkg 1

w/o U-bracket.

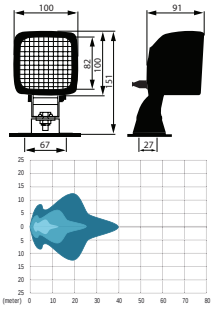


Bulb incl.: No

Dim.: 158x153x73 mm
Light aperture: 155x104 mm

Type: H3
Socket type: PK22s
Colour: Black
Material/house: Shockproof plastic
Material/lens: Glass
Reflector system: Single
Shape: Rectangular
Switch: w/o
Mount. bracket: Single bolt fixing
Grill: w/
Handle: w/o

170857 Work Lamp — Std pkg 1



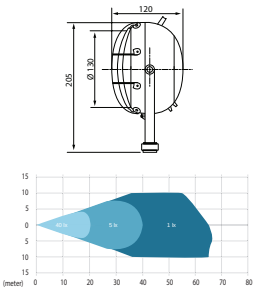
Bulb incl.: No

Dim.: 100x151x91 mm
Light aperture: 73x73 mm

Type: H3
Socket type: PK22s
Colour: Black
Material/house: Shockproof plastic
Material/lens: Glass
Reflector system: Free form
Shape: Square
Mount.: Upright/pendant
Switch: w/o
Mount. bracket: U-bracket w/ 4 holes
Grill: w/o
Handle: w/o
2 poles: w/
Tightness norm: IP 66
Alternativ no.: 170982

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

170970 Work Lamp — Std pkg 1



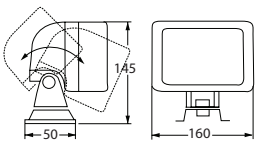
Bulb incl.: No

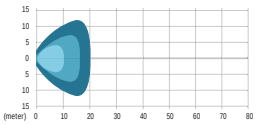
Dim.: 205x120 mm
Light aperture: 130 mm

Type: H3
Socket type: PK22s
Colour: Black
Material/house: Metal
Material/lens: Glass
Shape: Round
Switch: w/
Mount. bracket: U-bracket w/ 2 holes
Grill: w/
Handle: w/

170979 Work Lamp — Std pkg 1

External plug for flat plug connection.





Bulb incl.: No

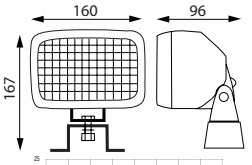
Dim.: 160x145x50 mm
Light aperture: 123x72 mm

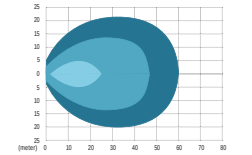
Type: H3
Socket type: PK22s
Colour: Black
Material/house: Shockproof plastic
Material/lens: Glass
Shape: Rectangular
Mount.: Flat
Switch: w/o
Mount. bracket: U-bracket w/ 4 holes
Grill: w/o
Handle: w/o

170980 Work Lamp — Std pkg 1

Servicing: Universal - Visit our web catalogue for further information

External plug for flat plug connection.





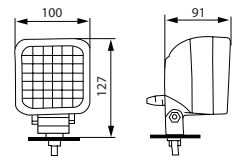
Bulb incl.: No

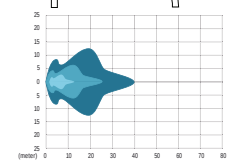
Dim.: 160x167x96 mm
Light aperture: 123x78 mm

Type: H3
Socket type: PK22s
Colour: Black
Material/house: Shockproof plastic
Material/lens: Glass
Reflector system: Dual
Shape: Rectangular
Mount.: Flat
Switch: w/o
Mount. bracket: U-bracket w/ 4 holes
Grill: w/o
Handle: w/o
2 poles: w/o
Tightness norm: IP 65
Alternativ no.: 170851

171449 Work Lamp — Std pkg 1

External plug for multiplug connection.



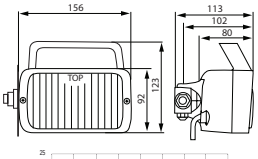


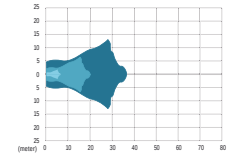
Bulb incl.: No
Watt: 55

Dim.: 100x127x91 mm
Light aperture: 73x73 mm

Type: H3
Socket type: PK22s
Colour: Black
Material/house: Glass
Material/lens: Shockproof plastic
Reflector system: Single
Shape: Square
Mount.: Upright/pendant
Switch: w/o
Mount. bracket: Single bolt fixing
Grill: w/o
Handle: w/o
2 poles: w/
Tightness norm: IP 66

171564 Work Lamp — Std pkg 1





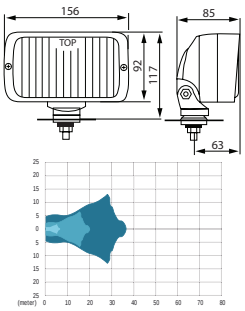
Bulb incl.: No

Dim.: 156x117x85 mm
Light aperture: 120x68 mm

Type: H3
Socket type: PK22s
Colour: Black
Material/house: Glass
Material/lens: Shockproof plastic
Shape: Rectangular
Switch: w/
Mount. bracket: Single bolt fixing
Grill: w/o
Handle: w/
Tightness norm: IP 55

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

171566 Work Lamp — Std pkg 1



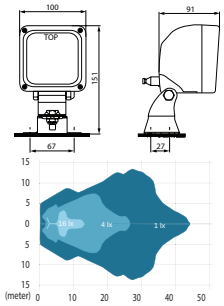
Bulb incl.: No

Dim.: 156x123x113 mm
Light aperture: 123x70 mm

Type: H3
Socket type: PK22s
Inclination/downwards: 180°
Inclination/upwards: 180°
Inclination/sideways: 105°
Colour: Black
Material/house: Shockproof plastic
Material/lens: Glass
Shape: Rectangular
Mount.: Sidemounted
Switch: w/o
Mount. bracket: Single bolt fixing
Grill: w/o
Handle: w/o
Tightness norm: IP 55

171782 Work Lamp — Std pkg 1

w/ Deutsch multiconnection.



Bulb incl.: No

Dim.: 100x151x91 mm
Light aperture: 73x73 mm

Type: H3
Socket type: PK22s
Colour: Black
Material/house: Shockproof plastic
Material/lens: Glass
Reflector system: Single
Shape: Square
Mount.: Upright/pendant
Switch: w/
Mount. bracket: Single bolt fixing
Grill: w/o
Handle: w/o
2 poles: w/
Tightness norm: IP 66

ACCESSORIES

171936 Magnetic base for Lamps — Std pkg 1

Servicing: HC-CARGO 170534

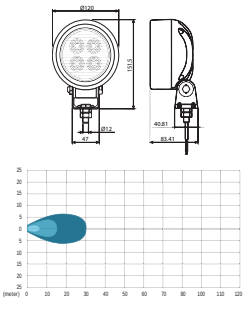
Coiled cable: 2000 mm

Colour: Black
Mount.: Magnetic
Mount. bracket: U-bracket w/ 2 holes
Magnet base: w/
Lighter plug incl.: Yes
Coiled cable incl.: Yes

WORK LAMPS LED

171671 LED Work Lamp — Std pkg 1

4 diodes. Black cable negative.



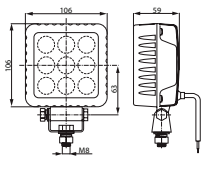
Voltage: 10-64
Watt: 8.5
Candela: 800
Kelvin: 5000-6500
Lumen: 450

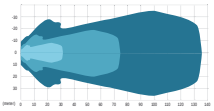
Dim.: 151.5x120x83.41 mm
Cable length: 2000 mm
Light aperture: 100 mm

Type: 4 LED
Colour: Black
Material/house: Shock thermo plastic
Material/lens: Shockproof plastic
Reflector system: Spot
Shape: Round
Switch: w/o
Mount. bracket: 1 nut
Magnet base: w/o
Handle: w/o
2 poles: w/o
Tightness norm: IP 66
Approval: ECE R10

171727 LED Work Lamp — Std pkg 1

Grey lead +, white lead -.





Voltage: 9-33
Watt: 9
Kelvin: 5000-5500
Lumen: 900

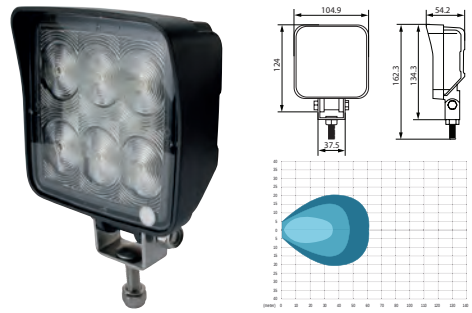
Dim.: 106x106x59 mm
Cable length: 450 mm
Light aperture: 85x85 mm

Type: 9 LED
Colour: Black
Material/house: Cast aluminum
Material/lens: Shockproof plastic
Reflector system: Flood
Shape: Square
Switch: w/o
Mount. bracket: U-bracket w/ 1 bolt
Handle: w/o
2 poles: w/o
Tightness norm: IP 67
Approval: ECE R10

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

171751 LED Work Lamp — Std pkg 1

White cable to ground. Black cable to +12/36 V.



Voltage: 9-36
Watt: 19
Candela: 2210
Kelvin: 5900
Lumen: 1200

Dim.:
104.9x162.3x54.2 mm
Cable length: 280 mm
Light aperture:
100x100 mm

Type: 6 LED
Colour: Black
Material/ bracket: Stainless steel
Material/house: Cast aluminum
Material/lens: Polycarbonate
Reflector system: Flood
Shape: Square
Switch: w/o
Mount. bracket: U-bracket w/ 1 bolt
Handle: w/o
2 poles: w/o
Tightness norm: IP 69K
Approval: ECE R10
Alternativ no.: 172126

171752 LED Work Lamp — Std pkg 1

White cable to ground. Black cable to +12/36 V.

Voltage: 12-36
Watt: 20
Candela: 3600
Kelvin: 5900
Lumen: 1800

Dim.: 125x176x60.1 mm
Cable length: 280 mm
Light aperture:
93x83 mm

Type: 9 LED
Colour: Black
Material/ bracket: Stainless steel
Material/house: Aluminium
Material/lens: Polycarbonate
Reflector system: Flood
Shape: Square
Switch: w/o
Mount. bracket: U-bracket w/ 1 bolt
2 poles: w/o
Tightness norm: IP 69K
Approval: ECE R10
Alternativ no.: 172129

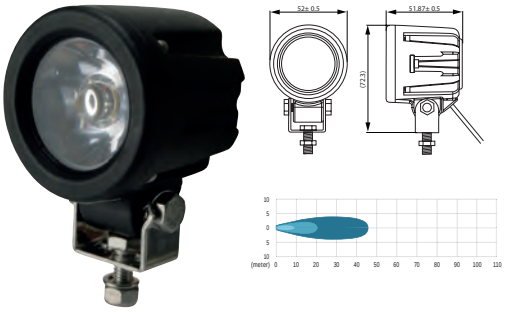
171755 LED Work Lamp — Std pkg 1

Voltage: 11-70
Watt: 27
Kelvin: 5300
Lumen: 1900

Dim.: 110.4x184x67 mm
Cable length: 1200 mm
Light aperture:
88x88 mm

Type: 6 LED
Colour: Black
Material/house: Cast aluminum
Reflector system: Flood
Shape: Square
Switch: w/o
Mount. bracket: Single bolt fixing
2 poles: w/o
Tightness norm: IP 67
Approval: ECE R10
E-approval: No

171811 LED Work Lamp — Std pkg 1

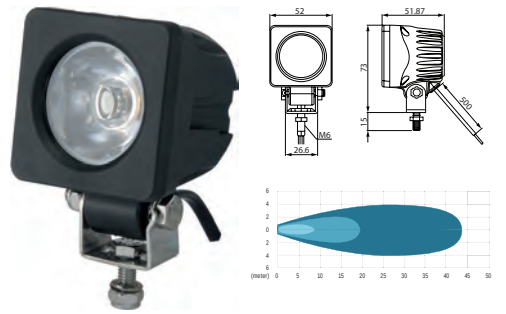


Voltage: 10-80
Watt: 5
Candela: 2000
Kelvin: 5000-6500
Lumen: 600

Dim.:
72.3x52x51.87 mm
Cable length: 300 mm
Light aperture: 35 mm

Type: 1 LED
Bulb type: 1 LED
Inclination/downwards: Yes
Inclination/upwards: Yes
Colour: Black
Material/house: Aluminium
Material/lens: Plastic
Reflector system: Spot
Shape: Round
Switch: w/o
Mount. bracket: U-bracket w/ 1 bolt
2 poles: w/o
Tightness norm: IP 66
Approval: ECE R10

171847 LED Work Lamp — Std pkg 1



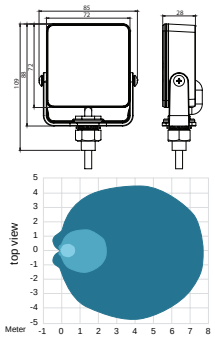
Voltage: 10-80
Amp: 0.3
Watt: 5
Candela: 2000
Kelvin: 5000-6500
Lumen: 600

Dim.: 52x51.9x72.3 mm
Cable length: 500 mm

Type: 1 LED
Inclination/downwards: Yes
Inclination/upwards: Yes
Colour: Black
Reflector system: Spot
Shape: Square
Switch: w/o
2 poles: w/o
Tightness norm: IP 67
Approval: ECE R10

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

171940 LED Work Lamp — Std pkg 1

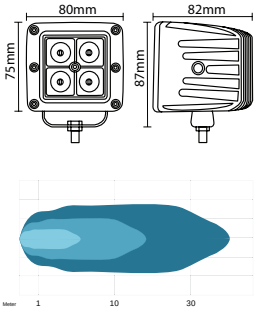


Voltage: 12-24
Amp: 0.37
Watt: 7.5
Kelvin: 5650
Lumen: 300

Dim.: 88x85 mm
Cable length: 380 mm
Light aperture: 72 mm

Type: 4 LED
Colour: Black
Material/house: Aluminium
Material/lens: Polycarbonate
Reflector system: Flood
Shape: Square
Switch: w/o
Mount. bracket: U-bracket w/ 1 bolt
2 poles: w/o
Tightness norm: IP 67
Approval: ECE R10

171944 LED Work Lamp — Std pkg 1

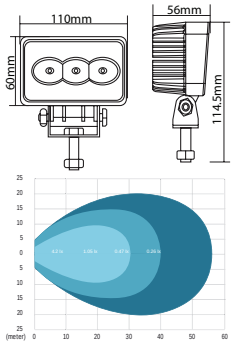


Voltage: 10-30
Watt: 16
Kelvin: 6000
Lumen: 800

Dim.: 87x80x75 mm
Cable length: 400 mm

Type: 4 LED
Colour: Black
Material/ bracket: Stainless steel
Material/house: Cast aluminum
Material/lens: Polycarbonate
Reflector system: Flood
Shape: Square
Mount.: Cable
Switch: w/o
2 poles: w/o
Tightness norm: IP 67
Approval: ECE R10

171945 LED Work Lamp — Std pkg 1

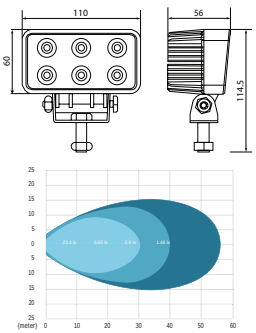


Voltage: 10-30
Watt: 9
Kelvin: 6000
Lumen: 600

Dim.: 60x110x56 mm
Cable length: 400 mm

Type: 3 LED
Colour: Black
Material/ bracket: Stainless steel
Material/house: Cast aluminum
Material/lens: Polycarbonate
Reflector system: Flood
Shape: Rectangular
Mount.: Cable
Switch: w/o
2 poles: w/o
Tightness norm: IP 67
Approval: ECE R10

171946 LED Work Lamp — Std pkg 1

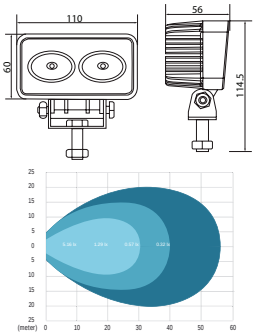


Voltage: 10-30
Watt: 18
Kelvin: 6000
Lumen: 1200

Dim.: 60x110x56 mm
Cable length: 400 mm

Type: 6 LED
Colour: Black
Material/ bracket: Stainless steel
Material/house: Cast aluminum
Material/lens: Polycarbonate
Reflector system: Flood
Shape: Rectangular
Mount.: Cable
Switch: w/o
2 poles: w/o
Tightness norm: IP 67
Approval: ECE R10

171947 LED Work Lamp — Std pkg 1



Voltage: 10-30
Watt: 20
Kelvin: 6000
Lumen: 1600

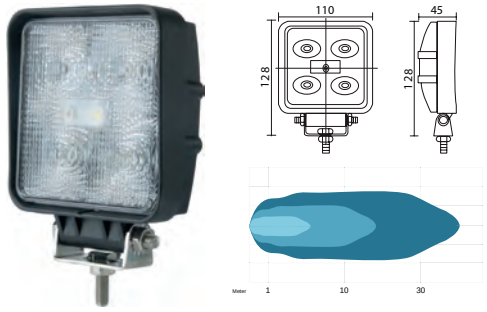
Dim.: 60x110x56 mm
Cable length: 400 mm

Type: 2 LED
Colour: Black
Material/ bracket: Stainless steel
Material/house: Cast aluminum
Material/lens: Polycarbonate
Reflector system: Flood
Shape: Rectangular
Mount.: Cable
Switch: w/o
2 poles: w/o
Tightness norm: IP 67
Approval: ECE R10

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

171948 LED Work Lamp — Std pkg 1

Handle: HC-CARGO 172008.



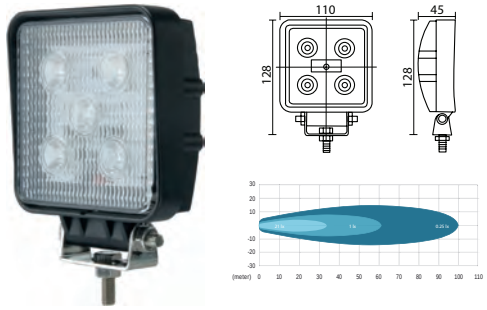
Voltage: 10-30
Watt: 15
Kelvin: 6000
Lumen: 1100

Dim.: 128x110x45 mm
Cable length: 400 mm

Type: 5 LED
Colour: Black
Material/ bracket: Stainless steel
Material/house: Cast aluminum
Material/lens: Polycarbonate
Reflector system: Flood
Shape: Square
Mount.: Cable
Switch: w/o
2 poles: w/o
Tightness norm: IP 67
Approval: ECE R10
Alternativ no.: 172119

171949 LED Work Lamp — Std pkg 1

Handle: HC-CARGO 172008.



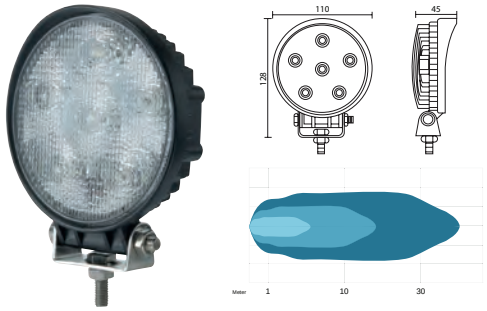
Voltage: 10-30
Watt: 15
Kelvin: 6000
Lumen: 1100

Dim.: 128x110x45 mm
Cable length: 400 mm

Type: 5 LED
Colour: Black
Material/ bracket: Stainless steel
Material/house: Cast aluminum
Material/lens: Polycarbonate
Reflector system: Spot
Shape: Square
Mount.: Cable
Switch: w/o
2 poles: w/o
Tightness norm: IP 67
Approval: ECE R10

171950 LED Work Lamp — Std pkg 1

Handle: HC-CARGO 172008.



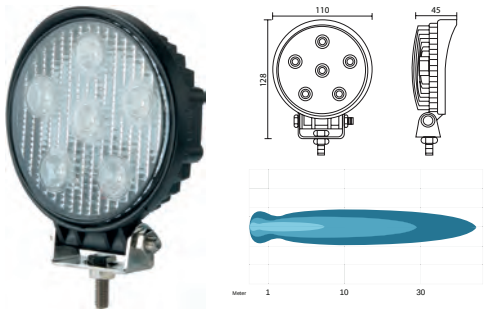
Voltage: 10-30
Watt: 18
Kelvin: 6000
Lumen: 1200

Dim.: 128x110x45 mm
Cable length: 400 mm

Type: 6 LED
Colour: Black
Material/ bracket: Stainless steel
Material/house: Cast aluminum
Material/lens: Polycarbonate
Reflector system: Flood
Shape: Round
Mount.: Cable
Switch: w/o
2 poles: w/o
Tightness norm: IP 67
Approval: ECE R10
Alternativ no.: 172120

171951 LED Work Lamp — Std pkg 1

Handle: HC-CARGO 172008.



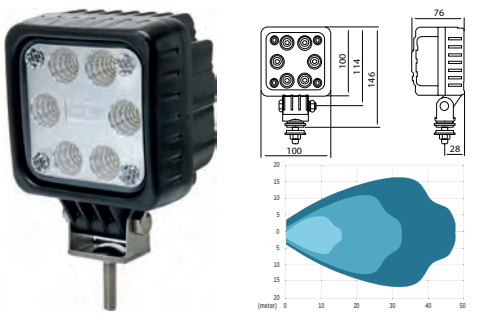
Voltage: 10-30
Watt: 18
Kelvin: 6000
Lumen: 1200

Dim.: 128x110x45 mm
Cable length: 400 mm

Type: 6 LED
Colour: Black
Material/ bracket: Stainless steel
Material/house: Cast aluminum
Material/lens: Polycarbonate
Reflector system: Spot
Shape: Round
Mount.: Cable
Switch: w/o
2 poles: w/o
Tightness norm: IP 67
Approval: ECE R10

171955 LED Work Lamp — Std pkg 1

Accessories: HC-CARGO 190252, 190261, 191029, 193010. Bracket: HC-CARGO 172005.



Voltage: 12-24
Watt: 24
Kelvin: 5000-7000
Lumen: 1500

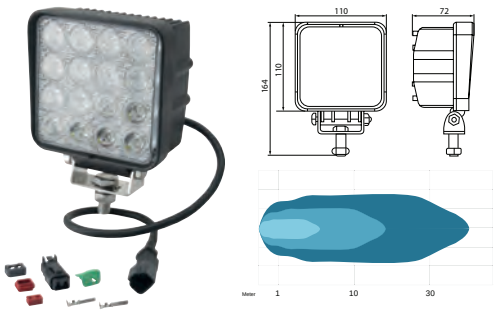
Dim.: 100x100x76 mm

Type: 6 LED
Inclination/downwards: 80°
Inclination/upwards: 90°
Inclination/sideways: 180°
Colour: Black
Material/house: ABS plastic/aluminium
Material/lens: Plastic
Reflector system: Flood
Shape: Square
Switch: w/o
2 poles: w/
Tightness norm: IP 66
Approval: ECE R10

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

172001 LED Work Lamp — Std pkg 1

Handle: HC-CARGO 172008.



Voltage: 10-80
Watt: 48
Kelvin: 6000
Lumen: 3500

Dim.: 164x110x72 mm
Cable length: 400 mm

Type: 16 LED
Colour: Black
Material/ bracket: Stainless steel
Material/house: Cast aluminum
Material/lens: Polycarbonate
Reflector system: Flood
Shape: Square
Mount.: Cable
Switch: w/o
2 poles: w/
Tightness norm: IP 67
Approval: ECE R10
Alternativ no.: 172232

172003 LED Work Lamp — Std pkg 1

Bracket: HC-CARGO 172005.

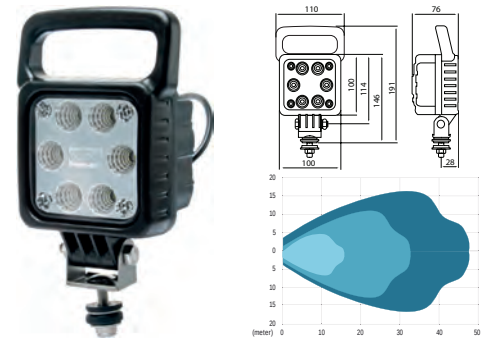
Voltage: 12-24
Watt: 24
Kelvin: 5000-7000
Lumen: 1500

Dim.: 100x100x76 mm
Cable length: 500 mm

Type: 6 LED
Inclination/downwards: 80°
Inclination/upwards: 90°
Inclination/sideways: 180°
Colour: Black
Material/house: ABS plastic/aluminium
Material/lens: Plastic
Reflector system: Flood
Shape: Square
Switch: w/
2 poles: w/o
Tightness norm: IP 67/IP 69K
Approval: ECE R10

172004 LED Work Lamp — Std pkg 1

Bracket: HC-CARGO 172005.

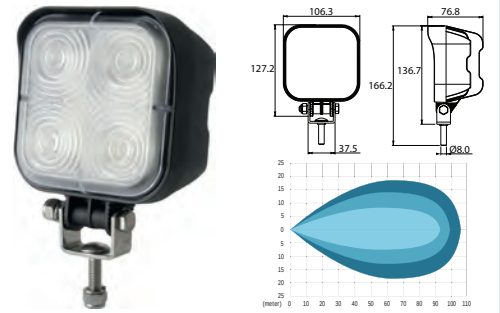


Voltage: 12-24
Watt: 24
Kelvin: 5000-7000
Lumen: 1500

Dim.: 205x110x76 mm
Cable length: 500 mm

Type: 6 LED
Inclination/downwards: 80°
Inclination/upwards: 90°
Inclination/sideways: 180°
Colour: Black
Material/house: ABS plastic/aluminium
Material/lens: Plastic
Reflector system: Flood
Shape: Square
Switch: w/
Handle: w/
2 poles: w/o
Tightness norm: IP 67/IP 69K
Approval: ECE R10

172010 LED Work Lamp — Std pkg 1



Voltage: 12-36
Watt: 40
Kelvin: 6500
Lumen: 3200

Dim.:
127.2x106.3x76.8 mm
Cable length: 280 mm

Type: 4 LED
Colour: Black
Material/ bracket: Stainless steel
Material/house: Aluminium
Material/lens: Polycarbonate
Reflector system: Flood
Shape: Square
Switch: w/o
Mount. bracket: U-bracket w/ 1 bolt
2 poles: w/o
Tightness norm: IP 69K
Approval: ECE R10
Alternativ no.: 171932, 172129

172032 LED Work Lamp — Std pkg 1

Voltage: 10-80
Watt: 36
Kelvin: 6000
Lumen: 2880

Dim.: 140x95x70 mm
Cable length: 400 mm

Type: 12 LED
Colour: Black
Material/ bracket: Cast aluminum
Material/house: Cast aluminum
Material/lens: Polycarbonate
Reflector system: Flood
Shape: Oval
Switch: w/o
2 poles: w/
Tightness norm: IP 69K
Approval: ECE R10

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

172045 LED Work Lamp — Std pkg 1

Voltage: 10-80
Watt: 65
Kelvin: 6000
Lumen: 5850

Dim.: 165x142x94.5 mm
Cable length: 500 mm

Type: 13 LED
Colour: Black
Material/ bracket: Stainless steel
Material/house: Aluminium
Material/lens: Polycarbonate
Reflector system: Flood
Shape: Oval
Switch: w/o
2 poles: w/
Tightness norm: IP 69K
Approval: ECE R10

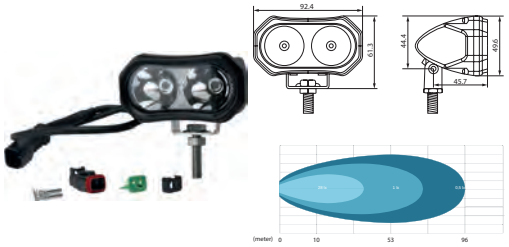
172046 LED Work Lamp — Std pkg 1

Voltage: 10-80
Watt: 65
Kelvin: 6000
Lumen: 5850

Dim.: 165x142x94.5 mm
Cable length: 500 mm

Type: 13 LED
Colour: Black
Material/ bracket: Stainless steel
Material/house: Aluminium
Material/lens: Polycarbonate
Reflector system: Spot
Shape: Oval
Switch: w/o
2 poles: w/
Tightness norm: IP 69K
Approval: ECE R10

172055 LED Work Lamp — Std pkg 1

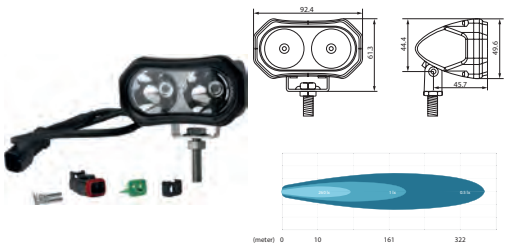


Voltage: 10-80
Amp: 0.83/0.42
Watt: 10
Kelvin: 6000
Lumen: 900

Dim.:
92.4x49.6x45.7 mm
Cable length: 500 mm

Type: 2 LED
Colour: Black
Material/ bracket: Stainless steel
Material/house: Cast aluminum
Material/lens: Polycarbonate
Reflector system: Flood
Shape: Rectangular
Switch: w/o
Mount. bracket: U-bracket w/ 1 bolt
2 poles: w/
Tightness norm: IP 69K
Approval: ECE R10

172056 LED Work Lamp — Std pkg 1

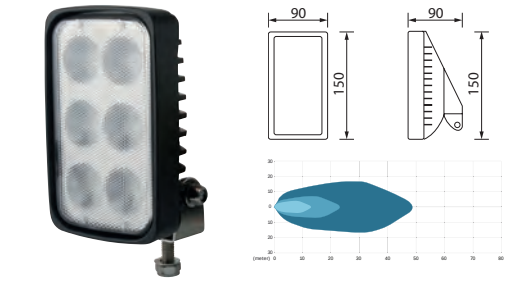


Voltage: 10-80
Amp: 0.83/0.42
Watt: 10
Kelvin: 6000
Lumen: 900

Dim.:
92.4x49.6x45.7 mm
Cable length: 500 mm

Type: 2 LED
Colour: Black
Material/ bracket: Stainless steel
Material/house: Cast aluminum
Material/lens: Polycarbonate
Reflector system: Spot
Shape: Rectangular
Switch: w/o
Mount. bracket: U-bracket w/ 1 bolt
2 poles: w/
Tightness norm: IP 69K
Approval: ECE R10

172088 LED Work Lamp — Std pkg 1

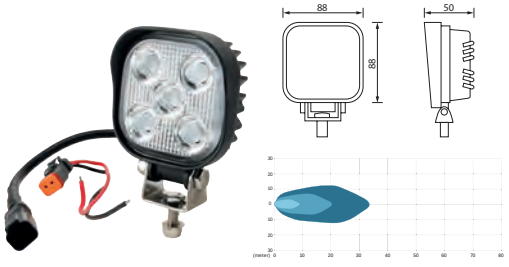


Voltage: 10-30
Watt: 30
Kelvin: 6000
Lumen: 2400

Dim.: 150x90x90 mm
Cable length: 350 mm

Type: 6 LED
Colour: Black
Material/ bracket: Cast aluminum
Material/house: Aluminium
Material/lens: Polycarbonate
Reflector system: Flood
Shape: Rectangular
Mount.: Sidemounted
Switch: w/o
2 poles: w/
Tightness norm: IP 69K
Approval: ECE R10

172105 LED Work Lamp — Std pkg 1



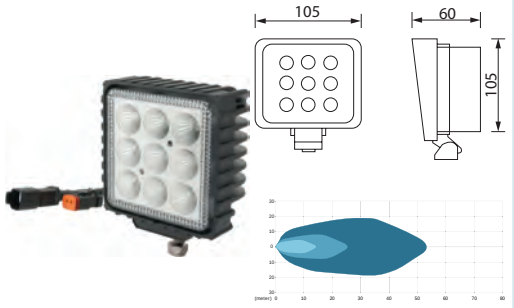
Voltage: 10-30
Watt: 15
Kelvin: 6000
Lumen: 1200

Dim.: 88x88x50 mm
Cable length: 450 mm

Type: 5 LED
Colour: Black
Material/ bracket: Cast aluminum
Material/house: Aluminium
Material/lens: Polycarbonate
Reflector system: Flood
Shape: Square
Switch: w/o
2 poles: w/
Male/female: Male/female
Tightness norm: IP 69K
Approval: ECE R10

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

172106 LED Work Lamp — Std pkg 1

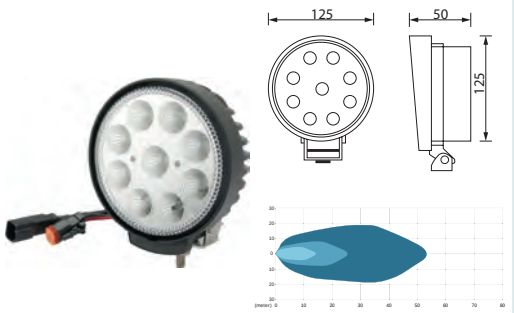


Voltage: 10-30
Watt: 27
Kelvin: 6000
Lumen: 2160

Dim.: 105x105x60 mm
Cable length: 450 mm

Type: 9 LED
Colour: Black
Material/ bracket: Cast aluminum
Material/house: Aluminium
Material/lens: Polycarbonate
Reflector system: Flood
Shape: Square
Switch: w/o
2 poles: w/
Male/female: Male/female
Tightness norm: IP 69K
Approval: ECE R10

172107 LED Work Lamp — Std pkg 1

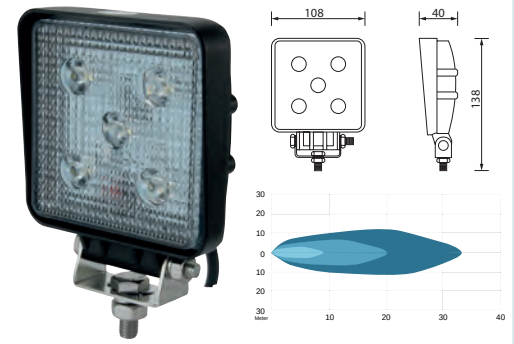


Voltage: 10-30
Watt: 27
Kelvin: 6000
Lumen: 2160

Dim.: 125x125x50 mm
Cable length: 450 mm

Type: 9 LED
Colour: Black
Material/ bracket: Cast aluminum
Material/house: Aluminium
Material/lens: Polycarbonate
Reflector system: Flood
Shape: Round
Switch: w/o
2 poles: w/
Male/female: Male/female
Tightness norm: IP 69K
Approval: ECE R10

172119 LED Work Lamp — Std pkg 1

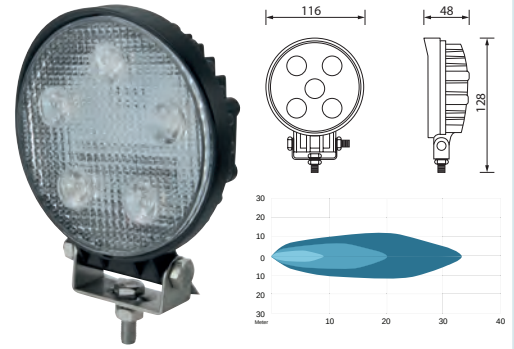


Voltage: 10-30
Watt: 15
Kelvin: 6000
Lumen: 1100

Dim.: 138x108x40 mm
Cable length: 265 mm

Type: 5 LED
Colour: Black
Material/ bracket: Stainless steel
Material/house: Cast aluminum
Material/lens: Polycarbonate
Reflector system: Flood
Shape: Square
Switch: w/o
2 poles: w/o
Tightness norm: IP 67
Approval: ECE R10
Alternativ no.: 171948

172120 LED Work Lamp — Std pkg 1



Voltage: 10-30
Watt: 15
Kelvin: 6000
Lumen: 1100

Dim.: 128x116x48 mm
Cable length: 265 mm

Type: 5 LED
Colour: Black
Material/ bracket: Stainless steel
Material/house: Cast aluminum
Material/lens: Polycarbonate
Reflector system: Flood
Shape: Round
Switch: w/o
2 poles: w/o
Tightness norm: IP 67
Approval: ECE R10
Alternativ no.: 171950

172126 LED Work Lamp — Std pkg 1

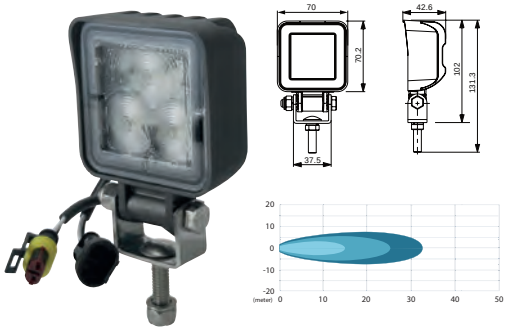
Voltage: 12-36
Watt: 19.3
Candela: 2000
Kelvin: 5900
Lumen: 2160

Dim.:
126.4x99x54.2 mm
Cable length: 300 mm

Type: 9 LED
Colour: Black
Material/ bracket: Stainless steel
Material/house: Aluminium
Material/lens: Polycarbonate
Reflector system: Flood
Shape: Square
Switch: w/o
Mount. bracket: U-bracket w/ 1 bolt
2 poles: w/
Tightness norm: IP 69K
Approval: ECE R10
Alternativ no.: 171751

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

172127 LED Work Lamp — Std pkg 1



Voltage: 12-36
Watt: 8.4
Candela: 1200
Kelvin: 5900
Lumen: 720

Dim.:
131.3x70x42.6 mm
Cable length: 300 mm

Type: 3 LED
Colour: Black
Material/ bracket: Stainless steel
Material/house: Shock thermo plastic
Material/lens: Polycarbonate
Reflector system: Flood
Shape: Square
Switch: w/o
2 poles: w/
Tightness norm: IP 67
Approval: ECE R10

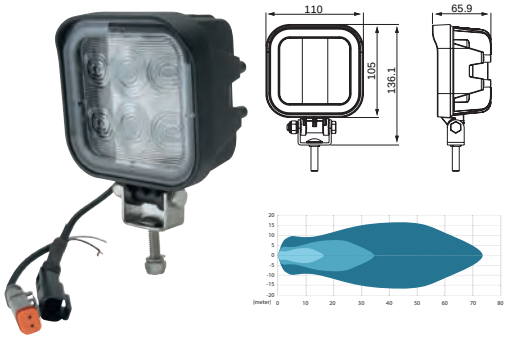
172128 LED Work Lamp — Std pkg 1

Voltage: 12-36
Watt: 22
Kelvin: 5900
Lumen: 2160

Dim.: 188.4x125x82 mm
Cable length: 280 mm

Type: 9 LED
Colour: Red/black
Material/ bracket: Stainless steel
Material/house: Aluminium
Material/lens: Polycarbonate
Reflector system: Flood
Shape: Square
Switch: w/
Handle: w/
2 poles: w/
Tightness norm: IP 69K
Approval: ECE R10

172129 LED Work Lamp — Std pkg 1



Voltage: 12-36
Watt: 40
Candela: 8000
Kelvin: 6500
Lumen: 4800

Dim.:
136.1x110x65.9 mm
Cable length: 350 mm

Type: 6 LED
Colour: Black
Material/ bracket: Stainless steel
Material/house: Aluminium
Material/lens: Polycarbonate
Reflector system: Flood
Shape: Square
Switch: w/o
Mount. bracket: U-bracket w/ 1 bolt
2 poles: w/
Tightness norm: IP 69K
Approval: ECE R10
Alternativ no.: 171752, 172010

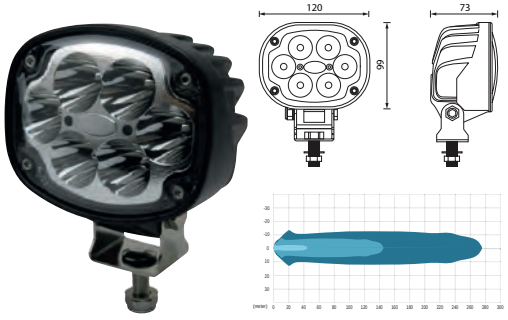
172130 LED Work Lamp — Std pkg 1

Voltage: 12-36
Watt: 22
Kelvin: 5900
Lumen: 2160

Dim.:
202.2x125x114.7 mm
Cable length: 2000 mm

Type: 9 LED
Colour: Red/black
Material/ bracket: Stainless steel
Material/house: Aluminium
Material/lens: Polycarbonate
Reflector system: Flood
Shape: Square
Switch: w/
Magnet base: w/
2 poles: w/o
Coiled cable incl.: Yes
Tightness norm: IP 69K
Approval: ECE R10

172131 LED Work Lamp — Std pkg 1



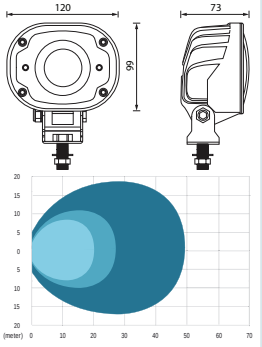
Voltage: 10-60
Watt: 30
Kelvin: 6000
Lumen: 2400

Dim.: 119x105x80 mm
Cable length: 460 mm

Type: 6 LED
Colour: Black
Material/ bracket: Stainless steel
Material/house: Aluminium
Material/lens: Polycarbonate
Reflector system: Spot
Shape: Square
Switch: w/o
2 poles: w/
Tightness norm: IP 69K
Approval: ECE R10
Alternativ no.: 172132

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

172132 LED Work Lamp — Std pkg 1

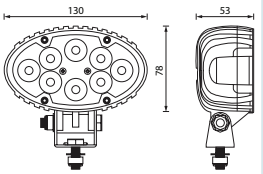


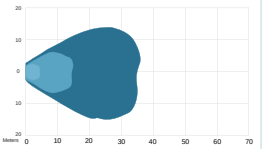
Voltage: 10-60
Watt: 35
Kelvin: 6000
Lumen: 2800

Dim.: 119x105x80 mm
Cable length: 460 mm

Type: COB
Colour: Black
Material/ bracket: Stainless steel
Material/house: Aluminium
Material/lens: Polycarbonate
Reflector system: Flood
Shape: Square
Switch: w/o
2 poles: w/
Tightness norm: IP 69K
Approval: ECE R10
Alternativ no.: 172131

172134 LED Work Lamp — Std pkg 1



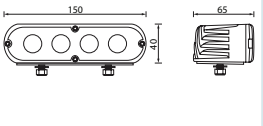


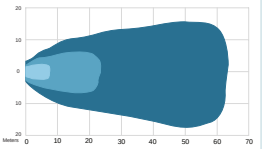
Voltage: 10-30
Watt: 24
Kelvin: 6000
Lumen: 1920

Dim.: 130x78x53 mm
Cable length: 460 mm

Type: 8 LED
Colour: Black
Material/ bracket: Stainless steel
Material/house: Aluminium
Material/lens: Polycarbonate
Reflector system: Flood
Shape: Oval
Switch: w/o
2 poles: w/o
Tightness norm: IP 69K
Approval: ECE R10

172135 LED Work Lamp — Std pkg 1



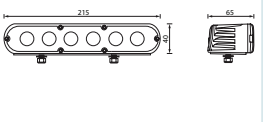


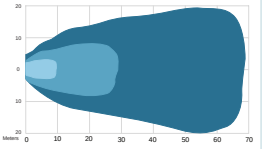
Voltage: 10-60
Watt: 20
Kelvin: 6000
Lumen: 1600

Dim.: 150x40x65 mm
Cable length: 460 mm

Type: 4 LED
Colour: Black
Material/ bracket: Stainless steel
Material/house: Aluminium
Material/lens: Polycarbonate
Reflector system: Flood
Shape: Oblong
Switch: w/o
2 poles: w/
Tightness norm: IP 69K
Approval: ECE R10

172136 LED Work Lamp — Std pkg 1



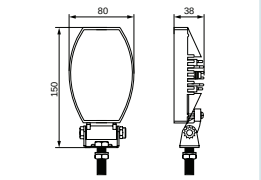


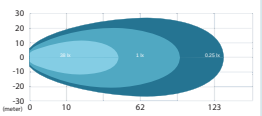
Voltage: 10-60
Watt: 30
Kelvin: 6000
Lumen: 2400

Dim.: 215x40x65 mm
Cable length: 460 mm

Type: 6 LED
Colour: Black
Material/ bracket: Stainless steel
Material/house: Aluminium
Material/lens: Polycarbonate
Reflector system: Flood
Shape: Oblong
Switch: w/o
2 poles: w/
Tightness norm: IP 69K
Approval: ECE R10

172143 LED Work Lamp — Std pkg 1





Voltage: 10-30
Watt: 15
Kelvin: 6000
Lumen: 1426

Dim.: 150x80x38 mm

Type: 10 LED
Colour: Black
Material/ bracket: Stainless steel
Material/house: Cast aluminum
Material/lens: Polycarbonate
Reflector system: Flood
Shape: Rectangular
Switch: w/o
2 poles: w/
Tightness norm: IP 67
Approval: ECE R10

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

172191 LED Work Lamp — Std pkg 1

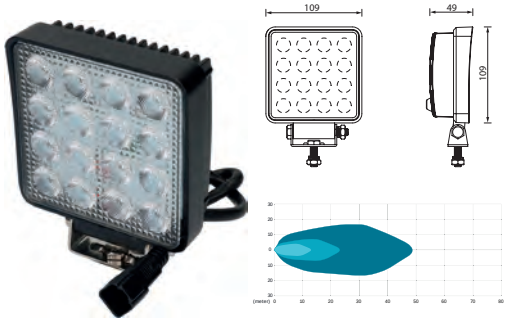
Servicing: John Deere - Visit our web catalogue for further information

Voltage: 10-30
Watt: 40
Kelvin: 6000
Lumen: 3200

Dim.: 170x82x80 mm
Cable length: 460 mm

Type: 8 LED
Colour: Black
Material/ bracket: Cast aluminum
Material/house: Cast aluminum
Material/lens: Polycarbonate
Reflector system: Flood
Shape: Oval
Switch: w/o
2 poles: w/
Tightness norm: IP 69K
Approval: ECE R10

172232 LED Work Lamp — Std pkg 1

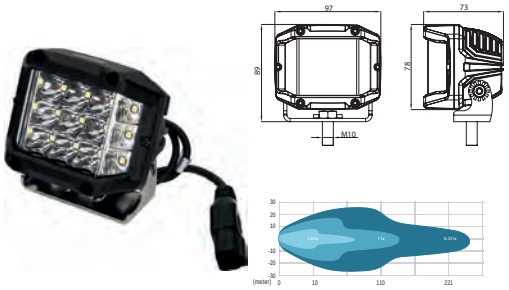


Voltage: 10-80
Watt: 45
Kelvin: 6000
Lumen: 3360

Dim.: 109x109x48.5 mm
Cable length: 450 mm

Type: 16 LED
Colour: Black
Material/ bracket: Cast aluminum
Material/house: Cast aluminum
Material/lens: Polycarbonate
Reflector system: Flood
Shape: Square
Switch: w/o
Mount. bracket: U-bracket w/ 1 bolt
2 poles: w/
Tightness norm: IP 67
Approval: ECE R10
Alternativ no.: 172001

172260 LED Work Lamp — Std pkg 1

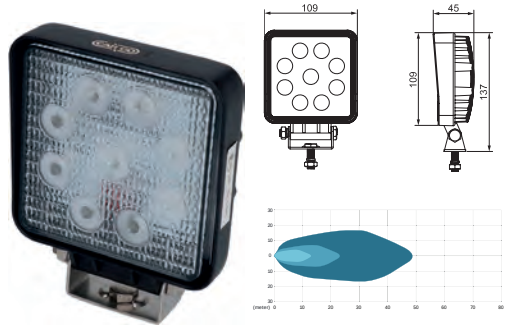


Voltage: 10-30
Amp: 1.69/0.84
Watt: 22.5
Kelvin: 6000
Lumen: 2850

Dim.: 97x78x73 mm
Cable length: 500 mm

Type: 15 LED
Bulb type: 15 LED
Colour: Black
Material/house: Cast aluminum
Material/lens: Polycarbonate
Reflector system: Combo
Shape: Square
Switch: w/o
2 poles: w/
Tightness norm: IP 67
Approval: ECE R10

172262* LED Work Lamp — Std pkg 1



Voltage: 10-30
Watt: 27
Kelvin: 6000
Lumen: 2100

Dim.: 110x110x42 mm
Cable length: 300 mm

Type: 9 LED
Colour: Black
Material/ bracket: Cast aluminum
Material/house: Cast aluminum
Material/lens: PMMA
Reflector system: Flood
Shape: Square
Switch: w/o
Mount. bracket: Single bolt fixing
2 poles: w/o
Tightness norm: IP 67
Approval: ECE R10

172263* LED Work Lamp — Std pkg 1

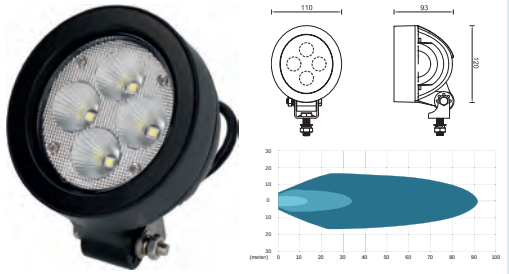
Voltage: 10-30
Watt: 27
Kelvin: 6000
Lumen: 2100

Dim.: 116x116x43 mm
Cable length: 300 mm

Type: 9 LED
Colour: Black
Material/ bracket: Cast aluminum
Material/house: Cast aluminum
Material/lens: PMMA
Reflector system: Flood
Shape: Round
Switch: w/o
Mount. bracket: Single bolt fixing
2 poles: w/o
Tightness norm: IP 67
Approval: ECE R10

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

172269* LED Work Lamp — Std pkg 1 — **Servicing:** John Deere - Visit our web catalogue for further information

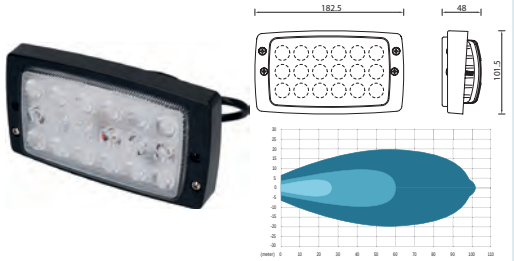


Voltage: 10-30
Watt: 40
Kelvin: 6000
Lumen: 4000

Dim.: 110x93x120 mm
Cable length: 540 mm

Type: CREE
Bulb type: 4 LED
Colour: Black
Material/ bracket: Stainless steel
Material/house: Cast aluminum
Material/lens: Polycarbonate
Reflector system: Flood
Shape: Round
Switch: w/o
Mount. bracket: 1 bolt
2 poles: w/
Tightness norm: IP 68/69K
Approval: ECE R10

172270* LED Work Lamp — Std pkg 1 — **Servicing:** Fendt - Visit our web catalogue for further information

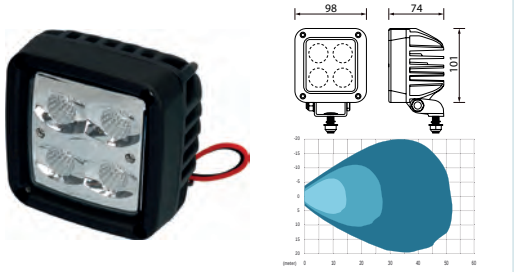


Voltage: 10-30
Watt: 27
Kelvin: 6000
Lumen: 3375

Dim.:
182.5x48x101.5 mm

Type: Osram
Bulb type: 18 LED
Colour: Black
Material/ bracket: Cast aluminum
Material/house: Polyamid
Material/lens: Polycarbonate
Reflector system: Combo
Shape: Rectangular
Switch: w/o
Mount. bracket: Built-in
2 poles: w/o
Tightness norm: IP 69K
Approval: ECE R10

172292* LED Work Lamp — Std pkg 1



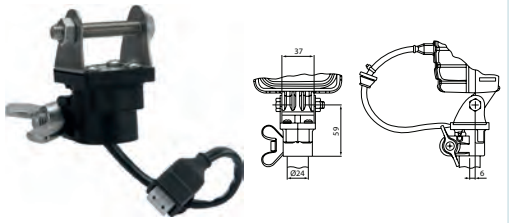
Voltage: 10-30
Watt: 40
Kelvin: 6000
Lumen: 4000

Dim.: 101x98x74 mm

Type: 4 LED
Bulb type: LED
Colour: Black
Material/ bracket: Stainless steel
Material/house: Aluminium
Material/lens: Polycarbonate
Reflector system: Flood
Shape: Square
Switch: w/o
Mount. bracket: 1 bolt
2 poles: w/
Tightness norm: IP 68/69K
Approval: ECE-R10, CISPR 25 Class 5

ACCESSORIES

172005 Bracket — Std pkg 1 — **Servicing:** HC-CARGO 171955, 172003, 172004



Dim.: 59x37 mm
Mount. hole size:
24 mm

Material: Plastic
Mount.: Standard ISO A - Rod

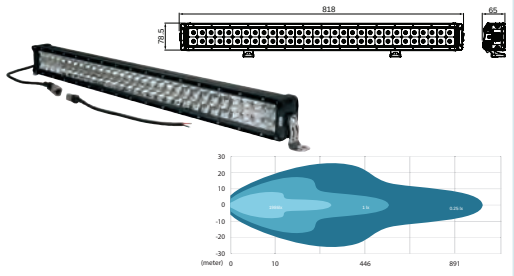
172008 Handle for LED Work Lamp — Std pkg 1 — **Servicing:** HC-CARGO 171948, 171949, 171950, 171951, 172001

Colour: Black
Material/ bracket: Aluminium
Mount. bracket: 2 screws

WORK LIGHT BARS LED

170099 LED Work light bar — Std pkg 1

ATP Connector: HC-CARGO 193367, 193368. Mounting Bracket Kit: HC-CARGO 172201, 172202. Numberplate Holder: HC-CARGO 172291.



Voltage: 12/24
Watt: 180
Kelvin: 6000
Lumen: 16200

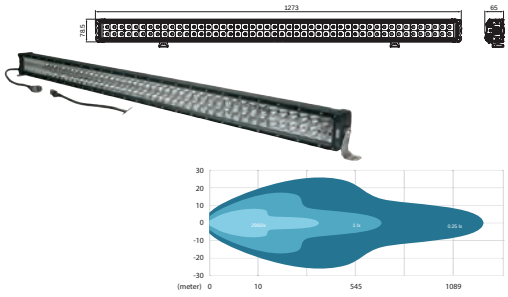
Dim.: 818x78x65 mm
Cable length: 500 mm

Type: 60 LED
Colour: Black
Material/ bracket: Aluminium
Material/house: Cast aluminum
Material/lens: Polycarbonate
Reflector system: Combo
Shape: Straight
Mount. bracket: Sidemounted/Plan installation
2 poles: w/
Male/female: Male/female
Tightness norm: IP 67
Approval: ECE R10
Alternativ no.: 172279

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

170101 LED Work light bar — Std pkg 1

ATP Connector: HC-CARGO 193367, 193368. Mounting Bracket Kit: HC-CARGO 172201, 172202.



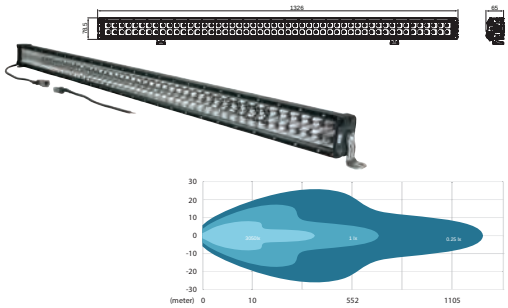
Voltage: 12/24
Watt: 288
Kelvin: 6000
Lumen: 25920
Lux: 9500

Dim.: 1273x78x65 mm
Cable length: 500 mm

Type: 96 LED
Colour: Black
Material/ bracket: Aluminium
Material/house: Cast aluminum
Material/lens: Polycarbonate
Reflector system: Combo
Shape: Straight
Mount. bracket: Sidemounted/Plan installation
2 poles: w/
Male/female: Male/female
Tightness norm: IP 67
Approval: ECE R10
Alternativ no.: 172281

170102 LED Work light bar — Std pkg 1

ATP Connector: HC-CARGO 193367, 193368. Mounting Bracket Kit: HC-CARGO 172201, 172202.



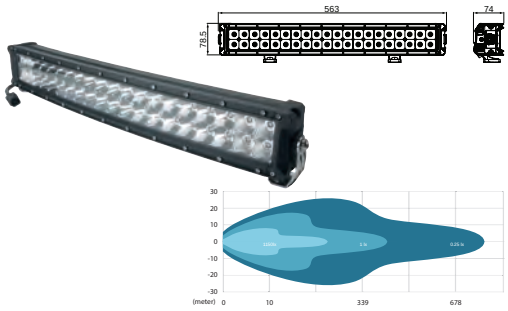
Voltage: 10-30
Watt: 300
Kelvin: 6000
Lumen: 27000

Dim.: 1326x78x65 mm
Cable length: 500 mm

Type: 100 LED
Colour: Black
Material/ bracket: Aluminium
Material/house: Cast aluminum
Material/lens: Polycarbonate
Reflector system: Combo
Shape: Straight
Mount. bracket: Sidemounted/Plan installation
2 poles: w/
Male/female: Male/female
Tightness norm: IP 67
Approval: ECE R10

170103 LED Work light bar — Std pkg 1

DT Connector: HC-CARGO 193365, 193366. Mounting Bracket Kit: HC-CARGO 172201, 172202. Numberplate Holder: HC-CARGO 172291.



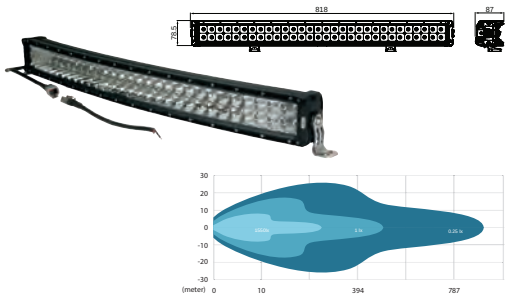
Voltage: 10-30
Amp: 6.6/3.4
Watt: 120
Kelvin: 5700
Lumen: 10800
Lux: 1150

Dim.: 563x74x78.5 mm
Cable length: 500 mm

Type: 40 LED
Colour: Black
Material/ bracket: Aluminium
Material/house: Cast aluminum
Material/lens: Polycarbonate
Reflector system: Combo
Shape: Curved
Mount. bracket: Sidemounted/Plan installation
2 poles: w/
Male/female: Male/female
Tightness norm: IP 67
Approval: ECE R10
Alternativ no.: 172077, 172284

170104 LED Work light bar — Std pkg 1

ATP Connector: HC-CARGO 193367, 193368. Mounting Bracket Kit: HC-CARGO 172201, 172202. Numberplate Holder: HC-CARGO 172291.



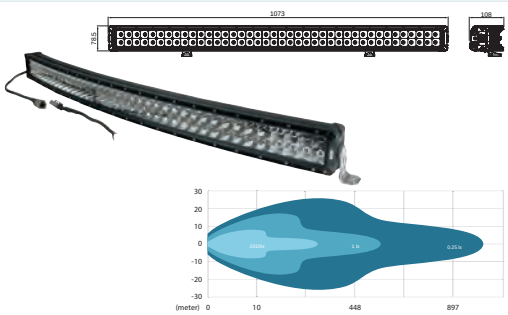
Voltage: 10-30
Amp: 9.28/4.62
Watt: 180
Kelvin: 5700
Lumen: 16200
Lux: 1550

Dim.: 818x87x78.5 mm
Cable length: 500 mm

Type: 60 LED
Colour: Black
Material/ bracket: Aluminium
Material/house: Cast aluminum
Material/lens: Polycarbonate
Reflector system: Combo
Shape: Curved
Mount. bracket: Sidemounted/Plan installation
2 poles: w/
Male/female: Male/female
Tightness norm: IP 67
Approval: ECE R10
Alternativ no.: 172285

170105 LED Work light bar — Std pkg 1

ATP Connector: HC-CARGO 193367, 193368. Mounting Bracket Kit: HC-CARGO 172201, 172202.



Voltage: 10-30
Amp: 12.8/6.35
Watt: 240
Kelvin: 5700
Lumen: 21600

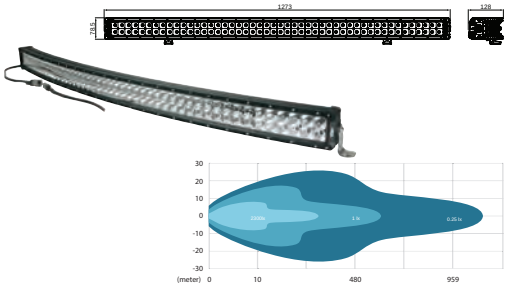
Dim.:
1073x108x78.5 mm
Cable length: 500 mm

Type: 80 LED
Colour: Black
Material/ bracket: Aluminium
Material/house: Cast aluminum
Material/lens: Polycarbonate
Reflector system: Combo
Shape: Curved
Mount. bracket: Sidemounted/Plan installation
2 poles: w/
Male/female: Male/female
Tightness norm: IP 67
Approval: ECE R10
Alternativ no.: 172079

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

170106 LED Work light bar Std pkg 1

ATP Connector: HC-CARGO 193367, 193368. Mounting Bracket Kit: HC-CARGO 172201, 172202.



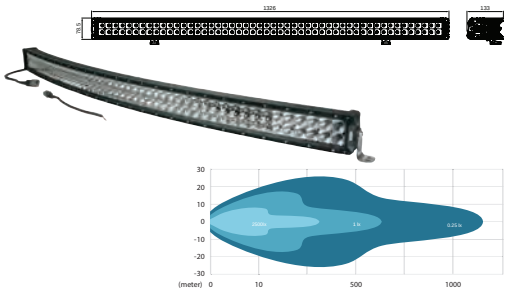
Voltage: 10-30
Amp: 16.08/7.83
Watt: 288
Kelvin: 5700
Lumen: 25920

Dim.:
1273x128x78.5 mm
Cable length: 500 mm

Type: 96 LED
Colour: Black
Material/ bracket: Aluminium
Material/house: Cast aluminum
Material/lens: Polycarbonate
Reflector system: Combo
Shape: Curved
Mount. bracket: Sidemounted/Plan installation
2 poles: w/
Male/female: Male/female
Tightness norm: IP 67
Approval: ECE R10
Alternativ no.: 172080

170107 LED Work light bar Std pkg 1

ATP Connector: HC-CARGO 193367, 193368. Mounting Bracket Kit: HC-CARGO 172201, 172202.



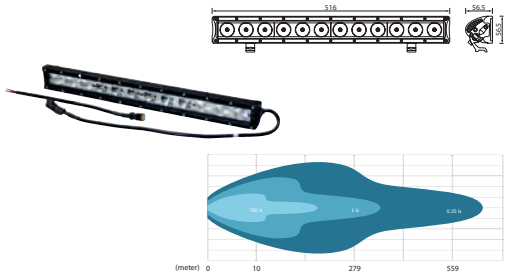
Voltage: 10-30
Amp: 18.8/9.4
Watt: 300
Kelvin: 5700
Lumen: 27000

Dim.:
1326x133x78.5 mm
Cable length: 500 mm

Type: 100 LED
Colour: Black
Material/ bracket: Aluminium
Material/house: Cast aluminum
Material/lens: Polycarbonate
Reflector system: Combo
Shape: Curved
Mount. bracket: Sidemounted/Plan installation
2 poles: w/
Male/female: Male/female
Tightness norm: IP 67
Approval: ECE R10

172082 LED Work light bar Std pkg 1

DT Connector: HC-CARGO 193365, 193366.



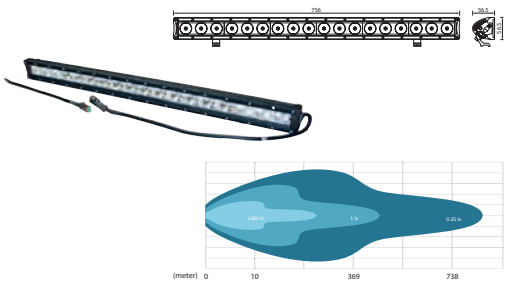
Voltage: 10-30
Watt: 36
Kelvin: 6000
Lumen: 3240

Dim.:
516x56.5x56.5 mm
Cable length: 500 mm

Type: 12 LED
Colour: Black
Material/ bracket: Aluminium
Material/house: Aluminium
Material/lens: Polycarbonate
Reflector system: Combo
Shape: Straight
Mount. bracket: Vertical
2 poles: w/
Male/female: Male/female
Tightness norm: IP 67
Approval: ECE R10
E-approval: No
Alternativ no.: 172275

172083 LED Work light bar Std pkg 1

DT Connector: HC-CARGO 193365, 193366.



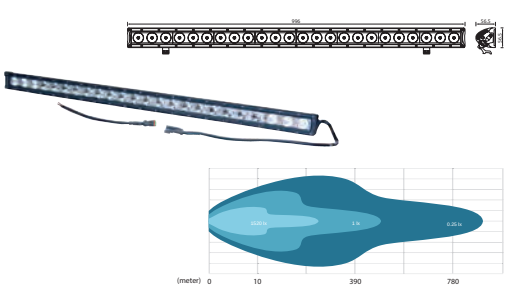
Voltage: 10-30
Watt: 54
Kelvin: 6000
Lumen: 4860

Dim.:
756x56.5x56.5 mm
Cable length: 500 mm

Type: 18 LED
Colour: Black
Material/ bracket: Aluminium
Material/house: Aluminium
Material/lens: Polycarbonate
Reflector system: Combo
Shape: Straight
Mount. bracket: Vertical
2 poles: w/
Male/female: Male/female
Tightness norm: IP 67
Approval: ECE R10
E-approval: No
Alternativ no.: 172276

172084 LED Work light bar Std pkg 1

DT Connector: HC-CARGO 193365, 193366.



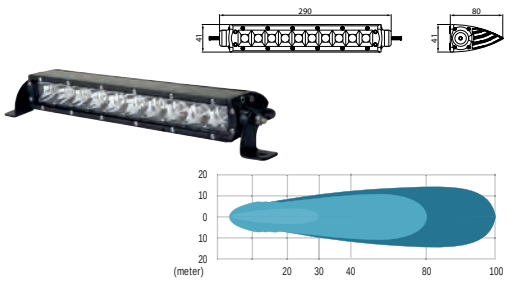
Voltage: 10-30
Watt: 72
Kelvin: 6000
Lumen: 6480

Dim.:
996x56.5x56.5 mm
Cable length: 500 mm

Type: 24 LED
Colour: Black
Material/ bracket: Aluminium
Material/house: Aluminium
Material/lens: Polycarbonate
Reflector system: Combo
Shape: Straight
Mount. bracket: Vertical
2 poles: w/
Male/female: Male/female
Tightness norm: IP 67
Approval: ECE R10
E-approval: No
Alternativ no.: 172277

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

172095 LED Work light bar — Std pkg 1

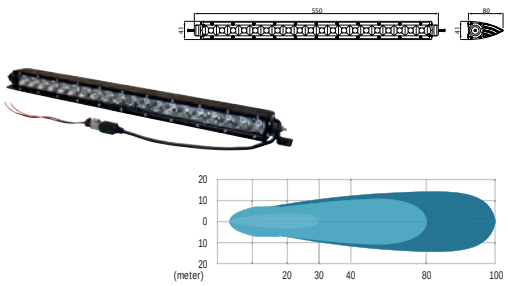


Voltage: 10-30
Amp: 3.2/1.6
Watt: 50
Kelvin: 6000
Lumen: 4000

Dim.: 290x80x41 mm
Cable length: 500 mm

Type: 10 LED
Inclination/downwards: 90°
Inclination/upwards: 15°
Colour: Black
Material/ bracket: Stainless steel
Material/house: Aluminium
Material/lens: Polycarbonate
Reflector system: Spot
Shape: Straight
Mount.: Upright/pendant
Mount. bracket: Sidemounted
2 poles: w/
Male/female: Male/female
Tightness norm: IP 67
Approval: ECE R10
E-approval: No

172096 LED Work light bar — Std pkg 1

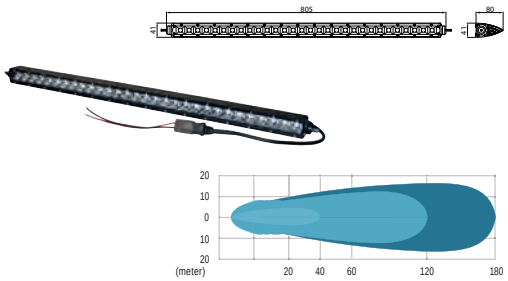


Voltage: 10-30
Amp: 6.25/3.125
Watt: 100
Kelvin: 6000
Lumen: 8000

Dim.: 550x80x41 mm
Cable length: 500 mm

Type: 20 LED
Inclination/downwards: 90°
Inclination/upwards: 15°
Colour: Black
Material/ bracket: Stainless steel
Material/house: Aluminium
Material/lens: Polycarbonate
Reflector system: Spot
Shape: Straight
Mount.: Upright/pendant
Mount. bracket: Sidemounted
2 poles: w/
Male/female: Male/female
Tightness norm: IP 67
Approval: ECE R10
E-approval: No

172097 LED Work light bar — Std pkg 1

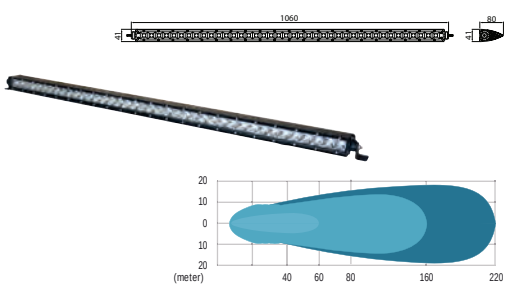


Voltage: 10-30
Amp: 9.45/4.7
Watt: 150
Kelvin: 6000
Lumen: 12000

Dim.: 805x80x41 mm
Cable length: 500 mm

Type: 30 LED
Inclination/downwards: 90°
Inclination/upwards: 15°
Colour: Black
Material/ bracket: Stainless steel
Material/house: Aluminium
Material/lens: Polycarbonate
Reflector system: Spot
Shape: Straight
Mount.: Upright/pendant
Mount. bracket: Sidemounted
Male/female: Male/female
Tightness norm: IP 67
Approval: ECE R10
E-approval: No

172098 LED Work light bar — Std pkg 1



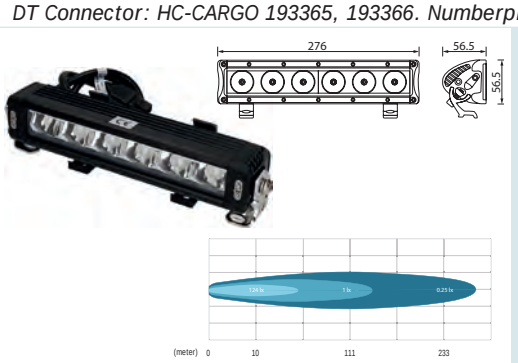
Voltage: 10-30
Amp: 12.5/6.25
Watt: 200
Kelvin: 6000
Lumen: 16000

Dim.: 1060x80x41 mm
Cable length: 500 mm

Type: 40 LED
Inclination/downwards: 90°
Inclination/upwards: 15°
Colour: Black
Material/ bracket: Stainless steel
Material/house: Aluminium
Material/lens: Polycarbonate
Reflector system: Spot
Shape: Straight
Mount.: Upright/pendant
Mount. bracket: Sidemounted
2 poles: w/
Male/female: Male/female
Tightness norm: IP 67
Approval: ECE R10
E-approval: No

172274* LED Work light bar — Std pkg 1

DT Connector: HC-CARGO 193365, 193366. Numberplate Holder: HC-CARGO 172291.



Voltage: 10-30
Watt: 18
Kelvin: 5700
Lumen: 1620
Lux: 2000 @ 10 m

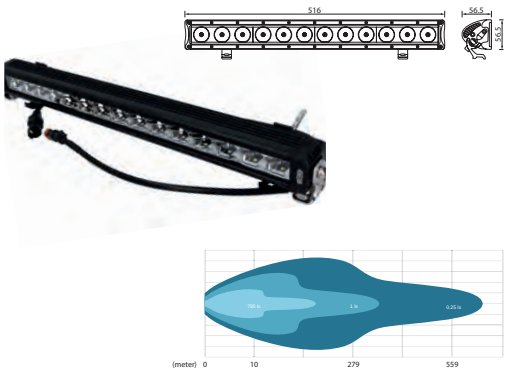
Dim.: 238x52x46 mm
Cable length: 500 mm

Type: 6 LED
Bulb type: Osram
Colour: Black
Material/ bracket: Alu/Steel
Material/house: Aluminium
Material/lens: Polycarbonate
Reflector system: Spot
Shape: Straight
Mount. bracket: Sidemounted/Plan installation
2 poles: w/
Male/female: Male/female
Tightness norm: IP 67
Approval: ECE R10
E-approval: No
Alternativ no.: 172081

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

172275* LED Work light bar Std pkg 1

DT Connector: HC-CARGO 193365, 193366. Numberplate Holder: HC-CARGO 172291.



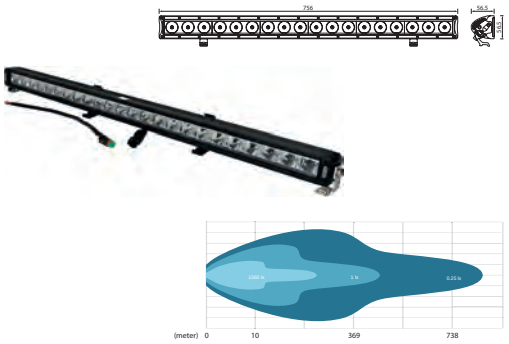
Voltage: 12/24
Watt: 45
Kelvin: 6000
Lumen: 4050
Lux: 2900 @ 10 m

Dim.: 526x52x45 mm
Cable length: 500 mm

Type: 15 LED
Bulb type: Osram
Colour: Black
Material/ bracket: Alu/Steel
Material/house: Aluminium
Material/lens: Polycarbonate
Reflector system: Combo
Shape: Straight
Mount. bracket: Sidemounted/Plan installation
2 poles: w/
Male/female: Male/female
Tightness norm: IP 67
Approval: ECE R10
E-approval: No
Alternativ no.: 172082

172276* LED Work light bar Std pkg 1

DT Connector: HC-CARGO 193365, 193366. Numberplate Holder: HC-CARGO 172291.



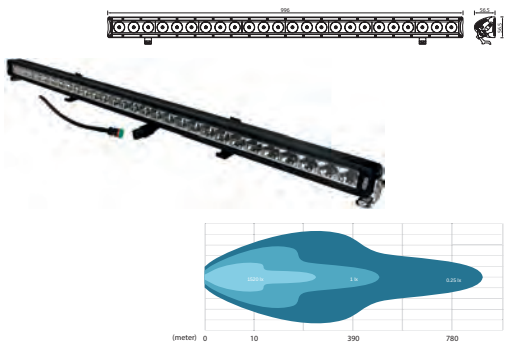
Voltage: 12/24
Watt: 72
Kelvin: 5700
Lumen: 6480
Lux: 3400 @ 10 m

Dim.: 814x52x45 mm
Cable length: 500 mm

Type: 24 LED
Bulb type: Osram
Colour: Black
Material/ bracket: Alu/Steel
Material/house: Aluminium
Material/lens: Polycarbonate
Reflector system: Combo
Shape: Straight
Mount. bracket: Sidemounted/Plan installation
2 poles: w/
Male/female: Male/female
Tightness norm: IP 67
Approval: CE/EMC
E-approval: No
Alternativ no.: 172083

172277* LED Work light bar Std pkg 1

DT Connector: HC-CARGO 193365, 193366. Numberplate Holder: HC-CARGO 172291.



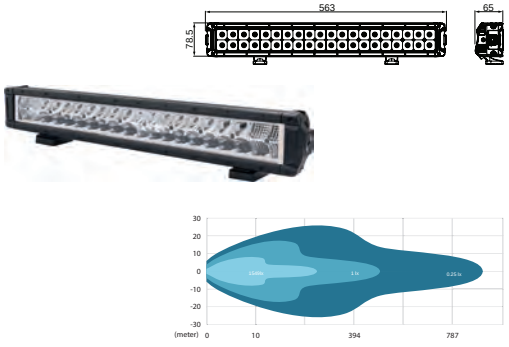
Voltage: 12/24
Watt: 90
Kelvin: 5700
Lumen: 8100
Lux: 5300 @ 10 m

Dim.: 1006x52x45 mm
Cable length: 500 mm

Type: 30 LED
Bulb type: Osram
Colour: Black
Material/ bracket: Alu/Steel
Material/house: Aluminium
Material/lens: Polycarbonate
Reflector system: Combo
Shape: Straight
Mount. bracket: Sidemounted/Plan installation
2 poles: w/
Male/female: Male/female
Tightness norm: IP 67
Approval: CE/EMC
E-approval: No
Alternativ no.: 172084

172278* LED Work light bar Std pkg 1

Mounting Bracket Kit: HC-CARGO 172282, 172202. Numberplate Holder: HC-CARGO 172291.



Voltage: 12/24
Watt: 120
Kelvin: 600
Lumen: 10800
Lux: 4050

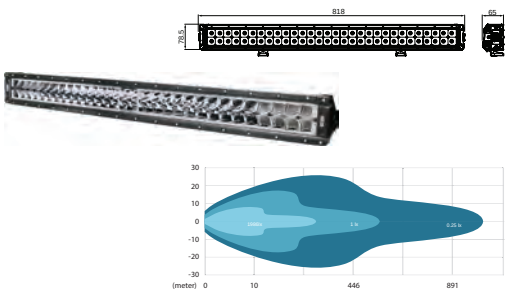
Dim.: 563x58x78 mm
Cable length: 500 mm

Type: 40 LED
Colour: Black
Material/ bracket: Aluminium
Material/house: Cast aluminum
Material/lens: Polycarbonate
Reflector system: Combo
Shape: Straight
Mount. bracket: Sidemounted/Plan installation
2 poles: w/
Male/female: Male/female
Tightness norm: IP 67
Approval: CE/EMC
Alternativ no.: 170098

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

172279* LED Work light bar Std pkg 1

Mounting Bracket Kit: HC-CARGO 172282, 172202. Numberplate Holder: HC-CARGO 172291.



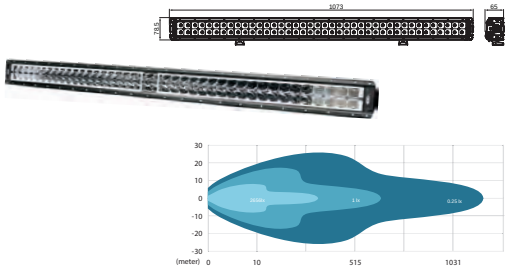
Voltage: 12/24
Watt: 180
Kelvin: 6000
Lumen: 16200

Dim.: 818x58x78 mm
Cable length: 500 mm

Type: 60 LED
Colour: Black
Material/ bracket: Aluminium
Material/house: Cast aluminum
Material/lens: Polycarbonate
Reflector system: Combo
Shape: Straight
Mount. bracket: Sidemounted/Plan installation
2 poles: w/
Male/female: Male/female
Tightness norm: IP 67
Approval: CE/EMC
Alternativ no.: 170099

172280* LED Work light bar Std pkg 1

Mounting Bracket Kit: HC-CARGO 172282, 172202. Numberplate Holder: HC-CARGO 172291.



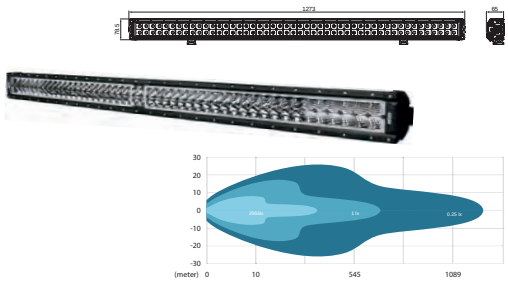
Voltage: 12/24
Watt: 240
Kelvin: 6000
Lumen: 21600
Lux: 7500

Dim.: 1073x58x78 mm
Cable length: 500 mm

Type: 80 LED
Colour: Black
Material/ bracket: Aluminium
Material/house: Cast aluminum
Material/lens: Polycarbonate
Reflector system: Combo
Shape: Straight
Mount. bracket: Sidemounted/Plan installation
2 poles: w/
Male/female: Male/female
Tightness norm: IP 67
Approval: CE/EMC
Alternativ no.: 170100

172281* LED Work light bar Std pkg 1

Mounting Bracket Kit: HC-CARGO 172282, 172202. Numberplate Holder: HC-CARGO 172291.

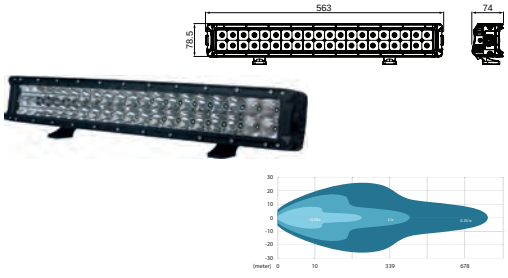


Voltage: 12/24
Watt: 288
Kelvin: 6000
Lumen: 25920
Lux: 9500

Dim.: 1277x58x78 mm
Cable length: 500 mm

Type: 96 LED
Colour: Black
Material/ bracket: Aluminium
Material/house: Cast aluminum
Material/lens: Polycarbonate
Reflector system: Combo
Shape: Straight
Mount. bracket: Sidemounted/Plan installation
2 poles: w/
Male/female: Male/female
Tightness norm: IP 67
Approval: CE/EMC
Alternativ no.: 170101

172284* LED Work light bar Std pkg 1

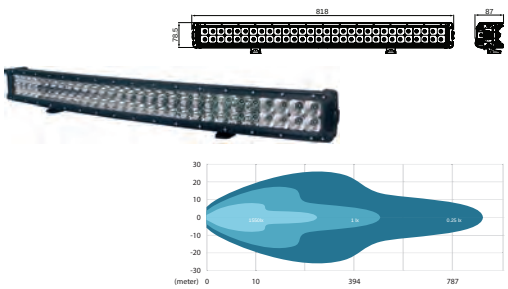


Voltage: 10-30
Amp: 6.6/3.4
Watt: 120
Kelvin: 5700
Lumen: 10800
Lux: 1150

Dim.: 563x65x78.6 mm
Cable length: 500 mm

Type: 40 LED
Colour: Black
Material/ bracket: Aluminium
Material/house: Cast aluminum
Material/lens: Polycarbonate
Reflector system: Combo
Shape: Curved
Mount. bracket: Sidemounted/Plan installation
2 poles: w/
Male/female: Male/female
Tightness norm: IP 67
Approval: CE/EMC
Alternativ no.: 170103

172285* LED Work light bar Std pkg 1



Voltage: 10-30
Amp: 9.28/4.62
Watt: 180
Kelvin: 5700
Lumen: 16200
Lux: 1550

Dim.: 818x65x78.6 mm
Cable length: 500 mm

Type: 60 LED
Colour: Black
Material/ bracket: Aluminium
Material/house: Cast aluminum
Material/lens: Polycarbonate
Reflector system: Combo
Shape: Curved
Mount. bracket: Sidemounted/Plan installation
2 poles: w/
Male/female: Male/female
Tightness norm: IP 67
Approval: CE/EMC
Alternativ no.: 170104

ACCESSORIES

172291* Numberplate holder — Std pkg 1

Servicing: HC-CARGO 170098, 170099, 170103, 170104, 172059, 172144, 172212, 172237, 172274, 172275, 172276, 172277, 172278, 172279

Length: 450 mm
Height: 89.5 mm
Thickness: 2.7 mm
Width: 49.5 mm

No./mounting holes: 2 (2)

SPARE PARTS

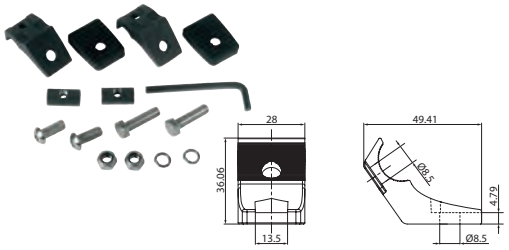
172116 Mounting Bracket Kit — Std pkg 1

Servicing: HC-CARGO 172077, 172078, 172079, 172080

172201 Mounting Bracket Kit — Std pkg 1

Servicing: HC-CARGO 170098, 170099, 170100, 170101, 170102, 170103, 170104, 170105, 170106, 172107

Plan installation.

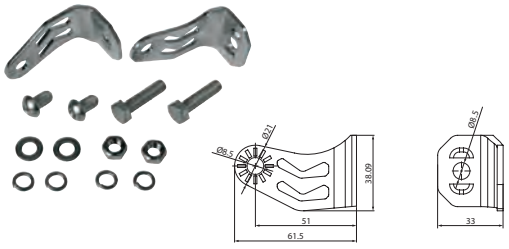


Total length: 49.41 mm
Height: 36.06 mm
Width: 28 mm

172202 Mounting Bracket Kit — Std pkg 1

Servicing: HC-CARGO 170098, 170099, 170100, 170101, 170102, 170103, 170104, 170105, 170106, 172107

Sidemounted.



Total length: 33 mm
Height: 61.5 mm
Width: 38.09 mm

172282* Mounting Bracket Kit — Std pkg 1

172298* Mounting Bracket Kit — Std pkg 1

Servicing: HC-CARGO 172274, 172275, 172276, 172277

NEW PRODUCT
www.hc-cargo.com

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

172299* Mounting Bracket Kit — Std pkg 1

Servicing: HC-CARGO 172274, 172275, 172276, 172277

NEW PRODUCT
www.hc-cargo.com

193365 DT Connector — Std pkg 1

Servicing: HC-CARGO 172077, 172081, 172082, 172083, 172084, 172092, 172093, 172102

Cable length: 300 mm

Male/female: Male

193366 DT Connector — Std pkg 1

Servicing: HC-CARGO 172077, 172081, 172082, 172083, 172084, 172092, 172093, 172102

Cable length: 100 mm

Male/female: Female

193367 ATP Connector — Std pkg 1

Servicing: HC-CARGO 172078, 172079, 172080

Male/female: Male

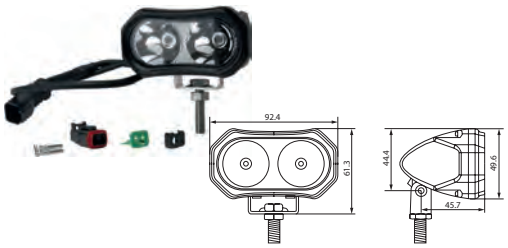
193368 ATP Connector — Std pkg 1

Servicing: HC-CARGO 172078, 172079, 172080

Male/female: Female

SPOT LIGHTS LED

172053 LED Blue Spot — Std pkg 1

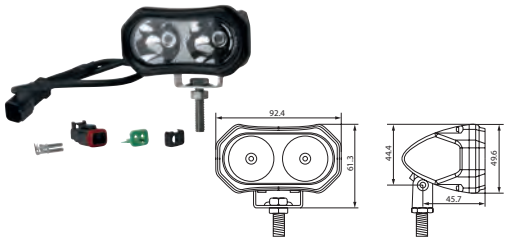


Voltage: 10-80
Amp: 0.5/0.25
Watt: 6
Lumen: 540

Dim.:
92.4x49.6x45.7 mm
Cable length: 500 mm

Type: 2 LED
Colour: Blue
Material/ bracket: Stainless steel
Material/house: Cast aluminum
Material/lens: Polycarbonate
Reflector system: Spot
Shape: Rectangular
Switch: w/o
Mount. bracket: U-bracket w/ 1 bolt
2 poles: w/
Tightness norm: IP 69K
Approval: CE

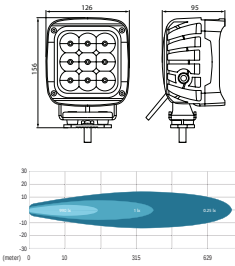
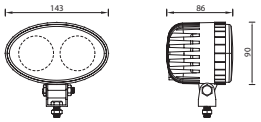
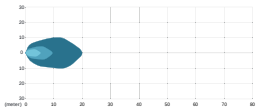
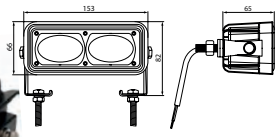
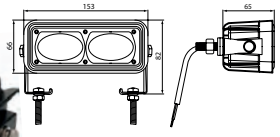
172054 LED Red Spot — Std pkg 1



Voltage: 10-80
Amp: 0.5/0.25
Watt: 6
Lumen: 540

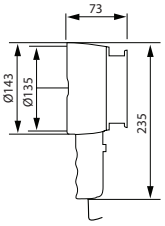
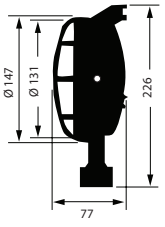
Dim.:
92.4x49.6x45.7 mm
Cable length: 500 mm

Type: 2 LED
Colour: Red
Material/ bracket: Stainless steel
Material/house: Cast aluminum
Material/lens: Polycarbonate
Reflector system: Spot
Shape: Rectangular
Switch: w/o
Mount. bracket: U-bracket w/ 1 bolt
2 poles: w/
Tightness norm: IP 69K
Approval: CE

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
172185 LED Blue Spot Std pkg 1			
	**Voltage:** 10-30 **Amp:** 2.14/1.07 **Watt:** 45 **Lumen:** 4050	**Dim.:** 156x126x95 mm **Cable length:** 500 mm	**Type:** 10 LED **Colour:** Blue **Material/ bracket:** Stainless steel **Material/house:** Cast aluminum **Material/lens:** Polycarbonate **Reflector system:** Spot **Shape:** Rectangular **Switch:** w/o **Mount. bracket:** U-bracket w/ 1 bolt **2 poles:** w/ **Tightness norm:** IP 67 **Approval:** ECE R10
172228 LED Blue Spot Std pkg 1			
 	**Voltage:** 10-80 **Watt:** 8 **Lumen:** 640	**Dim.:** 143x90x86 mm **Cable length:** 350 mm	**Type:** 2 LED **Colour:** Blue **Material/ bracket:** Stainless steel **Material/house:** Cast aluminum **Material/lens:** Polycarbonate **Reflector system:** Spot **Shape:** Oval **Mount. bracket:** U-bracket w/ 1 bolt **2 poles:** w/ **Tightness norm:** IP 67 **Approval:** ECE R10
172258 LED Zone light red Std pkg 1			
Beam shape: Line.			
	**Voltage:** 10-80 **Watt:** 18 **Lumen:** 1440	**Length:** 153 mm **Cable length:** 350 mm **Height:** 66 mm **Width:** 65 mm	**Bulb type:** 6 LED **Lens type:** Polycarbonate **Colour:** Red **Material:** Cast aluminum **Waterproof:** Yes **Tightness norm:** IP 69K **Approval:** EMC **E-approval:** No
172261 LED Zone light blue Std pkg 1			
Beam shape: Line.			
	**Voltage:** 10-80 **Watt:** 18 **Lumen:** 1440	**Length:** 153 mm **Cable length:** 350 mm **Height:** 66 mm **Width:** 65 mm	**Bulb type:** 6 LED **Lens type:** Polycarbonate **Colour:** Blue **Material:** Cast aluminum **Waterproof:** Yes **Tightness norm:** IP 69K **Approval:** EMC **E-approval:** No

SEARCH LIGHTS

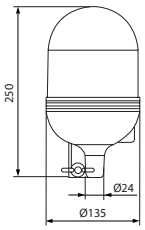
CONVENTIONAL

170293 Spot Light Std pkg 1			
Hand-held.			
	**Bulb incl.:** Yes **Voltage:** 12 **Watt:** 55	**Dim.:** 235x73 mm **Cable length:** 6000 mm **Light aperture:** 120 mm	**Bulb type:** H3 **Socket type:** PK22s **Colour:** Black **Material:** Shockproof plastic **Shape:** Round **Switch:** w/ **Protective cover:** w/
170564 Spot Light Std pkg 1			
	**Bulb incl.:** No	**Dim.:** 226x77 mm **Light aperture:** 131 mm	**Type:** H3 **Socket type:** PK22s **Inclination/sideways:** Yes **Colour:** Black **Material/house:** Shockproof plastic **Material/lens:** Glass **Switch:** w/ **Grill:** w/ **Handle:** w/

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

171464 Spot Light — Std pkg 1

Remote controlled by EU approved radio controller. Frequency 433.92 MHZ. Reach up to 100 m. Incl. 9 V battery. Battery: HC-CARGO 200742, 200769.



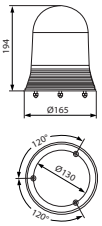
Bulb incl.: Yes
Voltage: 12
Amp: 4.6
Watt: 55

Dim.: 250x135 mm
OD: 135 mm

Bulb type: H1
Material: Shockproof plastic
Material/lens: Polycarbonate
Mount.: Standard ISO A - Rod
Tightness norm: IP 55
Approval: CE

171466 Spot Light — Std pkg 1

Remote controlled by EU approved radio controller. Frequency 433.92 MHZ. Reach up to 100 m. Incl. 9 V battery. Battery: HC-CARGO 200742, 200769. Beacon Socket: HC-CARGO 170653.

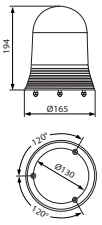


Bulb incl.: Yes
Voltage: 12
Amp: 4.6
Watt: 55

Dim.: 194x165 mm
OD: 160 mm

Bulb type: H1
Colour: Black
Material: Shockproof plastic
Material/lens: Polycarbonate
Mount.: Standard ISO B2 (and B1) - Base
Tightness norm: IP 55

172233 Spot Light — Std pkg 1



Bulb incl.: Yes
Voltage: 12
Amp: 4.6
Watt: 55

Dim.: 194x165 mm
OD: 160 mm
Cable length: 2500 mm

Bulb type: H1
Colour: Black
Material: Shockproof plastic
Material/lens: Polycarbonate
Mount.: Standard ISO B2 (and B1) - Base
Tightness norm: IP 55
Approval: ECE R10

ACCESSORIES

170653 Beacon Socket — Std pkg 1 — **Servicing:** HC-CARGO 170650, 170651, 171466

Cable length: 2000 mm
Height: 30 mm
Width: 168 mm

Mount.: 3 magnets
Base: Magnetic
Coiled cable incl.: Yes
Tightness norm: IP 55
E-approval: Yes

171936 Magnetic base for Lamps — Std pkg 1 — **Servicing:** HC-CARGO 170534

Coiled cable: 2000 mm

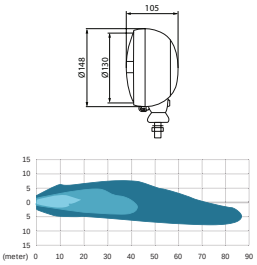
Colour: Black
Mount.: Magnetic
Mount. bracket: U-bracket w/ 2 holes
Magnet base: w/
Lighter plug incl.: Yes
Coiled cable incl.: Yes

FORWARD LIGHTING

TRACTOR HEAD LAMPS

170132 Head Lamp — Std pkg 1

Light unit: HC-CARGO 170239.



Bulb incl.: No
Watt: 45/40
Watt 2: 55/50
Watt 3: 4

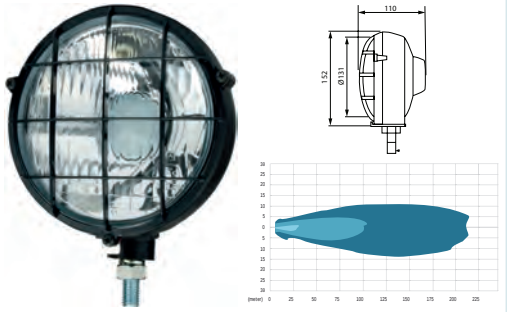
Dim.: 148x105 mm
Light aperture: 130 mm

Socket type: P45t
Socket type 2: P45t
Socket type 3: BA9s
Colour: Black
Material: Metal
Material/lens: Glass
Shape: Round
Mount.: 1 bolt
Position light: w/
Asymmetric light: w/
RH/LH: LH
E-approval: Yes

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

170310 Head Lamp — Std pkg 1

For upright fixing. Not p45t halogen.



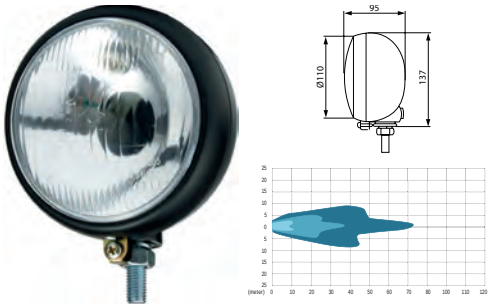
Bulb incl.: No
Watt: 45/40
Watt 2: 55/50
Watt 3: 4

Dim.: 152x110 mm
Light aperture:
131 mm

Socket type: P45t
Socket type 2: P45t
Socket type 3: BA9s
Colour: Black
Material: Plastic
Material/lens: Glass
Shape: Round
Mount.: Vertical
Position light: w/
Grill: w/
Asymmetric light: w/
RH/LH: RH/LH
E-approval: Yes

170843 Head Lamp — Std pkg 1

Light unit: HC-CARGO 170844.



Bulb incl.: No
Watt: 45/40
Watt 2: 55/50
Watt 3: 4

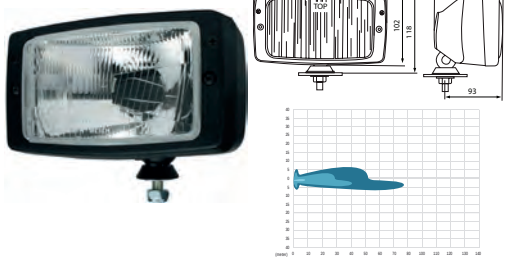
Dim.: 137x95 mm
Light aperture:
110 mm

Socket type: BA20d
Socket type 2: BA20d
Socket type 3: BA9s
Colour: Black
Material: Metal
Material/lens: Glass
Shape: Round
Mount.: 1 bolt
Position light: w/
Asymmetric light: w/o
RH/LH: RH/LH
E-approval: Yes

170865 Head Lamp — Std pkg 1

Servicing: Zetor: Model 2002, Proxima, Forterra, Super, Super Eko, Classic Eko - Visit our web catalogue for further information

Bulb Gasket: HC-CARGO 171937.

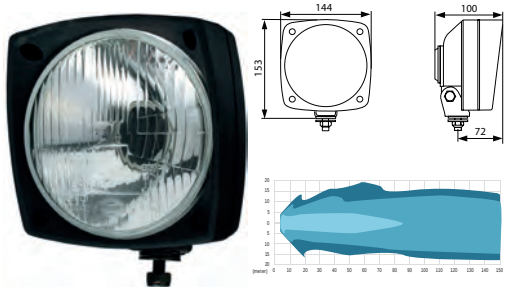


Bulb incl.: No
Watt: 60/55
Watt 2: 75/70

Dim.: 184x118x110 mm
Light aperture:
156 mm

Bulb type: H4
Bulb type 2: H4
Socket type: P43t
Socket type 2: P43t
Colour: Black
Material: Shockproof plastic
Material/lens: Glass
Shape: Rectangular
Mount.: Horizontal
Asymmetric light: w/
RH/LH: LH
E-approval: Yes

170974 Head Lamp — Std pkg 1



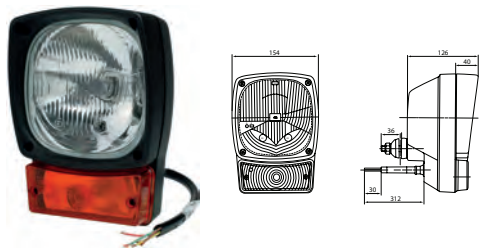
Bulb incl.: No
Watt: 60/65
Watt 2: 75/70

Dim.: 144x153x100 mm
Light aperture:
110 mm

Bulb type: H4
Bulb type 2: H4
Socket type: P43t
Socket type 2: P43t
Colour: Black
Material: Shockproof plastic
Material/lens: Glass
Shape: Rectangular
Mount.: Horizontal/vertical
Asymmetric light: w/
RH/LH: LH
E-approval: Yes

171006 Head Lamp — Std pkg 1

Light unit: HC-CARGO 171007. Lens: HC-CARGO 171008.



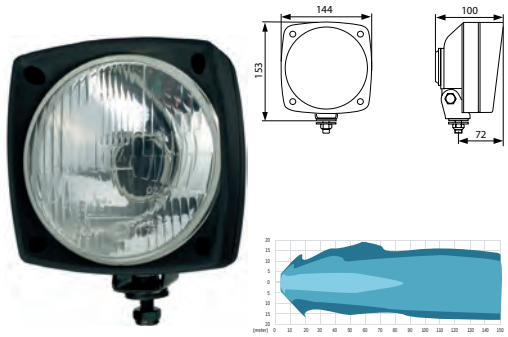
Bulb incl.: Yes
Voltage: 12
Watt: 60/55
Watt 2: 75/70

Dim.: 208x154x126 mm
Light aperture:
142 mm

Bulb type: H4
Bulb type 2: H4
Socket type: P43t
Socket type 2: P43t
Colour: Black
Material: Shockproof plastic
Material/lens: Glass
Shape: Rectangular
Mount.: Horizontal/vertical
Flasher light: w/
Position light: w/
Asymmetric light: w/
RH/LH: RH/LH
E-approval: Yes

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

171038 Head Lamp — Std pkg 1

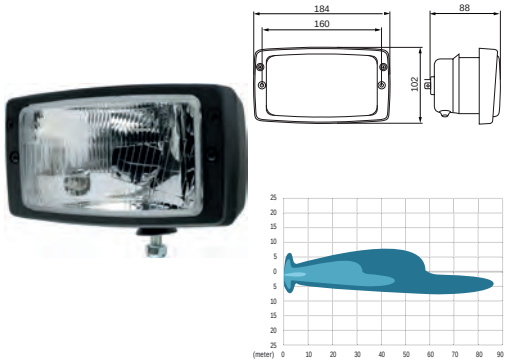


Bulb incl.: No
Watt: 60/65
Watt 2: 75/70
Watt 3: 4

Dim.: 144x153x100 mm
Light aperture:
110 mm

Bulb type: H4
Bulb type 2: H4
Socket type: P43t
Socket type 2: P43t
Socket type 3: BA9s
Colour: Black
Material: Shockproof plastic
Material/lens: Glass
Shape: Rectangular
Mount.: Horizontal/vertical
Position light: w/
Asymmetric light: w/
RH/LH: LH
E-approval: Yes

171565 Head Lamp — Std pkg 1



Bulb incl.: No
Watt: 60/55
Watt 2: 75/70
Watt 3: 4

Dim.: 184x102x88 mm
Light aperture:
160 mm

Bulb type: H4
Bulb type 2: H4
Socket type: P43t
Socket type 2: P43t
Socket type 3: BA9s
Colour: Black
Material: Shockproof plastic
Material/lens: Glass
Shape: Square
Mount.: Horizontal/vertical
Position light: w/
Asymmetric light: w/
RH/LH: RH/LH
E-approval: Yes

172192 Head Lamp — Std pkg 1

DT Connector: HC-CARGO 193355.

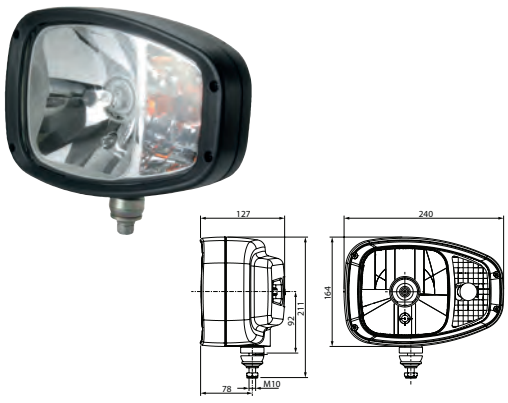
Bulb incl.: Yes
Voltage: 12/24
Watt: 60/55
Watt 2: 5
Watt 3: 21

Dim.: 240x164x127 mm

Bulb type: H4
Bulb type 2: W5W
Bulb type 3: PY21W
Socket type: P43t
Socket type 2: T10
Socket type 3: BAU15s
Colour: Black
Material: Shockproof plastic
Material/lens: Glass
Mount.: 1 bolt
Flasher light: w/
Position light: w/
Asymmetric light: w/
RH/LH: RH
Approval: SAE/ECE
E-approval: Yes
Alternativ no.: 172256

172193 Head Lamp — Std pkg 1

DT Connector: HC-CARGO 193355.



Bulb incl.: Yes
Voltage: 12/24
Watt: 60/55
Watt 2: 5
Watt 3: 21

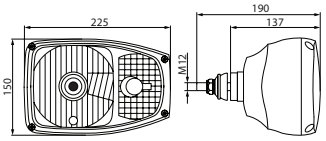
Dim.: 240x164x127 mm

Bulb type: H4
Bulb type 2: W5W
Bulb type 3: PY21W
Socket type: P43t
Socket type 2: T10
Socket type 3: BAU15s
Colour: Black
Material: Shockproof plastic
Material/lens: Glass
Mount.: 1 bolt
Flasher light: w/
Position light: w/
Asymmetric light: w/
RH/LH: LH
Approval: SAE/ECE
E-approval: Yes

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

172256 Head Lamp — Std pkg 1

DTM Connector: HC-CARGO 193355.



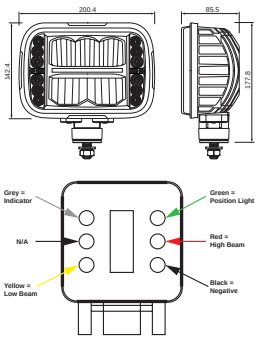
Bulb incl.: Yes
Voltage: 12
Watt: 60/55
Watt 2: 5
Watt 3: 21

Dim.: 225x190x150 mm

Bulb type: H4
Bulb type 2: W5W
Bulb type 3: PY21W
Socket type: P43t
Socket type 2: T10
Socket type 3: BAU15s
Colour: Black
Material: Plastic
Material/lens: Glass
Mount.: 1 bolt
Flasher light: w/
Position light: w/
RH/LH: RH/LH
Tightness norm: IP 66
E-approval: Yes
Alternativ no.: 172192

172283* LED Driving Lamp — Std pkg 1

Snow Plow/Tractor Headlamp w/ Hi/Lo beam, Position and Indicator light.



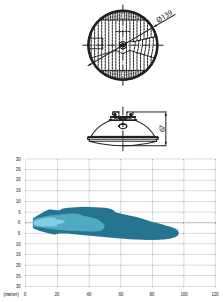
Voltage: 12/24
Watt: 30
Watt 2: 30
Kelvin: 6000
Lumen: 2000/4700

Dim.: 200.4x142.4x85.5 mm

Type: LED Driving lamp
Colour: Black
Material: Aluminium
Material/lens: Polycarbonate
Shape: Rectangular
Mount.: Horizontal/vertical
Flasher light: w/
Position light: w/
LEDs: w/
Asymmetric light: w/
RH/LH: RH/LH
Tightness norm: IP 67/IP 69K
Ref. no.: 17.5
Approval: ECE R112
E-approval: Yes

SPARE PARTS

170239 Light Unit — Std pkg 1 — **Servicing:** HC-CARGO 170132

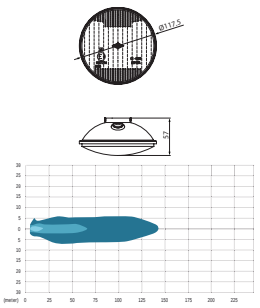


Bulb incl.: No
Watt: 45/40
Watt 2: 55/50
Watt 3: 4

Dim.: 139x67 mm
Light aperture: 130 mm

Socket type: P45t
Socket type 2: P45t
Socket type 3: BA9s
Material: Glass
Shape: Round
Position light: w/
Asymmetric light: w/
RH/LH: LH
E-approval: Yes

170844 Light Unit — Std pkg 1 — **Servicing:** HC-CARGO 170843

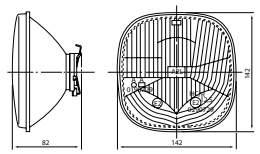


Bulb incl.: No
Watt: 45/40
Watt 2: 55/50
Watt 3: 4

Dim.: 117.5x57 mm
Light aperture: 110 mm

Socket type: BA20d
Socket type 2: BA20d
Socket type 3: BA9s
Shape: Round
Asymmetric light: w/o

171007 Light Unit — Std pkg 1 — **Servicing:** HC-CARGO 171006, 170926



Bulb incl.: No
Watt: 60/55
Watt 2: 75/70

Dim.: 142x142x82 mm
Light aperture: 142 mm

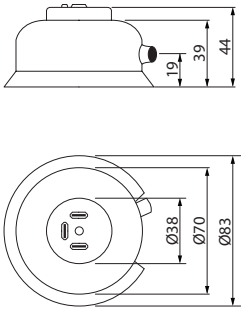
Bulb type: H4
Bulb type 2: H4
Socket type: P43t
Socket type 2: P43t
Material: Glass
Shape: Square
Asymmetric light: w/
E-approval: Yes

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

171008 Lens — Std pkg 1 — **Servicing:** HC-CARGO 171006, 170926

Colour: Orange

171937 Bulb Gasket — Std pkg 1 — **Servicing:** HC-CARGO 170865

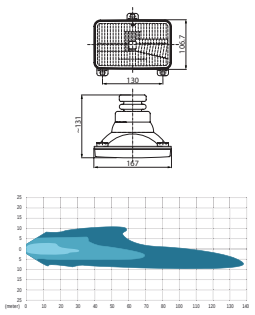


OD: 83 mm

Material: Rubber

HEADLIGHT INSERTS

170690 Light Unit — Std pkg 1 — **Servicing:** Chrysler, Fendt, Ford, GM, IH/Case, Isuzu, John Deere, Mazda - Visit our web catalogue for further information



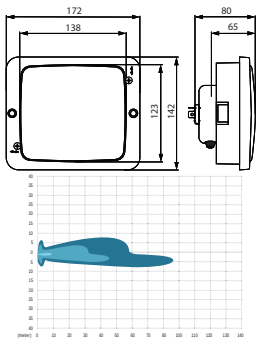
Bulb incl.: No
Watt: 60/55
Watt 2: 75/70

Dim.: 167x106.7 mm
Dist. mount. holes: 130x110 mm

Bulb type: H4
Bulb type 2: H4
Socket type: P43t
Socket type 2: P43t
Material: Metal
Material/lens: Glass
Shape: Rectangular
Fixing screw: 3
Asymmetric light: w/
RH/LH: LH
E-approval: Yes

170867 Head Lamp — Std pkg 1

Heat resistant plastic reflector bonded w/ glass lens. Flush fitting head lA. Build-in depth: 69 mm.



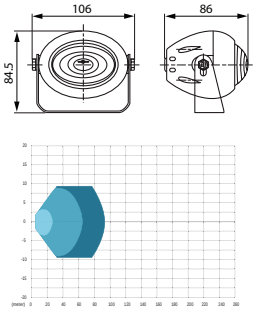
Bulb incl.: No
Watt: 60/55
Watt 2: 75/70
Watt 3: 4

Dim.: 172x142x80 mm

Bulb type: H4
Bulb type 2: H4
Socket type: P43t
Socket type 2: P43t
Socket type 3: BA9s
Material: Metal
Material/lens: Glass
Fixing screw: 2
Position light: w/
RH/LH: LH
E-approval: Yes

FOG LAMPS

171360 Fog Lamp — Std pkg 2



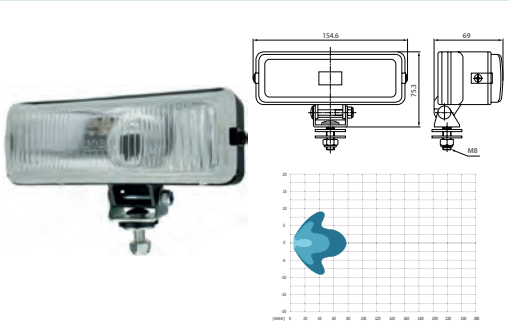
Bulb incl.: No
Watt: 55
Watt 2: 70

Dim.: 106x84.5x86 mm
Light aperture: 55x35 mm

Type: Fog light
Bulb type: H3
Bulb type 2: H3
Socket type: PK22s
Socket type 2: PK22s
Material: Shockproof plastic
Material/lens: Glass
Shape: Oval
Mount.: U-bracket w/ 2 holes
No./lamps: 2
E-approval: Yes

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

171362 Fog Lamp — Std pkg 1

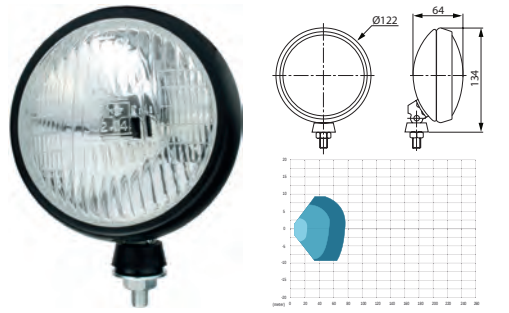


Bulb incl.: No
Watt: 55
Watt 2: 70

Dim.:
154.6x75.3x69 mm
Light aperture:
130x35 mm

Type: Fog light
Bulb type: H3
Bulb type 2: H3
Socket type: PK22s
Socket type 2: PK22s
Material: Shockproof plastic
Material/lens: Glass
Shape: Rectangular
Mount.: U-bracket w/ 1 bolt
E-approval: No

171364 Fog Lamp — Std pkg 1

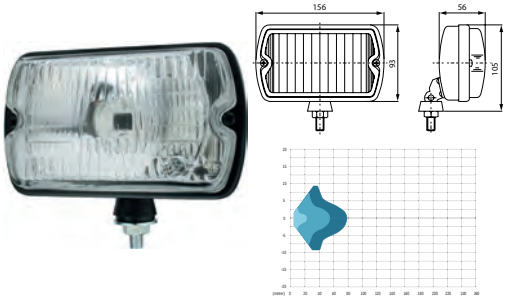


Bulb incl.: No
Voltage: 12/24
Watt: 55/70
Watt: 55
Watt 2: 70

Dim.: 122x134x64 mm
Light aperture: 95 mm

Type: Fog light
Bulb type: H3
Bulb type 2: H3
Socket type: PK22s
Socket type 2: PK22s
Colour: Black
Material: Metal
Material/lens: Glass
Shape: Round
Mount.: Mounted below
E-approval: No

171366 Fog Lamp — Std pkg 1

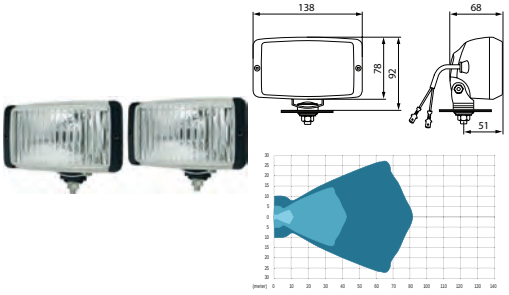


Bulb incl.: No
Watt: 55
Watt 2: 70

Dim.: 156x105x56 mm
Light aperture:
110x75 mm

Type: Fog light
Bulb type: H3
Bulb type 2: H3
Socket type: PK22s
Socket type 2: PK22s
Colour: Black
Material: Metal
Material/lens: Glass
Shape: Rectangular
Mount.: Mounted below
E-approval: Yes

171452 Fog Lamp Set — Std pkg 1



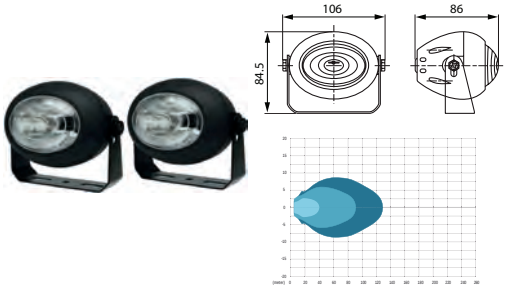
Bulb incl.: Yes
Voltage: 12
Watt: 55

Dim.: 138x78x68 mm
Light aperture:
110x60 mm

Type: Fog light
Bulb type: H3
Socket type: PK22s
Material: Shockproof plastic
Material/lens: Glass
Shape: Rectangular
Mount.: Screw
Bracket: Pendant
No./lamps: 2
E-approval: Yes

DRIVING LAMP CONVENTIONAL

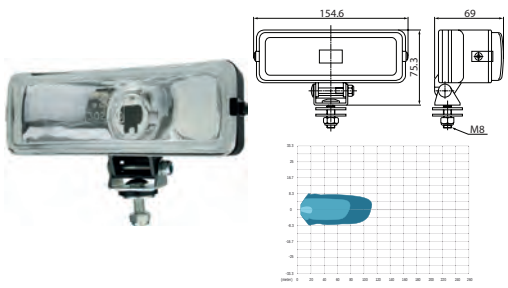
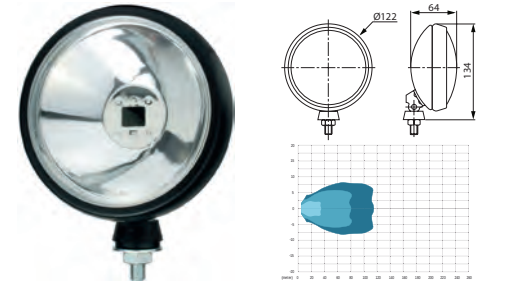
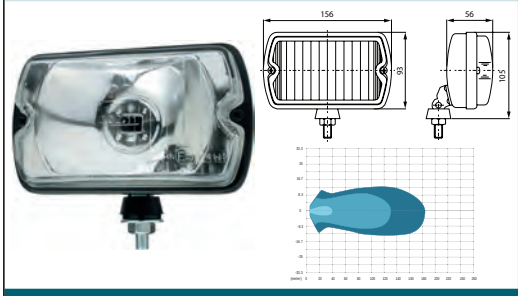
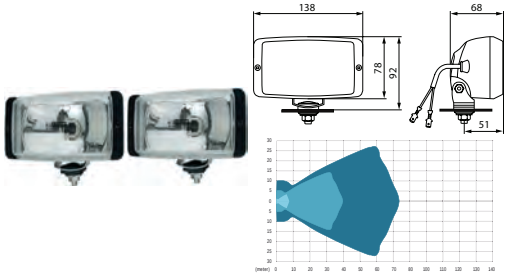
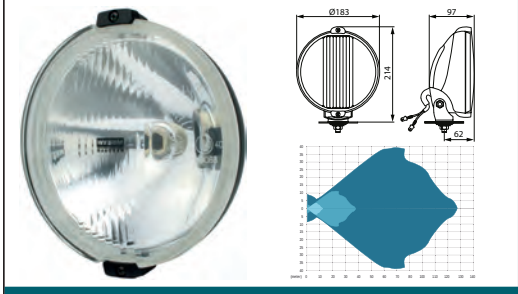
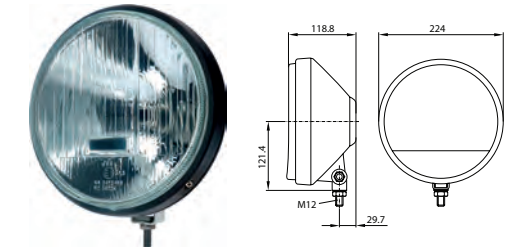
171359 Driving Lamp — Std pkg 2



Bulb incl.: No
Watt: 55
Watt 2: 70

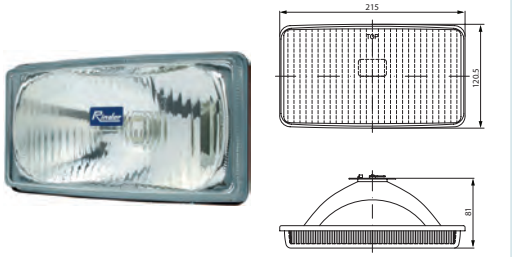
Dim.: 106x84.5x86 mm
Light aperture:
55x35 mm

Type: Driving lamp
Bulb type: H3
Bulb type 2: H3
Socket type: PK22s
Socket type 2: PK22s
Material: Shockproof plastic
Material/lens: Glass
Shape: Oval
Mount.: U-bracket w/ 2 holes
No./lamps: 2
Asymmetric light: w/o
E-approval: No

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
171361 Driving Lamp Std pkg 1			
	**Bulb incl.:** No **Watt:** 55 **Watt 2:** 70	**Dim.:** 154.6x75.3x69 mm **Light aperture:** 130x35 mm	**Type:** Driving lamp **Bulb type:** H3 **Bulb type 2:** H3 **Socket type:** PK22s **Socket type 2:** PK22s **Material:** Shockproof plastic **Material/lens:** Glass **Shape:** Rectangular **Mount.:** U-bracket w/ 1 bolt **E-approval:** No
171363 Driving Lamp Std pkg 1			
	**Bulb incl.:** No **Voltage:** 12/24 **Watt:** 55 **Watt 2:** 70	**Dim.:** 122x134x64 mm **Light aperture:** 95 mm	**Type:** Driving lamp **Bulb type:** H3 **Bulb type 2:** H3 **Socket type:** PK22s **Socket type 2:** PK22s **Colour:** Black **Material:** Metal **Material/lens:** Glass **Shape:** Round **Mount.:** Mounted below **E-approval:** No
171365 Driving Lamp Std pkg 1			
	**Bulb incl.:** No **Watt:** 55 **Watt 2:** 70	**Dim.:** 156x105x56 mm **Light aperture:** 110x75 mm	**Type:** Driving lamp **Bulb type:** H3 **Bulb type 2:** H3 **Socket type:** PK22s **Socket type 2:** PK22s **Colour:** Black **Material:** Metal **Material/lens:** Glass **Shape:** Rectangular **Mount.:** Mounted below **E-approval:** Yes
171451 Set of Driving Lamps Std pkg 1			
	**Bulb incl.:** Yes **Voltage:** 12 **Watt:** 55	**Dim.:** 138x78x68 mm **Light aperture:** 110x60 mm	**Type:** Driving lamp **Bulb type:** H3 **Socket type:** PK22s **Material:** Shockproof plastic **Material/lens:** Glass **Shape:** Rectangular **Mount.:** 1 bolt **Bracket:** Pendant **No./lamps:** 2 **E-approval:** Yes
171597 Driving Lamp Std pkg 1			
	**Bulb incl.:** No **Watt:** 55/70 **Watt 2:** 4	**Dim.:** 183x214x97 mm **Light aperture:** 180 mm	**Type:** Driving lamp **Bulb type:** H3 **Socket type:** PK22s **Socket type 2:** BA9s **Colour:** Black **Material:** Metal **Material/lens:** Glass **Shape:** Round **Mount.:** Mounted below **Position light:** w/ **E-approval:** Yes
172147 Driving Lamp Std pkg 1			
			

SPARE PARTS

170621 Light Unit — Std pkg 1 — Servicing: HC-CARGO 170550



Bulb incl.: No
Watt: 55
Watt 2: 70

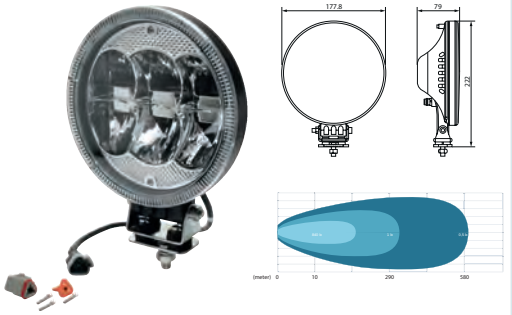
Dim.: 215x120.5x81 mm
Light aperture: 200x107 mm

Bulb type: H3
Bulb type 2: H3
Socket type: PK22s
Socket type 2: PK22s
Colour: Black
Material: Metal
Material/lens: Glass
Shape: Rectangular
Asymmetric light: w/o
E-approval: Yes

DRIVING LAMP LED

172059 LED Driving Lamp — Std pkg 1

Numberplate Holder: HC-CARGO 172291.

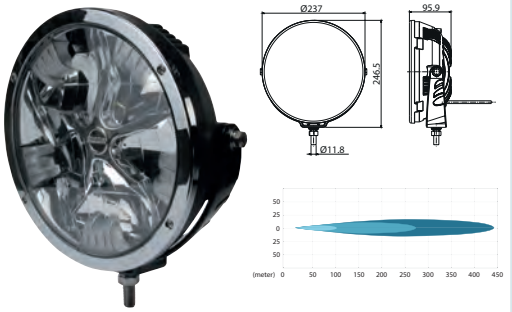


Voltage: 10-30
Watt: 60
Kelvin: 6000
Lumen: 5400

Dim.: 222x177.8x79 mm
Cable length: 300 mm

Type: LED Driving lamp
Connection: Multiplug
Material: Cast aluminum
Material/lens: Polycarbonate
Shape: Round
Position light: w/
No./LEDs: 6
RH/LH: RH/LH
Tightness norm: IP 67
Ref. no.: 25
Approval: ECE R112
E-approval: Yes

172060 LED Driving Lamp — Std pkg 1



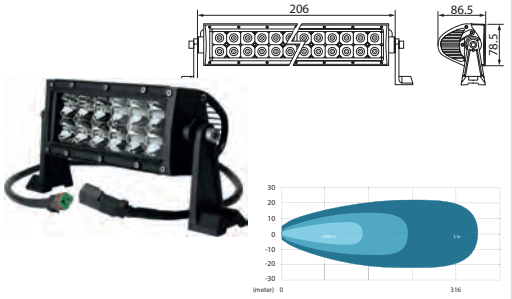
Voltage: 9-36
Watt: 50
Lumen: 4500

Dim.: 246.5x237x95.9 mm
Cable length: 300 mm

Type: LED Driving lamp
Connection: Cable
Material: Aluminium
Material/lens: Polycarbonate
Shape: Round
Position light: w/
No./LEDs: 5
RH/LH: RH/LH
Tightness norm: IP 69K
Ref. no.: 30
Approval: ECE R112
E-approval: Yes

172092 LED Driving Light Bar — Std pkg 1

DT Connector: HC-CARGO 193365, 193366.



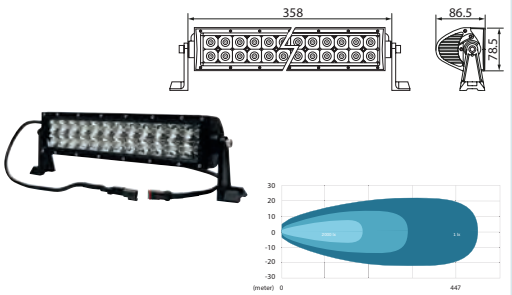
Voltage: 10-30
Amp: 2.2/1.2
Watt: 36
Kelvin: 6000
Lumen: 3240

Dim.: 206x86.5x78.5 mm
Cable length: 500 mm

Type: 12 LED
Colour: Black
Material/house: Cast aluminum
Material/lens: Polycarbonate
Reflector system: Driving
Shape: Straight
Mount. bracket: Vertical
Male/female: Male/female
Tightness norm: IP 69K
Ref. no.: 25
Approval: ECE R112
E-approval: Yes

172093 LED Driving Light Bar — Std pkg 1

DT Connector: HC-CARGO 193365, 193366.



Voltage: 10-30
Amp: 4.2/2.2
Watt: 72
Kelvin: 6000
Lumen: 6480

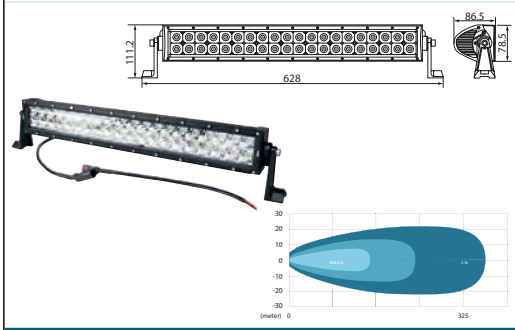
Dim.: 358x86.5x78.5 mm
Cable length: 500 mm

Type: 24 LED
Colour: Black
Material/house: Cast aluminum
Material/lens: Polycarbonate
Reflector system: Driving
Shape: Straight
Mount. bracket: Vertical
Male/female: Male/female
Tightness norm: IP 69K
Ref. no.: 40
Approval: ECE R112
E-approval: Yes

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

172102 LED Driving Light Bar — Std pkg 1

DT Connector: HC-CARGO 193365, 193366.



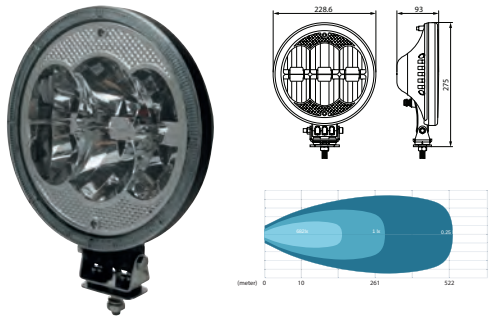
Voltage: 10-30
Amp: 6.6/3.4
Watt: 120
Kelvin: 6000
Lumen: 10800

Dim.: 628x111.2x86.5 mm
Cable length: 500 mm

Type: 40 LED
Colour: Black
Material/house: Cast aluminum
Material/lens: Polycarbonate
Reflector system: Driving
Shape: Straight
Mount. bracket: Vertical
Male/female: Male/female
Tightness norm: IP 69K
Ref. no.: 40
Approval: ECE R112
E-approval: Yes

172144 LED Driving Lamp — Std pkg 1

Numberplate Holder: HC-CARGO 172291.



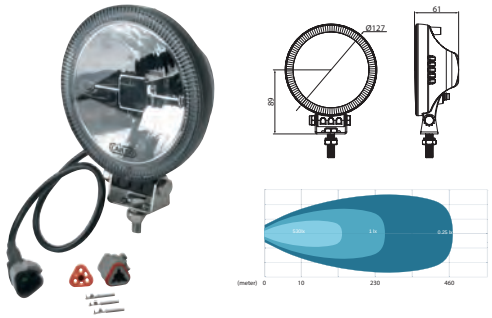
Voltage: 10-30
Watt: 60
Kelvin: 6000
Lumen: 5400

Dim.: 275x228.6x93 mm
Cable length: 400 mm

Type: LED Driving lamp
Connection: Multiplug
Material: Cast aluminum
Material/lens: Polycarbonate
Shape: Round
No./LEDs: 6
RH/LH: RH/LH
Tightness norm: IP 67
Ref. no.: 25
Approval: ECE R112
E-approval: Yes

172212 LED Driving Lamp — Std pkg 1

5". Numberplate Holder: HC-CARGO 172291.



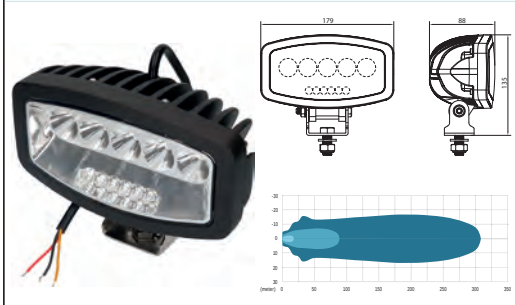
Voltage: 10-30
Watt: 20
Lumen: 1800

Dim.: 127x89x61 mm
Cable length: 300 mm

Type: LED Driving lamp
Material: Aluminium
Material/lens: Polycarbonate
Shape: Round
Tightness norm: IP 67/IP 69K
Ref. no.: 12.5
Approval: ECE R112
E-approval: Yes

172237 LED Driving Lamp — Std pkg 1

Numberplate Holder: HC-CARGO 172291.

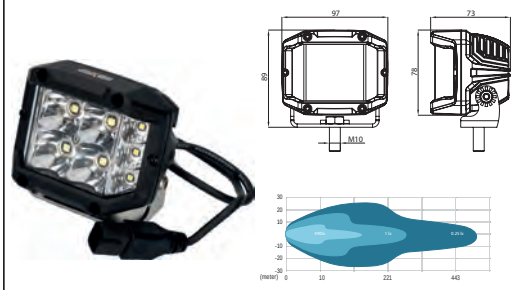


Voltage: 10-60
Watt: 25
Kelvin: 6000
Lumen: 2000

Dim.: 179x135x88 mm
Cable length: 400 mm

Type: LED Driving lamp
Connection: Multiplug
Material: Cast aluminum
Material/lens: Polycarbonate
Shape: Rectangular
Position light: w/
No./LEDs: 5
RH/LH: RH/LH
Tightness norm: IP 68
Ref. no.: 25
Approval: ECE R112
E-approval: Yes

172259 LED Driving Lamp — Std pkg 1



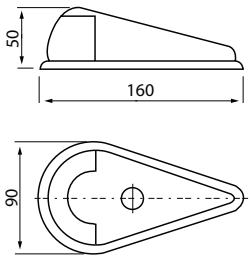
Voltage: 10-30
Watt: 29
Lumen: 2098

Dim.: 97x78x73 mm
Cable length: 500 mm

Type: LED Driving lamp
Connection: Multiplug
Colour: Black
Material: Cast aluminum
Material/lens: Polycarbonate
Shape: Square
Mount.: U-bracket w/ 1 bolt
LEDs: w/
Tightness norm: IP 69K
Ref. no.: 12.5
Approval: ECE R112
E-approval: Yes

POSITION LAMPS CONVENTIONAL

170875 Position Lamp — Std pkg 1



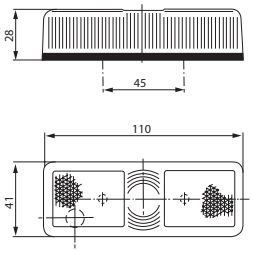
Bulb incl.: No
Voltage: 12/24
Watt: 5

Dim.: 160x59x45 mm
Dist. mount. holes: 57 mm

Socket type: BA15S
Connection: Screw
Colour/glass: White
Material: Plastic
Fixing screw: 2

170881 Position Lamp — Std pkg 1

Lens: HC-CARGO 170976.

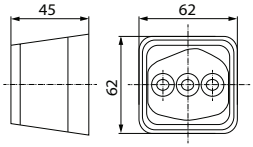


Bulb incl.: No
Watt: 5

Dim.: 110x41x28 mm
Dist. mount. holes: 45 mm

Socket type: S8.5
Connection: Terminal
Colour/glass: White
Material: Shockproof plastic
Shape: Rectangular
Reflector: w/
Fixing screw: 2
Sidemarker lamp: w/
Tail light: w/
E-approval: Yes

171171 Position Lamp — Std pkg 1



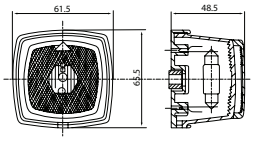
Bulb incl.: No
Watt: 5

Dim.: 62x62x45 mm
Dist. mount. holes: 30 mm

Socket type: S8.5
Connection: Terminal
Colour: Black
Colour/glass: Transparent
Material: Shockproof plastic
Shape: Square
Fixing screw: 2
E-approval: Yes

171174 Position Lamp — Std pkg 1

Lens: HC-CARGO 171242.

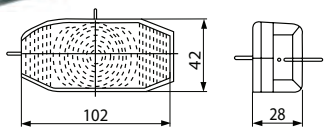


Bulb incl.: No
Watt: 5

Dim.: 65.5x61.5x48.5 mm
Dist. mount. holes: 30 mm

Socket type: S8.5
Connection: Terminal
Colour: Black
Colour/glass: White
Material: Shockproof plastic
Shape: Square
Reflector: w/
Fixing screw: 2
E-approval: Yes

171332 Position Lamp — Std pkg 1

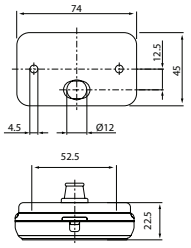


Bulb incl.: No
Watt: 5

Dim.: 102x42x28 mm
Dist. mount. holes: 65 mm

Socket type: S8.5
Connection: Terminal
Colour: Black
Colour/glass: White
Material: Plastic
Fixing screw: 2
E-approval: Yes

171493 Position Lamp — Std pkg 1



Bulb incl.: No
Watt: 5

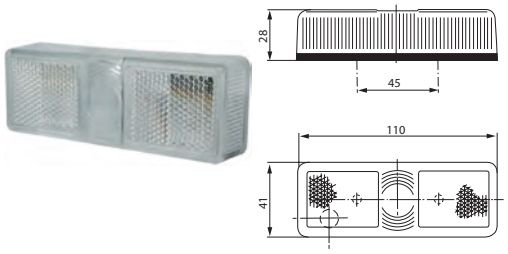
Dim.: 74x45x22.5 mm
Dist. mount. holes: 52 mm

Socket type: S8.5
Connection: Terminal
Colour: Black
Colour/glass: White
Material: Plastic
Shape: Rectangular
Reflector: w/
Fixing screw: 2
E-approval: Yes

SPARE PARTS

170976 Lens — Std pkg 1

Servicing: HC-CARGO 170881



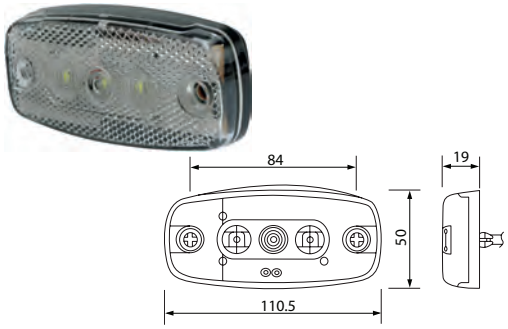
Dim.: 110x41x28 mm

Shape: Rectangular

POSITION LAMPS LED

171638 LED Position Lamp — Std pkg 1

Angle Bracket: HC-CARGO 171639.

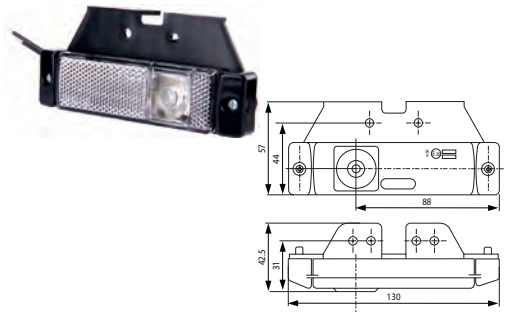


Voltage: 9-36
Watt: 0.9

Dim.: 110.5x50x19 mm
Dist. mount. holes: 83 mm

Type: LED Position lamp
Connection: Cable
Colour/glass: White
Material: ABS plastic
Material/lens: PMMA
Shape: Rectangular
Mount.: 2 screws
Reflector: w/
Fixing screw: 2
Position light: w/
No./LEDs: 3
Approval: ADR
E-approval: Yes

171717 LED Position Lamp — Std pkg 1

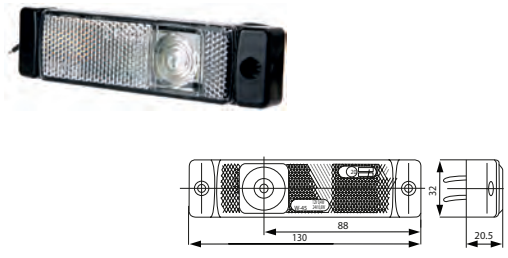


Voltage: 12/24
Watt: 0.4/0.8

Dim.: 130x57x42.5 mm
Dist. mount. holes: 50 mm

Type: LED Position lamp
Socket type: LED
Connection: Cable
Colour/glass: White
Material: Shockproof plastic
Shape: Rectangular
Bracket: Angled
Reflector: w/
Position light: w/
No./LEDs: 1
E-approval: Yes

171718 LED Position Lamp — Std pkg 1



Voltage: 12/24
Watt: 0.4/0.8

Dim.: 130x32x20.5 mm
Dist. mount. holes: 116 mm

Type: LED Position lamp
Socket type: LED
Connection: Cable
Colour/glass: White
Material: Shockproof plastic
Shape: Square
Reflector: w/
Fixing screw: 2
Position light: w/
No./LEDs: 1
E-approval: Yes

171744 LED Position Lamp — Std pkg 1

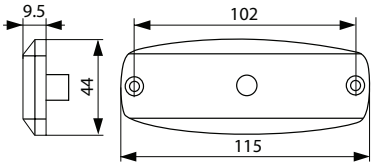
Voltage: 9-36

Dim.: 63x31 mm
OD: 63 mm
Cable length: 300 mm
Dist. mount. holes: 30 mm

Type: LED Position lamp
Connection: Cable
Colour: Black
Colour/glass: Transparent
Material: PVC
Material/lens: PMMA
Shape: Round
Mount.: 2 screws
Position light: w/
No./LEDs: 3
Approval: SAE/ECE
E-approval: Yes

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

171841 LED Position Lamp — Std pkg 1

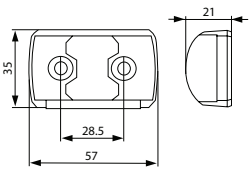


Voltage: 12/24
Watt: 0.45-1.6

Dim.: 115x44x9.5 mm
Cable length: 5000 mm
Dist. mount. holes: 102 mm

Type: LED Position lamp
Connection: Cable
Colour: White
Colour/glass: White
Material: Polycarbonate
Material/lens: Polycarbonate
Shape: Rectangular
Mount.: 2 screws
Reflector: w/
Fixing screw: 2
Position light: w/
No./LEDs: 3
Tightness norm: IP 67
Approval: SAE
E-approval: Yes

171844 LED Position Lamp — Std pkg 1

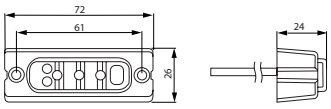


Voltage: 12/24

Dim.: 57x35x21 mm
Cable length: 400 mm
Dist. mount. holes: 28 mm

Type: LED Position lamp
Connection: Cable
Colour: Black
Colour/glass: White
Material: ASA plastic
Material/lens: PMMA
Shape: Rectangular
Fixing screw: 2
Position light: w/
No./LEDs: 2
Tightness norm: IP 67
E-approval: Yes

171862 LED Position Lamp — Std pkg 1

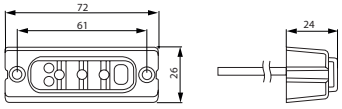


Voltage: 12/24
Watt: 0.3-0.6

Dim.: 72x26x24 mm
Cable length: 5000 mm
Dist. mount. holes: 61 mm

Type: LED Position lamp
Connection: Cable
Colour: Black
Colour/glass: White
Material: PP
Material/lens: PMMA
Shape: Rectangular
Fixing screw: 2
Position light: w/
No./LEDs: 3
Approval: CE
E-approval: Yes

171868 LED Position Lamp — Std pkg 1

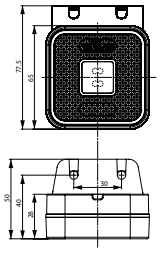


Voltage: 12/24
Watt: 0.3-0.6

Dim.: 72x26x24 mm
Cable length: 5000 mm
Dist. mount. holes: 61 mm

Type: LED Position lamp
Connection: Cable
Colour: Black
Colour/glass: White
Material: PP
Material/lens: PMMA
Shape: Rectangular
Bracket: Adjustable
Fixing screw: 2
Sidemarker lamp: w/
No./LEDs: 3
Approval: CE
E-approval: Yes

171956 LED Position Lamp — Std pkg 1

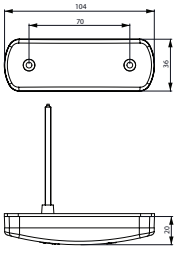


Voltage: 12-24
Watt: 1

Dim.: 65x65x28 mm
Cable length: 220 mm
Dist. mount. holes: 30 mm

Type: LED Position lamp
Connection: Cable
Colour/glass: White
Material: ABS plastic
Material/lens: PMMA
Shape: Square
Bracket: Angled
Reflector: w/
Sidemarker lamp: w/
No./LEDs: 2
Tightness norm: IP 68
E-approval: Yes

172038 LED Position Lamp — Std pkg 1



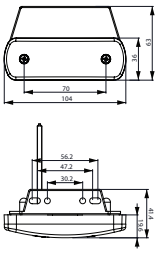
Voltage: 12/24
Watt: 0.49

Dim.: 104x36x20 mm
Cable length: 500 mm
Dist. mount. holes: 70 mm

Type: LED Position lamp
Connection: Cable
Colour/glass: White
Material: Shockproof plastic
Shape: Rectangular
Reflector: w/
Fixing screw: 2
Position light: w/
No./LEDs: 1
E-approval: Yes

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

172039 LED Position Lamp — Std pkg 1

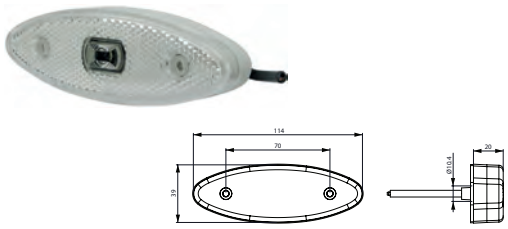


Voltage: 12/24
Watt: 0.49

Dim.: 104x36x19.6 mm
Cable length: 500 mm
Dist. mount. holes: 52 mm

Type: LED Position lamp
Connection: Cable
Colour/glass: White
Material: Shockproof plastic
Shape: Rectangular
Bracket: Angled
Reflector: w/
Fixing screw: 2
Position light: w/
No./LEDs: 1
E-approval: Yes

172043 LED Position Lamp — Std pkg 1

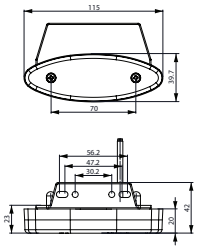


Voltage: 12/24
Watt: 0.44

Dim.: 114x39x20 mm
Cable length: 500 mm
Dist. mount. holes: 70 mm

Type: LED Position lamp
Connection: Cable
Colour/glass: White
Material: Shockproof plastic
Shape: Oval
Reflector: w/
Fixing screw: 2
Position light: w/
No./LEDs: 1
E-approval: Yes

172044 LED Position Lamp — Std pkg 1



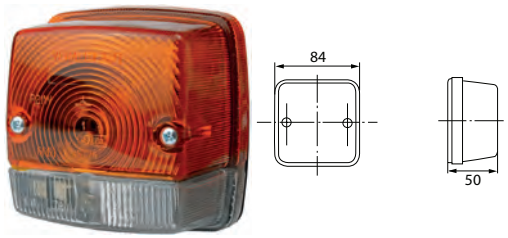
Voltage: 12/24
Watt: 0.44

Dim.: 115x39.7x20 mm
Cable length: 500 mm
Dist. mount. holes: 52 mm

Type: LED Position lamp
Connection: Cable
Colour/glass: White
Material: Shockproof plastic
Shape: Oval
Bracket: Angled
Reflector: w/
Fixing screw: 2
Position light: w/
No./LEDs: 1
E-approval: Yes

FLASHER-POSITION LAMPS CONVENTIONAL

170925 Flasher/Position Lamp — Std pkg 1



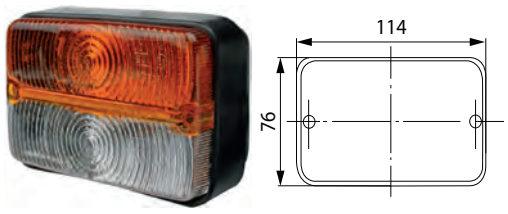
Bulb incl.: No
Watt: 21
Watt 2: 5

Dim.: 84x50 mm
Dist. mount. holes: 45 mm

Socket type: BA15S
Socket type 2: S8.5
Connection: Terminal
Material: Shockproof plastic
Shape: Square
Fixing screw: 2
RH/LH: RH/LH
E-approval: Yes

170927 Flasher/Position Lamp — Std pkg 1

Lens: HC-CARGO 170989.



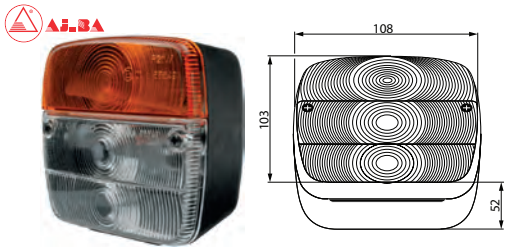
Bulb incl.: No
Watt: 21
Watt 2: 5

Dim.: 114x76 mm
Dist. mount. holes: 58 mm

Socket type: BA15S
Socket type 2: BA15S
Connection: Terminal
Material: Shockproof plastic
Shape: Rectangular
Fixing screw: 2
RH/LH: RH/LH
E-approval: Yes

170941 Flasher/Position Lamp — Std pkg 1 — **Servicing:** HC-CARGO 170828

Lens: HC-CARGO 170834.



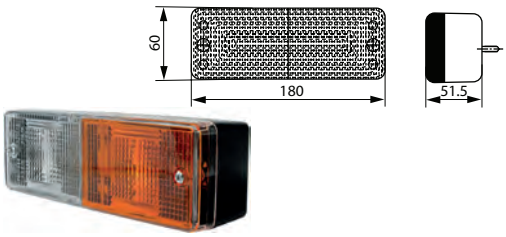
Bulb incl.: No
Watt: 21
Watt 2: 5

Dim.: 108x103x52 mm
Dist. mount. holes: 55 mm

Socket type: BA15S
Socket type 2: S8.5
Connection: Terminal
Material: Shockproof plastic
Shape: Square
Fixing screw: 2
Flasher light: w/
Position light: w/
RH/LH: RH/LH
E-approval: Yes

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

171510 Flasher/Position Lamp — Std pkg 1



Bulb incl.: No
Watt: 21
Watt 2: 5

Dim.: 180x60x51.5 mm
Dist. mount. holes: 134 mm

Socket type: BA15S
Socket type 2: BA15S
Connection: Terminal
Material: Shockproof plastic
Shape: Rectangular
Fixing screw: 2
RH/LH: RH/LH
E-approval: Yes

172245 Flasher/Position Lamp — Std pkg 1 — **Servicing:** New Holland, Zetor - Visit our web catalogue for further information

Bulb incl.: No
Voltage: 12/24
Watt: 21
Watt 2: 21/5

Dim.: 148x81x77 mm
Dist. mount. holes: 50 mm

Bulb type: P21W
Bulb type 2: R5W
Socket type: BA15S
Socket type 2: BA15S
Connection: Connection
Colour: Black
Material: Plastic
Shape: Oval
Mount.: Sidemounted
Flasher light: w/
Tail light: w/
RH/LH: RH/LH
Tightness norm: IP 55
E-approval: Yes
Alternativ no.: 172244

SPARE PARTS

170834 Lens, Rear Lamp — Std pkg 1 — **Servicing:** HC-CARGO 170941

Dim.: 108x103x52 mm

Shape: Square
Fixing screw: 2
Flasher light: w/
Position light: w/

170989 Lens — Std pkg 1 — **Servicing:** HC-CARGO 170927

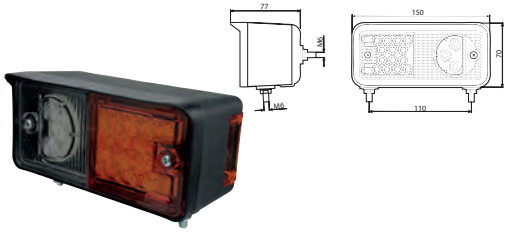
Dim.: 114x76 mm

Shape: Rectangular

FLASHER-POSITION LAMPS LED

171800 LED Flasher/Positions Lamp — Std pkg 1

Right: HC-CARGO 171801.



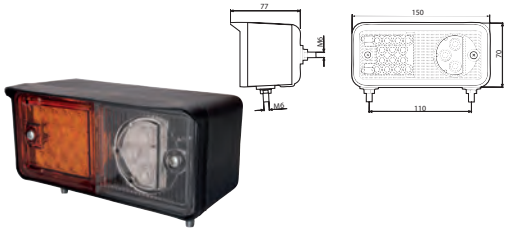
Voltage: 12/24

Dim.: 150x70x77 mm
Cable length: 2100 mm
Dist. mount. holes: 110/55 mm

Connection: Terminal
Colour: Black
Material: Shockproof plastic
Shape: Rectangular
Mount.: Upright/pendant
Fixing screw: 2
No./LEDs: 14/3
RH/LH: LH
E-approval: Yes

171801 LED Flasher/Positions Lamp — Std pkg 1

Left: HC-CARGO 171800.



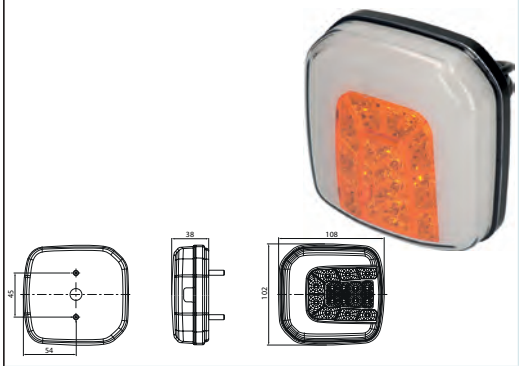
Voltage: 12/24

Dim.: 150x70x77 mm
Cable length: 2100 mm
Dist. mount. holes: 110/55 mm

Connection: Terminal
Colour: Black
Material: Shockproof plastic
Shape: Rectangular
Mount.: Upright/pendant
Fixing screw: 2
No./LEDs: 14/3
RH/LH: RH
E-approval: Yes

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

172239 LED Flasher/Position Lamp — Std pkg 1



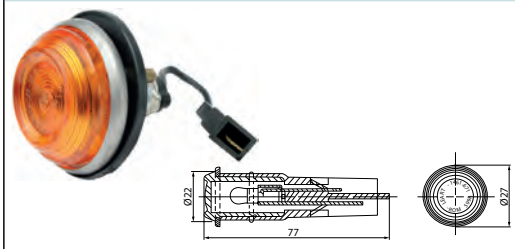
Voltage: 12/24

Dim.: 108x102x38 mm
Cable length: 2000 mm
Dist. mount. holes: 45 mm

Type: LED Flasher/Position Lamp
Connection: Cable
Colour: Black
Material: PC/ABS
Material/lens: PC/PMMA
Shape: Square
Mount.: 2 screws
Fixing screw: 2
Flasher light: w/
Position light: w/
No./LEDs: 16/12
RH/LH: RH/LH
Tightness norm: IP 66/68
Approval: ECE R10
E-approval: Yes

SIDE INDICATORS CONVENTIONAL

171140 Side Indicator — Std pkg 1 — **Servicing:** Fiat, Ford, Lada, Universal - Visit our web catalogue for further information

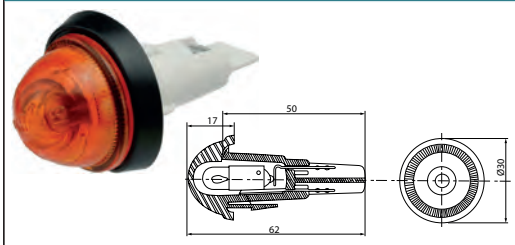


Bulb incl.: No
Watt: 3

OD: 27 mm
Dist. mount. holes: 28 mm

Socket type: BA9s
Connection: Multiplug
Colour/glass: Orange
E-approval: Yes

171141 Side Indicator — Std pkg 1 — **Servicing:** Fiat 127, 129 - Visit our web catalogue for further information

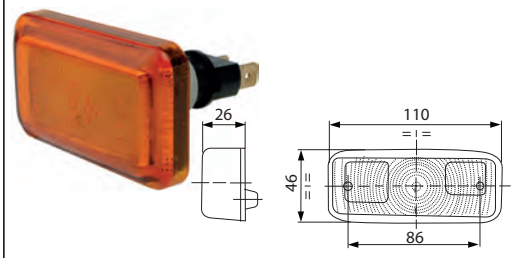


Bulb incl.: No

Dim.: 62x50x17 mm

Colour/glass: Orange
E-approval: Yes

171153 Side Indicator — Std pkg 1 — **Servicing:** Audi, VW - Visit our web catalogue for further information

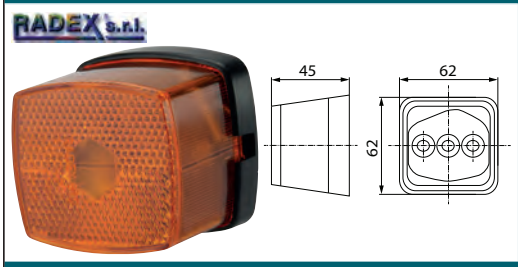


Bulb incl.: No
Voltage: 12
Watt: 5

Dim.: 110x46x26 mm
Dist. mount. holes: 86 mm

Type: Flasher lamp
Connection: Terminal
Colour/glass: Orange
Material: Plastic
Material/lens: Plastic
Shape: Flat
Mount.: Sidemounted
No./lamps: 1
Flasher light: w/
RH/LH: RH/LH
E-approval: Yes

171175 Side Marker Lamp — Std pkg 1

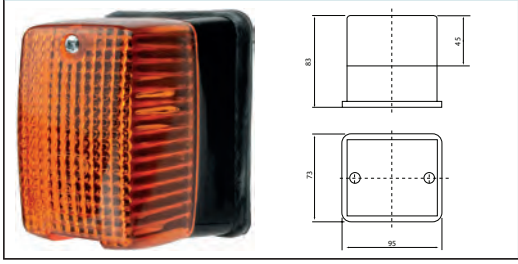


Bulb incl.: No
Watt: 5

Dim.: 62x62x45 mm
Dist. mount. holes: 30 mm

Socket type: S8.5
Connection: Terminal
Colour: Black
Colour/glass: Orange
Material: Shockproof plastic
Reflector: w/
Fixing screw: 2
E-approval: Yes

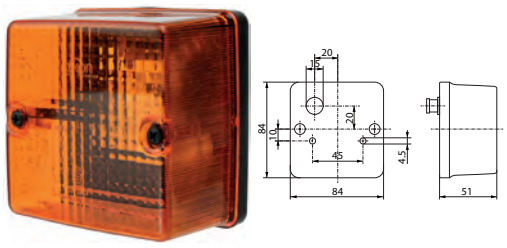
171337 Side Indicator — Std pkg 1



Bulb incl.: No
Watt: 10

Dim.: 95x73x83 mm
Dist. mount. holes: 48 mm

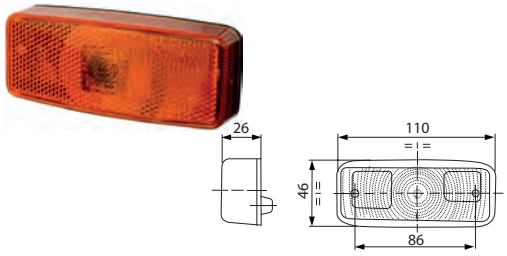
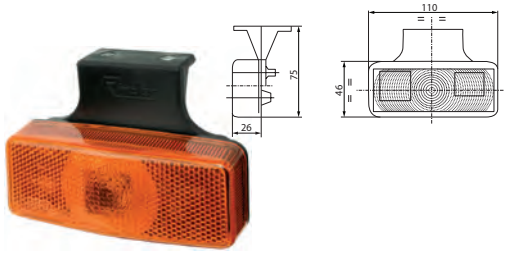
Socket type: BA15S
Connection: Terminal
Colour: Black
Colour/glass: Orange
Material: Plastic
Fixing screw: 2
E-approval: Yes

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
171339 Side Indicator — Std pkg 1			
	**Bulb incl.:** No **Watt:** 21	**Dim.:** 84x84x51 mm **Dist. mount. holes:** 45 mm	**Socket type:** BA15S **Connection:** Terminal **Colour/glass:** Orange **Material:** Plastic **Fixing screw:** 2 **E-approval:** Yes

SIDE INDICATORS LED

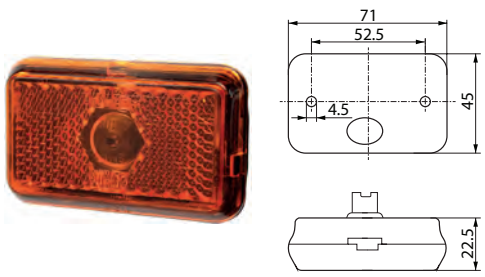
171770 LED Turn Signal Lamp — Std pkg 1	**Servicing:** Fiat, Kia, MAN - Visit our web catalogue for further information		
	Voltage: 24 **Watt:** 4	**Dim.:** 162x113x50 mm	**Type:** LED Flasher lamp **Connection:** Multiplug **Colour/glass:** Orange **Material:** ABS plastic **Material/lens:** PMMA **Shape:** Rectangular **Mount.:** Plan installation **Flasher light:** w/ **No./LEDs:** 16 **RH/LH:** RH/LH **E-approval:** Yes
172294* LED Turn Signal Lamp — Std pkg 5			
NEW PRODUCT www.hc-cargo.com			
172295* LED Turn Signal Lamp — Std pkg 5			
NEW PRODUCT www.hc-cargo.com			

SIDE MARKER LAMPS CONVENTIONAL

170884 Side Marker Lamp — Std pkg 1			
Lens: HC-CARGO 170946.			
	**Bulb incl.:** No **Watt:** 5	**Dim.:** 110x46x26 mm **Dist. mount. holes:** 85 mm	**Socket type:** T10 **Connection:** Terminal **Colour/glass:** Orange **Material:** Shockproof plastic **Shape:** Rectangular **Reflector:** w/ **Fixing screw:** 2 **E-approval:** Yes
170885 Side Marker Lamp — Std pkg 1			
Lens: HC-CARGO 170946.			
	**Bulb incl.:** No **Watt:** 5	**Dim.:** 110x46x26 mm **Dist. mount. holes:** 20/50 mm	**Socket type:** T10 **Connection:** Terminal **Colour/glass:** Orange **Material:** Shockproof plastic **Shape:** Rectangular **Bracket:** Angled **Reflector:** w/ **E-approval:** Yes

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

171343 Side Marker Lamp — Std pkg 1

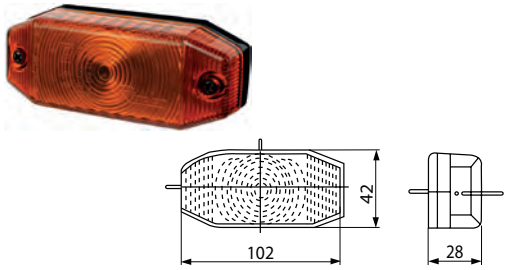


Bulb incl.: No
Watt: 5

Dim.: 74x45x22.5 mm
Dist. mount. holes: 52 mm

Socket type: S8.5
Connection: Terminal
Colour: Black
Colour/glass: Orange
Material: Plastic
Shape: Rectangular
Fixing screw: 2
E-approval: Yes

171369 Side Marker Lamp — Std pkg 1



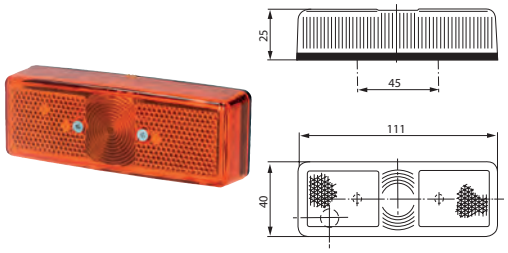
Bulb incl.: No
Watt: 5

Dim.: 102x42x28 mm
Dist. mount. holes: 65 mm

Socket type: S8.5
Connection: Terminal
Colour: Black
Colour/glass: Orange
Material: Plastic
Fixing screw: 2
E-approval: Yes

172226 Side Marker Lamp — Std pkg 1

Lens: HC-CARGO 172227.



Bulb incl.: No
Voltage: 12
Watt: 5

Dim.: 111x40x25 mm
Dist. mount. holes: 45 mm

Socket type: S8.5
Colour: Black
Colour/glass: Orange
Material: Polycarbonate
Material/lens: PMMA
Shape: Rectangular
Reflector: w/
Fixing screw: 2

SPARE PARTS

170946 Lens — Std pkg 1 — **Servicing:** HC-CARGO 170884, 170885

Dim.: 110x46 mm

170975 Lens — Std pkg 1 — **Servicing:** HC-CARGO 170880

Dim.: 110x41x28 mm

Alternativ no.: 172227

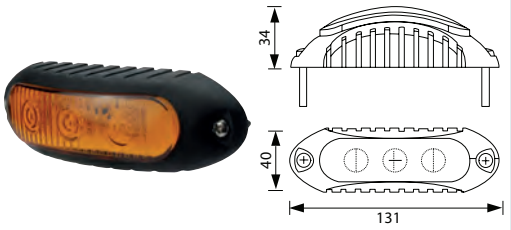
172227 Lens — Std pkg 1 — **Servicing:** HC-CARGO 172226

Dim.: 111x40x25 mm

SIDE MARKER LAMPS LED

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

171618 LED Side Marker Lamp — Std pkg 1



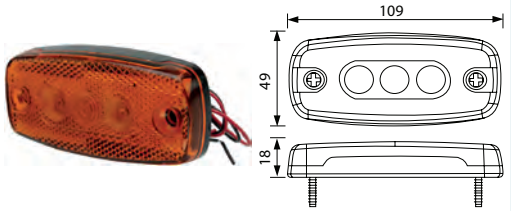
Voltage: 9-36

Dim.: 131x40x34 mm
Cable length: 28 mm
Dist. mount. holes: 115 mm

Type: LED Side marker lamp
Connection: Cable
Colour/glass: Orange
Material: PP/PMMA
Material/lens: ABS plastic
Mount.: Screw fastening
No./lamps: 1
Fixing screw: 2
Sidemarker lamp: w/
No./LEDs: 3
Wiring system: w/
E-approval: Yes

171636 LED Side Marker Lamp — Std pkg 1

Angle Bracket: HC-CARGO 171639.

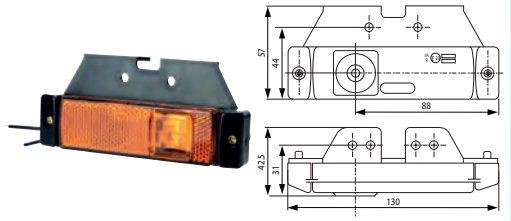


Voltage: 9-36
Watt: 0.9

Dim.: 109x49x18 mm
Dist. mount. holes: 83 mm

Type: LED Side marker lamp
Connection: Cable
Colour/glass: Orange
Shape: Rectangular
Reflector: w/
Sidemarker lamp: w/
No./LEDs: 3
E-approval: Yes

171721 LED Side Marker Lamp — Std pkg 1

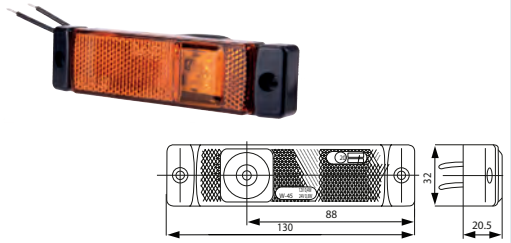


Voltage: 12/24

Dim.: 130x57x42.5 mm
Cable length: 210 mm
Dist. mount. holes: 50 mm

Type: LED Side marker lamp
Connection: Cable
Colour/glass: Orange
Material: Shockproof plastic
Shape: Rectangular
Bracket: Angled
Reflector: w/
Fixing screw: 2
Sidemarker lamp: w/
No./LEDs: 1
E-approval: Yes

171722 LED Side Marker Lamp — Std pkg 1



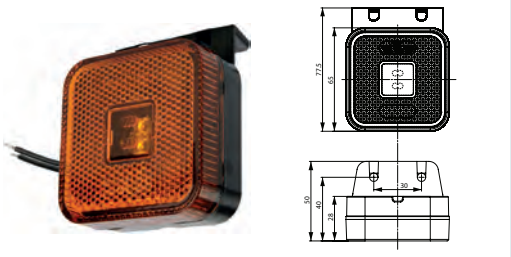
Voltage: 12/24

Dim.: 130x32x20.5 mm
Dist. mount. holes: 116 mm

Type: LED Side marker lamp
Connection: Cable
Colour/glass: Orange
Material: Shockproof plastic
Shape: Rectangular
Mount.: Flat w/ 2 fixing holes
Reflector: w/
Fixing screw: 2
Sidemarker lamp: w/
No./LEDs: 1
E-approval: Yes

171729 LED Side Marker Lamp — Std pkg 1

Servicing: MAN - Visit our web catalogue for further information

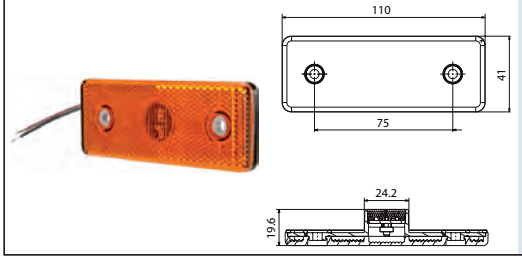


Voltage: 12/24
Watt: 1

Dim.: 65x65x28 mm
Dist. mount. holes: 30 mm

Type: LED Side marker lamp
Connection: Cable
Colour/glass: Orange
Material: ABS plastic
Material/lens: PMMA
Shape: Square
Bracket: Angled
Reflector: w/
Sidemarker lamp: w/
No./LEDs: 2
E-approval: Yes

171735 LED Side Marker Lamp — Std pkg 1



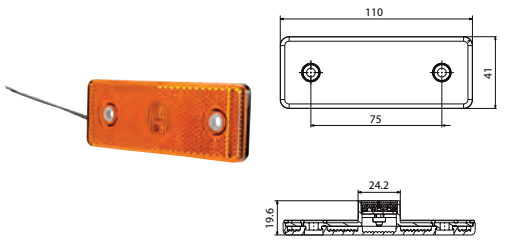
Voltage: 12

Dim.: 110x41x19.6 mm
Cable length: 200 mm
Dist. mount. holes: 75 mm

Type: LED Side marker lamp
Connection: Cable
Colour/glass: Orange
Shape: Rectangular
Sidemarker lamp: w/
No./LEDs: 1
E-approval: Yes

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

171736 LED Side Marker Lamp — Std pkg 1

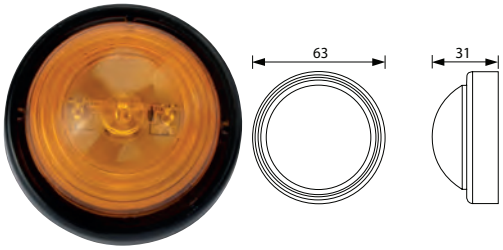


Voltage: 24

Dim.: 110x41x19.6 mm
Cable length: 20 mm
Dist. mount. holes: 75 mm

Type: LED Side marker lamp
Connection: Cable
Colour/glass: Orange
Shape: Rectangular
Sidemarker lamp: w/
No./LEDs: 1
E-approval: Yes

171742 LED Side Marker Lamp — Std pkg 1



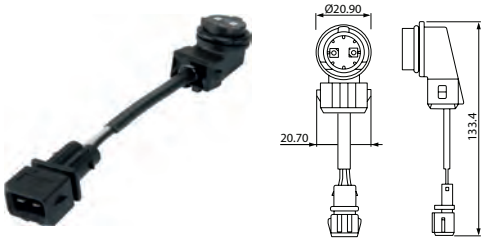
Voltage: 12/24

Dim.: 63x31 mm
OD: 63 mm
Cable length: 300 mm

Type: LED Side marker lamp
Connection: Cable
Colour: Black
Colour/glass: Orange
Material: PVC
Material/lens: PMMA
Mount.: 2 screws
Sidemarker lamp: w/
No./LEDs: 3
Approval: SAE/ECE
E-approval: Yes

171835 LED Adapter — Std pkg 1 — **Servicing:** HC-CARGO 171836, 193119

HC-CARGO 171835 is the LED version of HC-CARGO 170763.



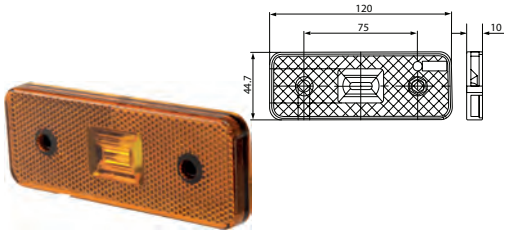
Voltage: 12-24

Cable length: 66 mm

Type: LED
Connection: Multiplug
LEDs: w/
Tightness norm: IP 69K
E-approval: Yes

171836 Lens — Std pkg 1

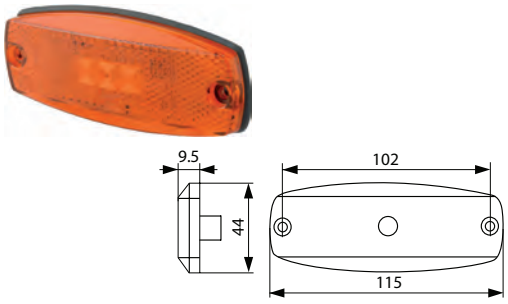
LED Adapter: HC-CARGO 171835.



Dim.: 120x44.7x10 mm

Shape: Square
E-approval: Yes

171839 LED Side Marker Lamp — Std pkg 1

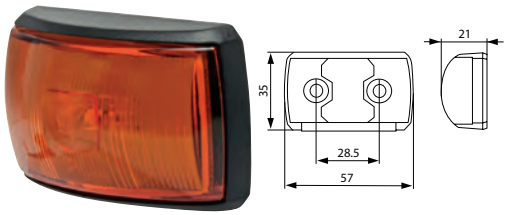


Voltage: 12/24
Watt: 0.45-1.6

Dim.: 115x44x9.5 mm
Cable length: 5000 mm
Dist. mount. holes: 102 mm

Type: LED Side marker lamp
Connection: Cable
Colour: White
Colour/glass: Orange
Material: Polycarbonate
Material/lens: Polycarbonate
Shape: Rectangular
Mount.: 2 screws
Reflector: w/
Sidemarker lamp: w/
No./LEDs: 3
Tightness norm: IP 67
Approval: SAE
E-approval: Yes

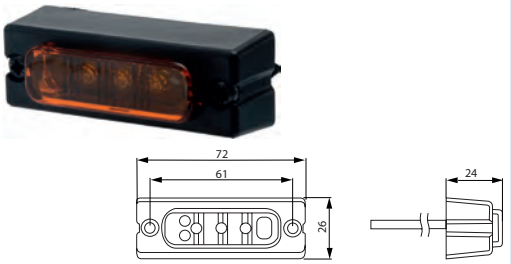
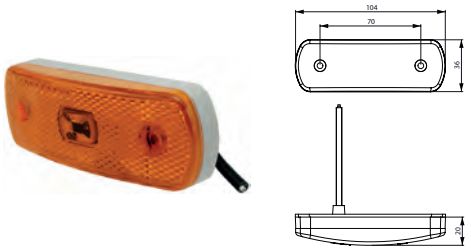
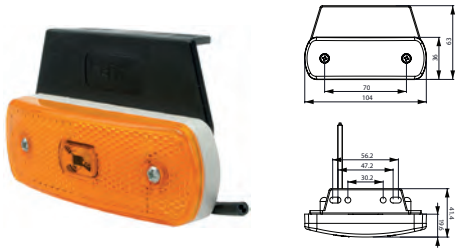
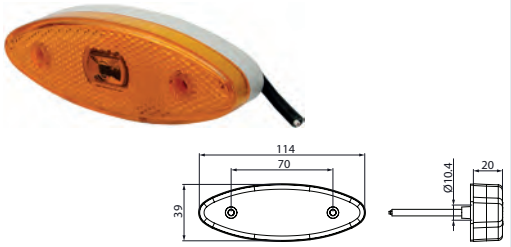
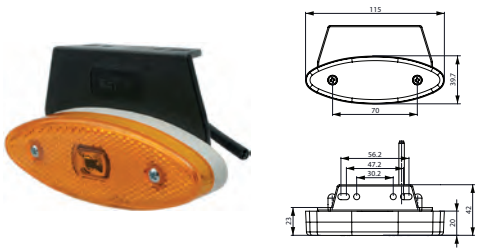
171842 LED Side Marker Lamp — Std pkg 1



Voltage: 12/24

Dim.: 57x35x21 mm
Cable length: 400 mm
Dist. mount. holes: 28.5 mm

Type: LED Side marker lamp
Connection: Cable
Colour: Black
Colour/glass: Orange
Material: ASA plastic
Material/lens: PMMA
Shape: Rectangular
Fixing screw: 2
Sidemarker lamp: w/
No./LEDs: 2
Tightness norm: IP 67
E-approval: Yes

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
171860 LED Side Marker Lamp Std pkg 1			
	**Voltage:** 12/24 **Watt:** 0.3-0.6	**Dim.:** 72x26x24 mm **Cable length:** 5000 mm **Dist. mount. holes:** 61 mm	**Type:** LED Side marker lamp **Colour:** Black **Colour/glass:** Orange **Material:** PP **Material/lens:** PMMA **Shape:** Rectangular **Fixing screw:** 2 **Position light:** w/ **No./LEDs:** 3 **Approval:** CE **E-approval:** Yes
172036 LED Side Marker Lamp Std pkg 1			
	**Voltage:** 12/24	**Dim.:** 104x36x20 mm **Cable length:** 500 mm **Dist. mount. holes:** 70 mm	**Type:** LED Side marker lamp **Connection:** Cable **Colour/glass:** Orange **Material:** Shockproof plastic **Shape:** Rectangular **Reflector:** w/ **Fixing screw:** 2 **Sidemarker lamp:** w/ **No./LEDs:** 1 **E-approval:** Yes
172037 LED Side Marker Lamp Std pkg 1			
	**Voltage:** 12/24	**Dim.:** 104x36x19.6 mm **Cable length:** 500 mm **Dist. mount. holes:** 70 mm	**Type:** LED Side marker lamp **Connection:** Cable **Colour/glass:** Orange **Material:** Shockproof plastic **Shape:** Rectangular **Bracket:** Angled **Reflector:** w/ **Fixing screw:** 2 **Sidemarker lamp:** w/ **No./LEDs:** 1 **E-approval:** Yes
172041 LED Side Marker Lamp Std pkg 1			
	**Voltage:** 12/24	**Dim.:** 114x39x20 mm **Cable length:** 500 mm **Dist. mount. holes:** 70 mm	**Type:** LED Side marker lamp **Connection:** Cable **Colour/glass:** Orange **Material:** Shockproof plastic **Reflector:** w/ **Fixing screw:** 2 **Sidemarker lamp:** w/ **No./LEDs:** 1 **E-approval:** Yes
172042 LED Side Marker Lamp Std pkg 1			
	**Voltage:** 12/24	**Dim.:** 115x39.7x20 mm **Dist. mount. holes:** 70 mm	**Type:** LED Side marker lamp **Connection:** Cable **Colour/glass:** Orange **Material:** Shockproof plastic **Shape:** Oval **Bracket:** Angled **Reflector:** w/ **Fixing screw:** 2 **Sidemarker lamp:** w/ **No./LEDs:** 1 **E-approval:** Yes

ACCESSORIES

171639 Angle Bracket Std pkg 1	**Servicing:** HC-CARGO 171636, 171637, 171638	

193119 Junior Power Timer Connector Std pkg 10

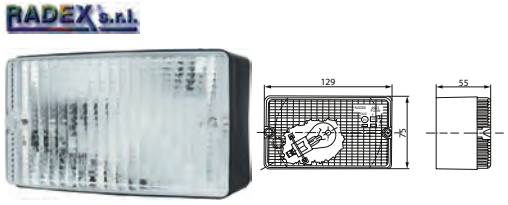
Terminal: HC-CARGO 191551, 192155, 192175, 192176. Wire seal: HC-CARGO 192177, 192178. LED Adapter: HC-CARGO 171835.

Type/terminal: Junior Power Timer
Colour: Black
No./poles: 2
Plug: Female

TAIL LIGHTS

REVERSING LAMPS CONVENTIONAL

170689 Reversing Lamp Std pkg 1

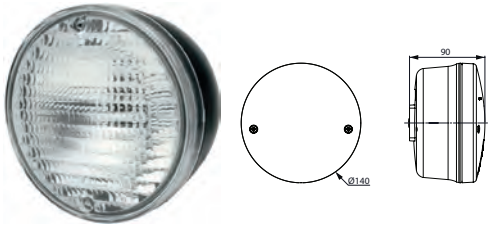


Bulb incl.: No
Watt: 21

Dim.: 129x75x55 mm
Dist. mount. holes: 56 mm

Socket type: BA15S
Connection: Terminal
Colour: Black
Shape: Rectangular
Bracket: Straight
Fixing screw: 1
Reverse light: w/
E-approval: Yes

170934 Reversing Lamp Std pkg 1

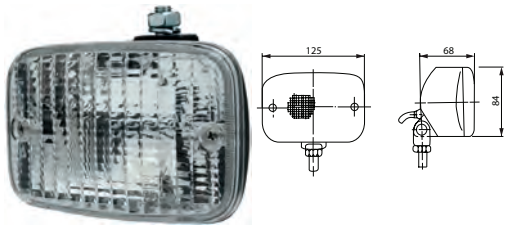


Bulb incl.: No
Watt: 21

Dim.: 140x90 mm
Dist. mount. holes: 45 mm

Socket type: BA15S
Connection: Terminal
Colour: Black
Material: Shockproof plastic
Shape: Round
Fixing screw: 2
Reverse light: w/
Wiring system: w/
E-approval: Yes

170935 Reversing Lamp Std pkg 1

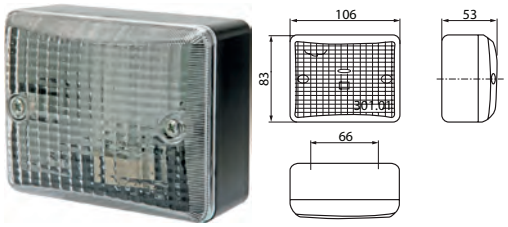


Bulb incl.: No
Watt: 21

Dim.: 125x84x68 mm

Socket type: BA15S
Connection: Terminal
Colour: Black
Material: Shockproof plastic
Shape: Rectangular
Bracket: Pendant
Fixing screw: M10
Reverse light: w/
E-approval: Yes

172014 Reversing Lamp Std pkg 1



Bulb incl.: No
Watt: 21

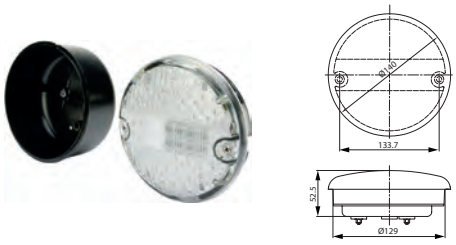
Dim.: 106x83x53 mm
Dist. mount. holes: 66 mm

Socket type: BA15S
Connection: Screw
Colour: Black
Colour/glass: White
Material: ABS plastic
Material/lens: PMMA
Shape: Rectangular
Fixing screw: 2
Reverse light: w/
Approval: CE
E-approval: Yes
Alternativ no.: 170932

REVERSING LAMPS LED

171684 LED Reversing Lamp Std pkg 1

Can be flush mounted by using HC-CARGO 171266.



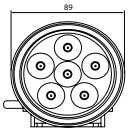
Voltage: 9-33
Watt: 8

Dim.: 140x52.5 mm
Dist. mount. holes: 45 mm

Type: LED Reversing lamp
Connection: Terminal
Colour: Transparent
Material: Shockproof plastic
Shape: Round
No./LEDs: 61
Approval: ECE R23
E-approval: Yes

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

172007 LED Reversing Lamp — Std pkg 1

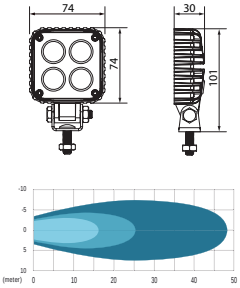


Voltage: 10-30
Watt: 18
Kelvin: 6000
Lumen: 1260

Dim.: 89x58 mm

Type: LED Reversing lamp
Bulb type: 6 LED
Colour: Black
Material: Cast aluminum
Material/lens: Polycarbonate
Shape: Round
Reverse light: w/
Tightness norm: IP 67
Approval: ECE R23
E-approval: Yes

172293* LED Reversing Lamp — Std pkg 1



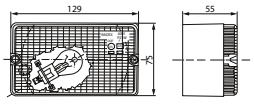
Voltage: 10-30
Watt: 6

Dim.: 101x74x30 mm

Type: LED Reversing lamp
Colour: Black
Material: Aluminium
Material/lens: Polycarbonate
Shape: Square
Mount.: 1 bolt
No./LEDs: 4
Approval: ECE R23
E-approval: Yes

REAR FOG LAMPS CONVENTIONAL

170688 Rear Fog Lamp — Std pkg 1

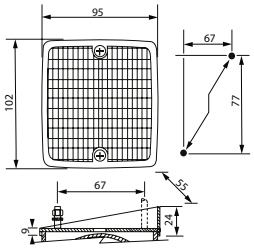


Bulb incl.: No
Watt: 21

Dim.: 129x75x55 mm
Dist. mount. holes: 56 mm

Socket type: BA15S
Connection: Terminal
Colour: Black
Colour/glass: Red
Shape: Rectangular
Bracket: Straight
Rear/fog lamp: w/
E-approval: Yes

170928 Rear Fog Lamp — Std pkg 1

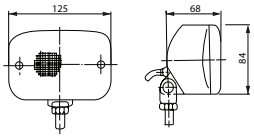


Bulb incl.: No
Watt: 21

Dim.: 102x95x55 mm
Dist. mount. holes: 77 mm

Socket type: BA15S
Colour: Black
Material: Shockproof plastic
Shape: Rectangular
Fixing screw: 2
E-approval: Yes

170930 Rear Fog Lamp — Std pkg 1

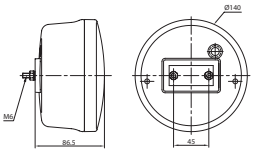


Bulb incl.: No
Watt: 21

Dim.: 125x84x68 mm

Socket type: BA15S
Connection: Terminal
Colour: Black
Material: Shockproof plastic
Shape: Rectangular
Bracket: Pendant
Fixing screw: 1
Rear/fog lamp: w/
E-approval: Yes

172117 Rear Fog Lamp — Std pkg 1



Bulb incl.: No
Watt: 21

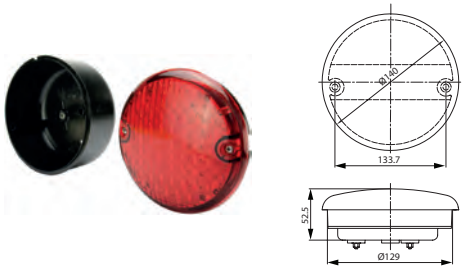
Dim.: 140x86.5 mm
Dist. mount. holes: 45 mm

Socket type: BA15S
Connection: Terminal
Colour: Black
Colour/glass: Red
Material: Shockproof plastic
Shape: Round
Fixing screw: 2
Rear/fog lamp: w/
E-approval: Yes

REAR FOG LAMPS LED

171685 LED Rear Fog Lamp — Std pkg 1

Can be flush mounted by using HC-CARGO 171266.



Voltage: 9-33

Dim.: 140x52.5 mm
Dist. mount. holes: 45 mm

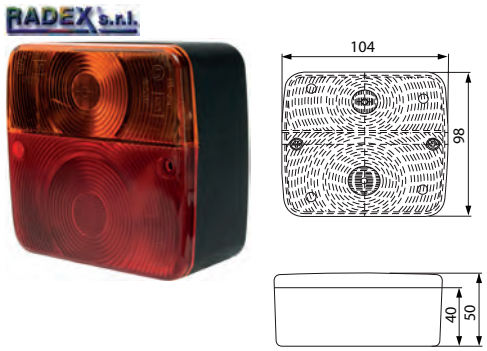
Type: Rear fog lamp
Connection: Terminal
Colour: Red
Material: Shockproof plastic
Shape: Round
Rear/fog lamp: w/
No./LEDs: 61

MULTI FUNCTION LAMPS

TRAILER LAMPS CONVENTIONAL

170685 Multi Function Lamp — Std pkg 1

Lens: HC-CARGO 170687.



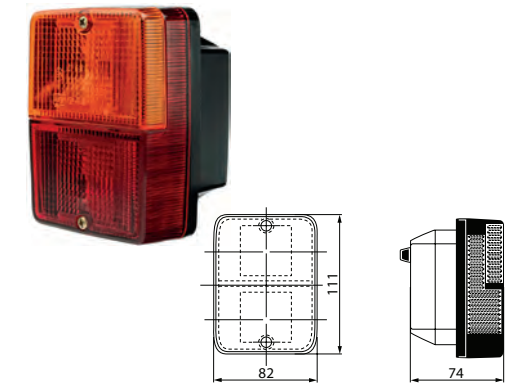
Bulb incl.: No
Watt: 21
Watt 2: 21/5

Dim.: 104x98x50 mm
Dist. mount. holes: 45/55 mm

Socket type: BA15S
Socket type 2: BAY15d
Connection: Terminal
Material: Shockproof plastic
Shape: Square
Fixing screw: 2
Flasher light: w/
Numberplate light: w/ w/o
Rear/fog lamp: w/o
Reverse light: w/o
Position light: w/o
Sidemarker lamp: w/o
Tail light: w/
Stop light: w/
RH/LH: RH/LH
E-approval: Yes

170846 Multi Function Lamp — Std pkg 1

Lens: HC-CARGO 170847.



Bulb incl.: No
Watt: 10
Watt 2: 21/5

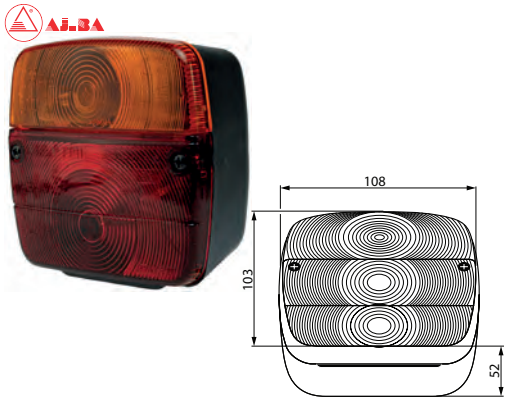
Dim.: 111x82x74 mm
Dist. mount. holes: 57/87 mm

Socket type: BA15S
Socket type 2: BAY15d
Connection: Terminal
Material: Shockproof plastic
Shape: Rectangular
Fixing screw: 4
Flasher light: w/
Numberplate light: w/o
Rear/fog lamp: w/o
Reverse light: w/o
Position light: w/o
Sidemarker lamp: w/o
Tail light: w/
Stop light: w/
RH/LH: RH/LH
E-approval: Yes

170939 Multi Function Lamp — Std pkg 1

Servicing: HC-CARGO 170809, 170828, 170829, 170835, 171049, 171935

Lens: HC-CARGO 170833.



Bulb incl.: No
Watt: 21
Watt 2: 21/5

Dim.: 108x103x52 mm
Dist. mount. holes: 45/55 mm

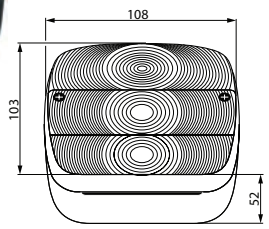
Socket type: BA15S
Socket type 2: BAY15d
Connection: Terminal
Material: Shockproof plastic
Shape: Square
Fixing screw: 2
Flasher light: w/
Numberplate light: w/o
Rear/fog lamp: w/o
Reverse light: w/o
Position light: w/o
Sidemarker lamp: w/o
Tail light: w/
Stop light: w/
RH/LH: RH/LH
E-approval: Yes

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

170940 Multi Function Lamp — Std pkg 1

Servicing: HC-CARGO 170829

Lens: HC-CARGO 170833.



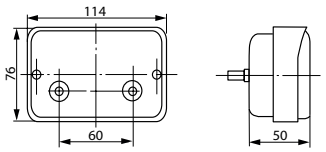
Bulb incl.: No
Watt: 21
Watt 2: 21/5

Dim.: 108x103x52 mm
Dist. mount. holes: 45/55 mm

Socket type: BA15S
Socket type 2: BAY15d
Connection: Terminal
Material: Shockproof plastic
Shape: Square
Fixing screw: 2
Flasher light: w/
Numberplate light: w/
Rear/fog lamp: w/o
Reverse light: w/o
Position light: w/o
Sidemarker lamp: w/o
Tail light: w/
Stop light: w/
RH/LH: RH/LH
E-approval: Yes
Alternativ no.: 171049

170943 Multi Function Lamp — Std pkg 1

Lens: HC-CARGO 170944.



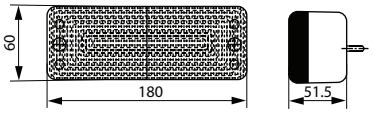
Bulb incl.: No
Watt: 21
Watt 2: 21/5

Dim.: 114x76x50 mm
Dist. mount. holes: 60 mm

Socket type: BA15S
Socket type 2: BAY15d
Connection: Terminal
Material: Shockproof plastic
Shape: Rectangular
Fixing screw: 2
Flasher light: w/
Numberplate light: w/o
Rear/fog lamp: w/o
Reverse light: w/o
Position light: w/o
Sidemarker lamp: w/o
Tail light: w/
Stop light: w/
RH/LH: RH/LH
E-approval: Yes

170985 Multi Function Lamp — Std pkg 1

Lens: HC-CARGO 170987.



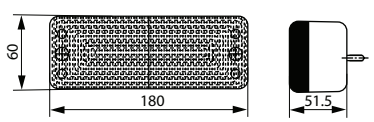
Bulb incl.: No
Watt: 10
Watt 2: 21/5

Dim.: 180x60x51.5 mm
Dist. mount. holes: 134 mm

Socket type: BA15S
Socket type 2: BAY15d
Connection: Terminal
Material: Shockproof plastic
Shape: Rectangular
Fixing screw: 2
Flasher light: w/
Numberplate light: w/o
Rear/fog lamp: w/o
Reverse light: w/o
Position light: w/o
Sidemarker lamp: w/o
Tail light: w/
Stop light: w/
RH/LH: RH/LH
E-approval: Yes

170986 Multi Function Lamp — Std pkg 1

Lens: HC-CARGO 170987.



Bulb incl.: No
Watt: 10
Watt 2: 21/5

Dim.: 180x60x51.5 mm
Dist. mount. holes: 134 mm

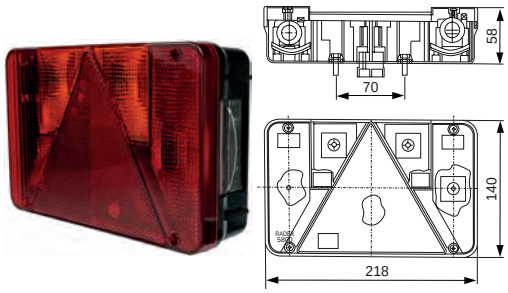
Socket type: BA15S
Socket type 2: BAY15d
Connection: Terminal
Material: Shockproof plastic
Shape: Rectangular
Fixing screw: 2
Flasher light: w/
Numberplate light: w/
Rear/fog lamp: w/o
Reverse light: w/o
Position light: w/o
Sidemarker lamp: w/o
Tail light: w/
Stop light: w/
RH/LH: RH/LH
E-approval: Yes

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

171013 Multi Function Lamp Std pkg 1

Lens: HC-CARGO 171015. Right: HC-CARGO 171014.

RADEX s.r.l.



Bulb incl.: No
Watt: 21
Watt 2: 21/5

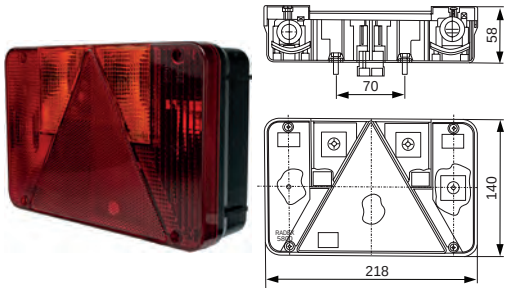
Dim.: 218x140x58 mm
Dist. mount. holes: 70 mm

Socket type: BA15S
Socket type 2: BAY15d
Connection: Terminal
Material: Shockproof plastic
Shape: Rectangular
Reflector: w/
Fixing screw: 2
Flasher light: w/
Numberplate light: w/
Rear/fog lamp: w/o
Reverse light: w/o
Position light: w/o
Sidemarker lamp: w/o
Tail light: w/
Stop light: w/
RH/LH: LH
E-approval: Yes

171014 Multi Function Lamp Std pkg 1

Lens: HC-CARGO 171016. Left: HC-CARGO 171013.

RADEX s.r.l.



Bulb incl.: No
Watt: 21
Watt 2: 21/5

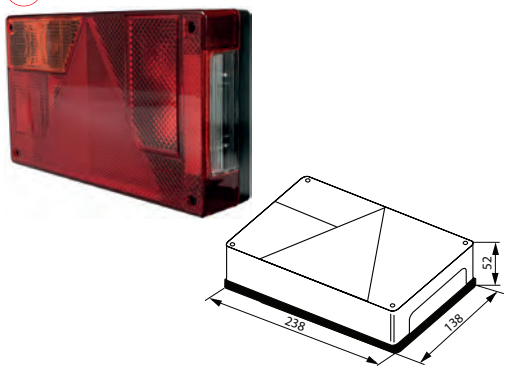
Dim.: 218x140x58 mm
Dist. mount. holes: 70 mm

Socket type: BA15S
Socket type 2: BAY15d
Connection: Terminal
Material: Shockproof plastic
Shape: Rectangular
Reflector: w/
Fixing screw: 2
Flasher light: w/
Numberplate light: w/
Rear/fog lamp: w/o
Reverse light: w/o
Position light: w/o
Sidemarker lamp: w/o
Tail light: w/
Stop light: w/
RH/LH: RH
E-approval: Yes

171050 Multi Function Lamp Std pkg 1

Lens: HC-CARGO 171057. Plug: HC-CARGO 171372, 171373. Right: HC-CARGO 171053.

AJ.BA



Bulb incl.: Yes
Watt: 21
Watt 2: 21/5
Watt 3: 5

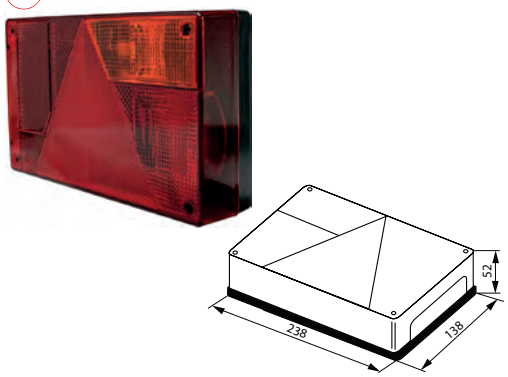
Dim.: 238x138x52 mm
Dist. mount. holes: 152 mm

Socket type: BA15S
Socket type 2: BAY15d
Socket type 3: S8.5
Material: Shockproof plastic
Shape: Rectangular
Reflector: w/
Fixing screw: 2
Flasher light: w/
Numberplate light: w/
Rear/fog lamp: w/
Reverse light: w/o
Position light: w/o
Sidemarker lamp: w/o
Tail light: w/
Stop light: w/
RH/LH: LH
E-approval: Yes

171051 Multi Function Lamp Std pkg 1

Lens: HC-CARGO 171056. Plug: HC-CARGO 171372, 171373. Left: HC-CARGO 171054.

AJ.BA



Bulb incl.: Yes
Watt: 21
Watt 2: 21/5
Watt 3: 5

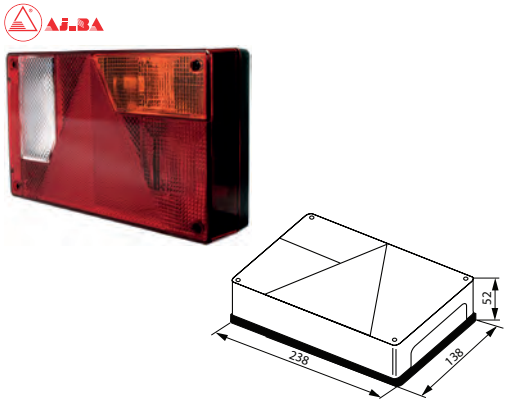
Dim.: 238x138x52 mm
Dist. mount. holes: 152 mm

Socket type: BA15S
Socket type 2: BAY15d
Socket type 3: S8.5
Material: Shockproof plastic
Shape: Rectangular
Reflector: w/
Fixing screw: 2
Flasher light: w/
Numberplate light: w/
Rear/fog lamp: w/o
Reverse light: w/o
Position light: w/o
Sidemarker lamp: w/o
Tail light: w/
Stop light: w/
RH/LH: RH
E-approval: Yes

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

171052 Multi Function Lamp Std pkg 1

Lens: HC-CARGO 171058. Supplied w/ HC-CARGO 171372, 171373. Left: HC-CARGO 171055.



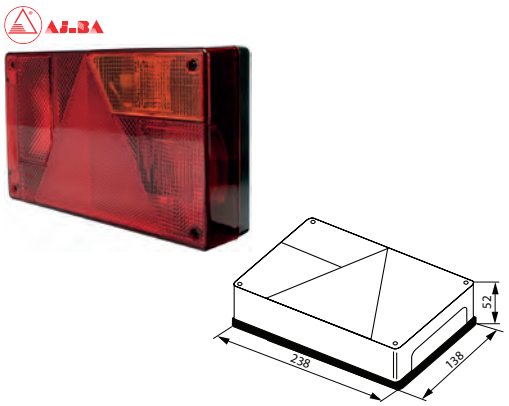
Bulb incl.: Yes
Watt: 21
Watt 2: 21/5
Watt 3: 5

Dim.: 238x138x52 mm
Dist. mount. holes: 152 mm

Socket type: BA15S
Socket type 2: BAY15d
Socket type 3: S8.5
Material: Shockproof plastic
Shape: Rectangular
Reflector: w/
Fixing screw: 2
Flasher light: w/
Numberplate light: w/
Rear/fog lamp: w/o
Reverse light: w/
Position light: w/o
Sidemarker lamp: w/o
Tail light: w/
Stop light: w/
RH/LH: RH
E-approval: Yes

171053 Multi Function Lamp Std pkg 1

Lens: HC-CARGO 171056. Multi Connector: HC-CARGO 171372, 171373. Left: HC-CARGO 171050.



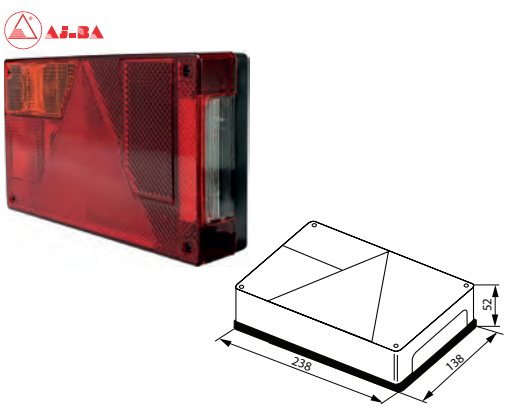
Bulb incl.: Yes
Watt: 21
Watt 2: 21/5
Watt 3: 5

Dim.: 238x138x52 mm
Dist. mount. holes: 152 mm

Socket type: BA15S
Socket type 2: BAY15d
Socket type 3: S8.5
Material: Shockproof plastic
Shape: Rectangular
Reflector: w/
Fixing screw: 2
Flasher light: w/
Numberplate light: w/
Rear/fog lamp: w/
Reverse light: w/o
Position light: w/o
Sidemarker lamp: w/o
Tail light: w/
Stop light: w/
RH/LH: RH
E-approval: Yes

171054 Multi Function Lamp Std pkg 1

Lens: HC-CARGO 171057. Plug: HC-CARGO 171372, 171373. Right: HC-CARGO 171051.



Bulb incl.: No
Watt: 21
Watt 2: 21/5
Watt 3: 5

Dim.: 238x138x52 mm
Dist. mount. holes: 152 mm

Socket type: BA15S
Socket type 2: BAY15d
Socket type 3: S8.5
Material: Shockproof plastic
Shape: Rectangular
Reflector: w/
Fixing screw: 2
Flasher light: w/
Numberplate light: w/
Rear/fog lamp: w/o
Reverse light: w/o
Position light: w/o
Sidemarker lamp: w/o
Tail light: w/
Stop light: w/
RH/LH: LH
E-approval: Yes

171055 Multi Function Lamp Std pkg 1

Lens: HC-CARGO 171059. Plug: HC-CARGO 171372, 171373. Right: HC-CARGO 171052.

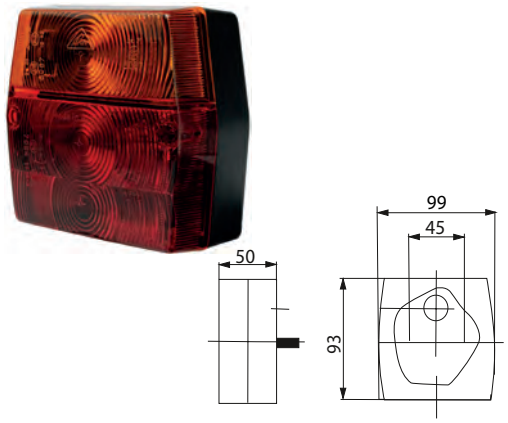
Bulb incl.: No
Watt: 21
Watt 2: 21/5
Watt 3: 5

Dim.: 238x138x52 mm
Dist. mount. holes: 152 mm

Socket type: BA15S
Socket type 2: BAY15d
Socket type 3: S8.5
Material: Shockproof plastic
Shape: Rectangular
Reflector: w/
Fixing screw: 2
Flasher light: w/
Numberplate light: w/
Rear/fog lamp: w/o
Reverse light: w/
Position light: w/o
Sidemarker lamp: w/o
Tail light: w/
Stop light: w/
RH/LH: LH
E-approval: Yes

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

171202 Multi Function Lamp — Std pkg 2



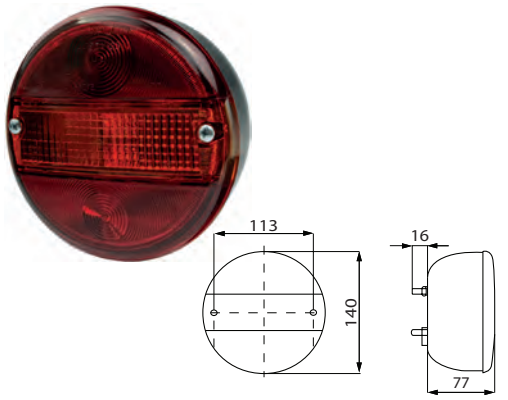
Bulb incl.: No
Watt: 10
Watt 2: 21/5

Dim.: 93x99x50 mm
Dist. mount. holes: 45 mm

Socket type: BA15S
Socket type 2: BAY15d
Connection: Terminal
Material: Shockproof plastic
Shape: Hexagon
Fixing screw: 2
Flasher light: w/
Numberplate light: w/o
Rear/fog lamp: w/o
Reverse light: w/o
Position light: w/o
Sidemarker lamp: w/o
Tail light: w/
Stop light: w/
RH/LH: RH/LH
E-approval: Yes

171328 Multi Function Lamp — Std pkg 1

Lens: HC-CARGO 171330.



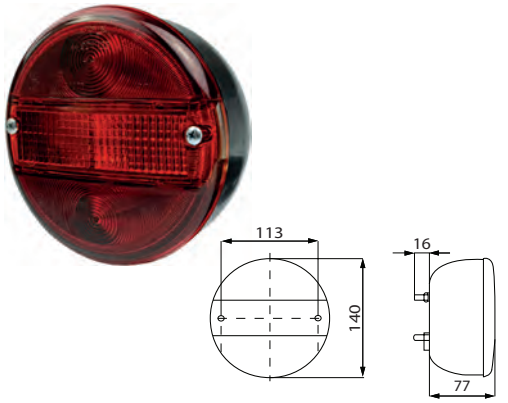
Bulb incl.: No
Watt: 21
Watt 2: 5

Dim.: 140x77 mm
OD: 140 mm
Dist. mount. holes: 45 mm

Socket type: BA15S
Socket type 2: BA15S
Connection: Terminal
Material: Shockproof plastic
Shape: Round
Fixing screw: 2
Flasher light: w/
Numberplate light: w/
Rear/fog lamp: w/o
Reverse light: w/o
Position light: w/o
Sidemarker lamp: w/o
Tail light: w/
Stop light: w/
E-approval: Yes

171329 Multi Function Lamp — Std pkg 1

Mounting kit: HC-CARGO 171266. Lens: HC-CARGO 171330.



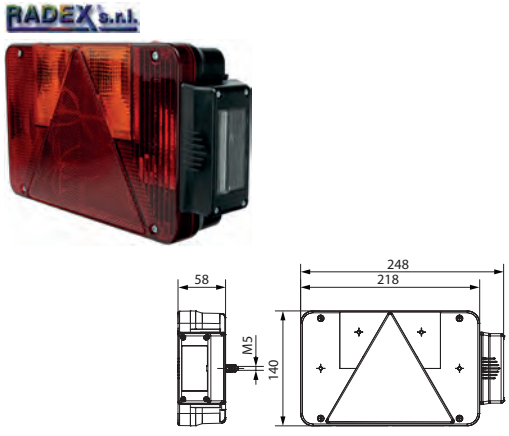
Bulb incl.: No
Watt: 21
Watt 2: 5

Dim.: 140x77 mm
OD: 140 mm
Dist. mount. holes: 45 mm

Socket type: BA15S
Socket type 2: BA15S
Connection: Terminal
Material: Shockproof plastic
Shape: Round
Fixing screw: 2
Flasher light: w/
Numberplate light: w/o
Rear/fog lamp: w/o
Reverse light: w/o
Position light: w/o
Sidemarker lamp: w/o
Tail light: w/
Stop light: w/
E-approval: Yes

171533 Multi Function Lamp — Std pkg 1

Lens: HC-CARGO 171015. Plug: HC-CARGO 171537, 171538. Right: HC-CARGO 171534.



Bulb incl.: No
Watt: 21
Watt 2: 21/5
Watt 3: 5

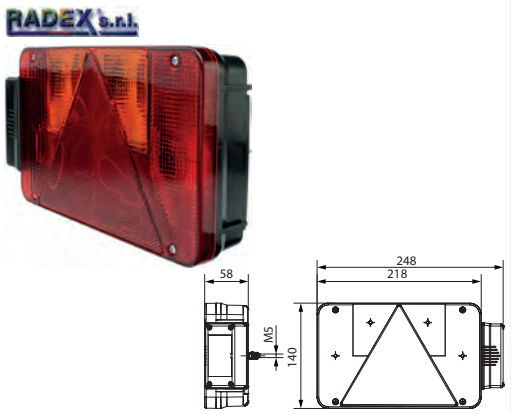
Dim.: 248x140x58 mm
Dist. mount. holes: 70 mm

Socket type: BA15S
Socket type 2: BAY15d
Socket type 3: S8.5
Material: Shockproof plastic
Shape: Rectangular
Reflector: w/
Fixing screw: 2
Flasher light: w/
Numberplate light: w/
Rear/fog lamp: w/o
Reverse light: w/o
Position light: w/o
Sidemarker lamp: w/o
Tail light: w/
Stop light: w/
RH/LH: LH
E-approval: Yes

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

171534 Multi Function Lamp — Std pkg 1

Lens: HC-CARGO 171016. Plug: HC-CARGO 171537, 171538. Left: HC-CARGO 171533.



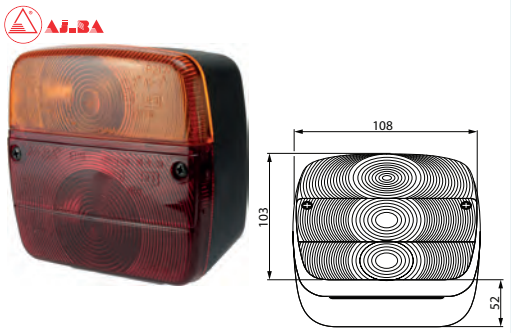
Bulb incl.: No
Watt: 21
Watt 2: 21/5
Watt 3: 5

Dim.: 248x140x58 mm
Dist. mount. holes: 70 mm

Socket type: BA15S
Socket type 2: BAY15d
Socket type 3: S8.5
Material: Shockproof plastic
Shape: Rectangular
Reflector: w/
Fixing screw: 2
Flasher light: w/
Numberplate light: w/
Rear/fog lamp: w/o
Reverse light: w/o
Position light: w/o
Sidemarker lamp: w/o
Tail light: w/
Stop light: w/
RH/LH: RH
E-approval: Yes

171822 Multi Function Lamp — Std pkg 1 — **Servicing:** HC-CARGO 171821

Multi connector: HC-CARGO 171372, 171373. Lens: HC-CARGO 170833.



Bulb incl.: Yes
Voltage: 12
Watt: 21
Watt 2: 21/5

Dim.: 108x103x52 mm
Dist. mount. holes: 45/55 mm

Socket type: BA15S
Socket type 2: BAY15d
Connection: Multiplug
Shape: Square
Flasher light: w/
Numberplate light: w/o
Rear/fog lamp: w/o
Reverse light: w/o
Position light: w/
Sidemarker lamp: w/o
Tail light: w/o
Stop light: w/
E-approval: Yes

171917 Multi Function Lamp — Std pkg 1

Bulb incl.: No
Watt: 5
Watt 2: 18
Watt 3: 18

Dim.: 115x54 mm
OD: 115 mm
Dist. mount. holes: 45 mm

Bulb type: 10.5x36 mm
Bulb type 2: 15x41 mm
Bulb type 3: 15x41 mm
Socket type: S8.5
Socket type 2: S8.5
Socket type 3: S8.5
Connection: Terminal
Colour/glass: Red/yellow
Material/lens: PMMA
Shape: Round
Fixing screw: 2
Flasher light: w/
Numberplate light: w/o
Rear/fog lamp: w/o
Reverse light: w/o
Position light: w/o
Sidemarker lamp: w/o
Tail light: w/
Stop light: w/
RH/LH: RH/LH

172021 Multi Function Lamp — Std pkg 1

Lens: HC-CARGO 172023. Multi connector: HC-CARGO 171537, 171538. Right: HC-CARGO 172022.

Bulb incl.: No
Watt: 21
Watt 2: 21/5
Watt 3: 5

Dim.: 200x140x52 mm
Dist. mount. holes: 152 mm

Socket type: BA15S
Socket type 2: BAY15d
Socket type 3: S8.5
Connection: Terminal
Material: Shockproof plastic
Shape: Rectangular
Reflector: w/
Fixing screw: 2
Flasher light: w/
Numberplate light: w/
Rear/fog lamp: w/
Reverse light: w/o
Position light: w/o
Sidemarker lamp: w/o
Tail light: w/
Stop light: w/
RH/LH: LH
E-approval: Yes

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

172022 Multi Function Lamp — Std pkg 1

Lens: HC-CARGO 172024. Multi connector: HC-CARGO 171537, 171538. Left: HC-CARGO 172021.

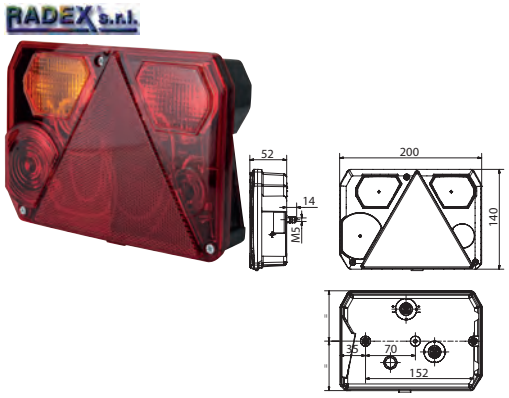
Bulb incl.: No
Watt: 21
Watt 2: 21/5
Watt 3: 5

Dim.: 200x140x52 mm
Dist. mount. holes: 152 mm

Socket type: BA15S
Socket type 2: BAY15d
Socket type 3: S8.5
Connection: Terminal
Material: Shockproof plastic
Shape: Rectangular
Reflector: w/
Fixing screw: 2
Flasher light: w/
Numberplate light: w/
Rear/fog lamp: w/o
Reverse light: w/
Position light: w/o
Sidemarker lamp: w/o
Tail light: w/
Stop light: w/
RH/LH: RH
E-approval: Yes

172025 Multi Function Lamp — Std pkg 1

Lens: HC-CARGO 172023. Plug: HC-CARGO 171537, 171538. Right: HC-CARGO 172026.



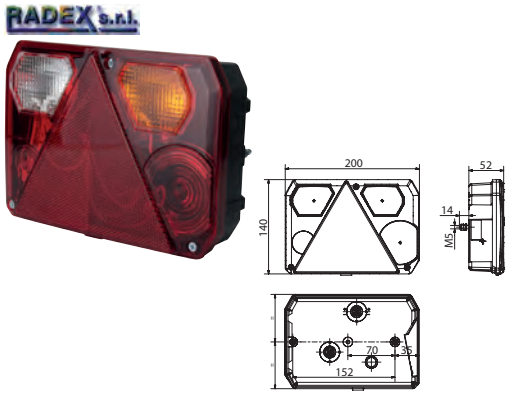
Bulb incl.: Yes
Voltage: 12
Watt: 21
Watt 2: 21/5
Watt 3: 5

Dim.: 200x140x52 mm
Dist. mount. holes: 152 mm

Socket type: BA15S
Socket type 2: BAY15d
Socket type 3: S8.5
Connection: Multiplug
Material: Shockproof plastic
Shape: Rectangular
Reflector: w/
Fixing screw: 2
Flasher light: w/
Numberplate light: w/
Rear/fog lamp: w/
Reverse light: w/o
Position light: w/o
Sidemarker lamp: w/o
Tail light: w/
Stop light: w/
RH/LH: LH
E-approval: Yes

172026 Multi Function Lamp — Std pkg 1

Lens: HC-CARGO 172024. Plug: HC-CARGO 171537, 171538. Left: HC-CARGO 172025.



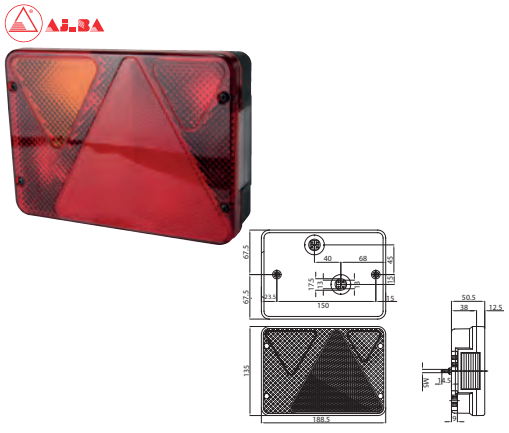
Bulb incl.: Yes
Voltage: 12
Watt: 21
Watt 2: 21/5
Watt 3: 5

Dim.: 200x140x52 mm
Dist. mount. holes: 152 mm

Socket type: BA15S
Socket type 2: BAY15d
Socket type 3: S8.5
Connection: Multiplug
Material: Shockproof plastic
Shape: Rectangular
Reflector: w/
Fixing screw: 2
Flasher light: w/
Numberplate light: w/
Rear/fog lamp: w/o
Reverse light: w/
Position light: w/o
Sidemarker lamp: w/o
Tail light: w/
Stop light: w/
RH/LH: RH
E-approval: Yes

172047 Multi Function Lamp — Std pkg 1

Lens: HC-CARGO 172051. Plug: HC-CARGO 171537, 171538. Right: HC-CARGO 172048.



Bulb incl.: Yes
Voltage: 12
Watt: 21
Watt 2: 21/5
Watt 3: 5

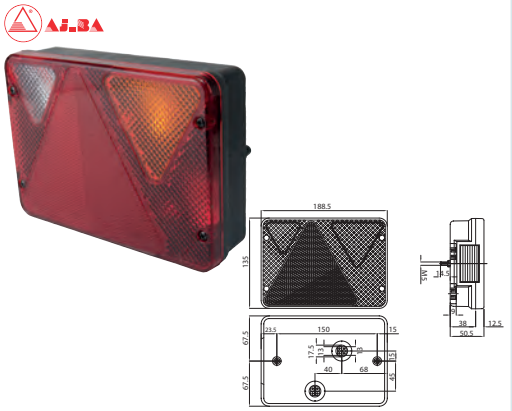
Dim.: 188.5x135x50.5 mm
Dist. mount. holes: 150 mm

Socket type: BA15S
Socket type 2: BAY15d
Socket type 3: S8.5
Connection: Multiplug
Colour: Black
Material: Polypropylene
Material/lens: PMMA
Shape: Rectangular
Reflector: w/
Fixing screw: 2
Flasher light: w/
Numberplate light: w/
Rear/fog lamp: w/
Reverse light: w/o
Position light: w/o
Sidemarker lamp: w/o
Tail light: w/
Stop light: w/
RH/LH: LH
E-approval: Yes

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

172048 Multi Function Lamp — Std pkg 1

Lens: HC-CARGO 172052. Plug: HC-CARGO 171537, 171538. Left: HC-CARGO 172047.



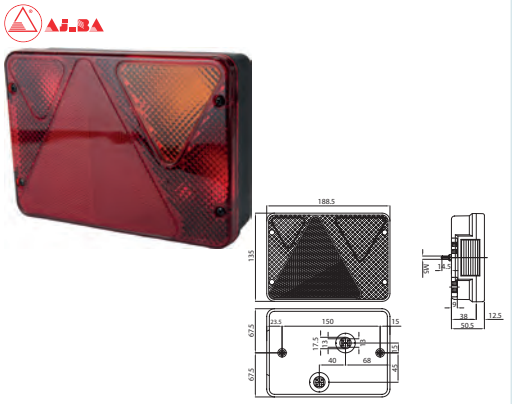
Bulb incl.: Yes
Voltage: 12
Watt: 21
Watt 2: 21/5
Watt 3: 5

Dim.:
188.5x135x50.5 mm
Dist. mount. holes:
150 mm

Socket type: BA15S
Socket type 2: BAY15d
Socket type 3: S8.5
Connection: Multiplug
Colour: Black
Material: Polypropylene
Material/lens: PMMA
Shape: Rectangular
Reflector: w/
Fixing screw: 2
Flasher light: w/
Numberplate light: w/
Rear/fog lamp: w/
Reverse light: w/o
Position light: w/o
Sidemarker lamp: w/o
Tail light: w/
Stop light: w/
RH/LH: RH
E-approval: Yes

172049 Multi Function Lamp — Std pkg 1 — **Servicing:** UK - Visit our web catalogue for further information

Lens: HC-CARGO 172057. Plug: HC-CARGO 171537, 171538. Left: HC-CARGO 172050.



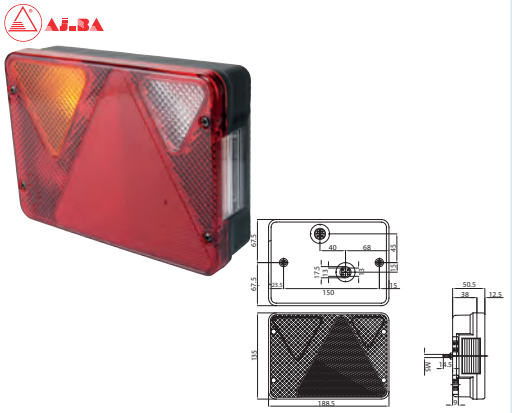
Bulb incl.: Yes
Voltage: 12
Watt: 21
Watt 2: 21/5
Watt 3: 5

Dim.:
188.5x135x50.5 mm
Dist. mount. holes:
150 mm

Socket type: BA15S
Socket type 2: BAY15d
Socket type 3: S8.5
Connection: Multiplug
Colour: Black
Material: Polypropylene
Material/lens: PMMA
Shape: Rectangular
Reflector: w/
Fixing screw: 2
Flasher light: w/
Numberplate light: w/
Rear/fog lamp: w/
Reverse light: w/o
Position light: w/o
Sidemarker lamp: w/o
Tail light: w/
Stop light: w/
RH/LH: RH
E-approval: Yes

172050 Multi Function Lamp — Std pkg 1 — **Servicing:** UK - Visit our web catalogue for further information

Lens: HC-CARGO 172058. Plug: HC-CARGO 171537, 171538. Right: HC-CARGO 172049.



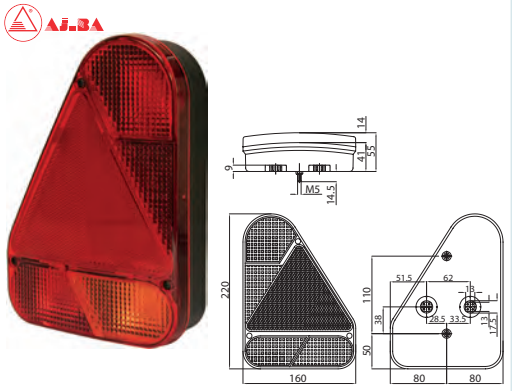
Bulb incl.: Yes
Voltage: 12
Watt: 21
Watt 2: 21/5
Watt 3: 5

Dim.:
188.5x135x50.5 mm
Dist. mount. holes:
150 mm

Socket type: BA15S
Socket type 2: BAY15d
Socket type 3: S8.5
Connection: Multiplug
Colour: Black
Material: Polypropylene
Material/lens: PMMA
Shape: Rectangular
Reflector: w/
Fixing screw: 2
Flasher light: w/
Numberplate light: w/
Rear/fog lamp: w/
Reverse light: w/o
Position light: w/o
Sidemarker lamp: w/o
Tail light: w/
Stop light: w/
RH/LH: LH
E-approval: Yes

172068 Multi Function Lamp — Std pkg 1

Lens: HC-CARGO 172070. Plug: HC-CARGO 171537, 171538. Right: HC-CARGO 172069.



Bulb incl.: Yes
Voltage: 12
Watt: 21/5
Watt 2: 21

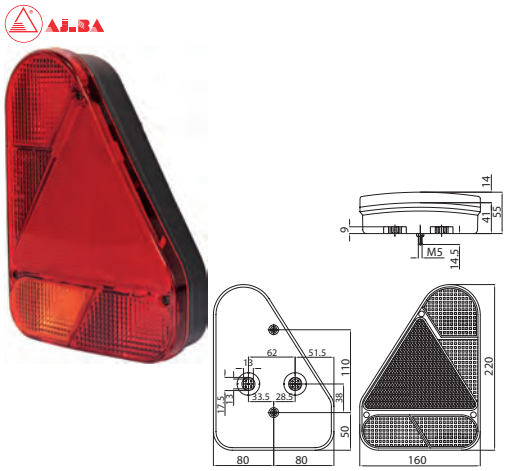
Dim.: 220x160x55 mm
Dist. mount. holes:
110 mm

Socket type: BAY15d
Socket type 2: BA15S
Connection: Multiplug
Colour: Black
Material: Polypropylene
Material/lens: Polycarbonate
Shape: Triangle
Reflector: w/
Fixing screw: 2
Flasher light: w/
Numberplate light: w/o
Rear/fog lamp: w/
Reverse light: w/o
Position light: w/o
Sidemarker lamp: w/o
Tail light: w/
Stop light: w/
RH/LH: LH
E-approval: Yes

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

172069 Multi Function Lamp — Std pkg 1

Lens: HC-CARGO 172071. Plug: HC-CARGO 171537, 171538. Right: HC-CARGO 172068.



Bulb incl.: Yes
Voltage: 12
Watt: 21/5
Watt 2: 21

Dim.: 220x160x55 mm
Dist. mount. holes: 110 mm

Socket type: BAY15d
Socket type 2: BA15S
Connection: Multiplug
Colour: Black
Material: Polypropylene
Material/lens: Polycarbonate
Shape: Triangle
Reflector: w/
Fixing screw: 2
Flasher light: w/
Numberplate light: w/o
Rear/fog lamp: w/
Reverse light: w/o
Position light: w/o
Sidemarker lamp: w/o
Tail light: w/
Stop light: w/
RH/LH: RH
E-approval: Yes

172153 Multi Function Lamp — Std pkg 1

Right: HC-CARGO 172154.

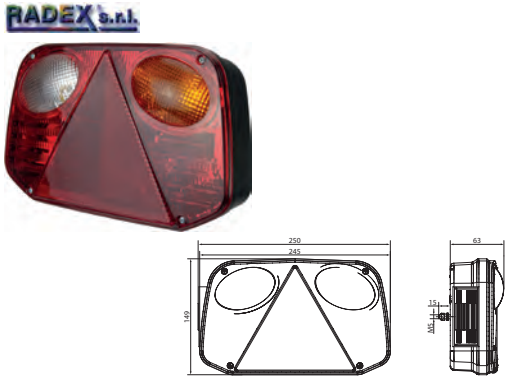
Bulb incl.: Yes
Voltage: 12
Watt: 21
Watt 2: 21/5

Dim.: 63x149x245 mm
Dist. mount. holes: 152 mm

Socket type: BA15S
Socket type 2: BAY15d
Connection: Multiplug
Colour: Black
Material: Shockproof plastic
Shape: Rectangular
Reflector: w/
Flasher light: w/
Numberplate light: w/
Rear/fog lamp: w/
Position light: w/
Stop light: w/
RH/LH: LH
E-approval: Yes

172154 Multi Function Lamp — Std pkg 1

Left: HC-CARGO 172153.



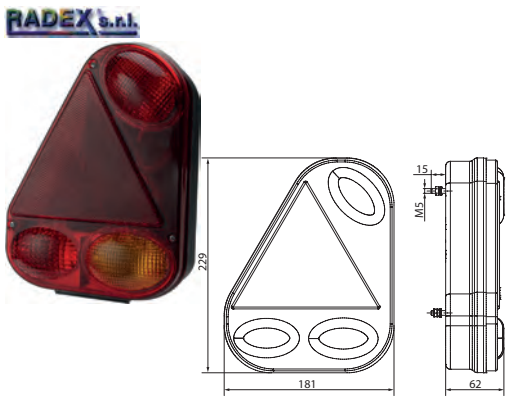
Bulb incl.: Yes
Voltage: 12
Watt: 21
Watt 2: 21/5

Dim.: 63x149x245 mm
Dist. mount. holes: 152 mm

Socket type: BA15S
Socket type 2: BAY15d
Connection: Multiplug
Colour: Black
Material/lens: Shockproof plastic
Shape: Rectangular
Reflector: w/
Flasher light: w/
Numberplate light: w/
Reverse light: w/
Position light: w/
Stop light: w/
RH/LH: RH
E-approval: Yes

172155 Multi Function Lamp — Std pkg 1

Right: HC-CARGO 172156. Plug: HC-CARGO 171537.



Bulb incl.: Yes
Voltage: 12
Watt: 21
Watt 2: 21/5

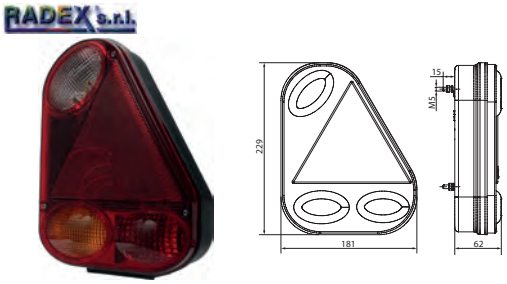
Dim.: 62x181x229 mm
Dist. mount. holes: 130 mm

Socket type: BA15S
Socket type 2: BAY15d
Colour: Black
Colour/glass: Red
Shape: Triangle
Reflector: w/
Flasher light: w/
Numberplate light: w/
Rear/fog lamp: w/
Position light: w/
Stop light: w/
RH/LH: LH
E-approval: Yes

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

172156 Multi Function Lamp — Std pkg 1

Left: HC-CARGO 172155. Plug: HC-CARGO 171538.



Bulb incl.: Yes
Voltage: 12
Watt: 21
Watt 2: 21/5

Dim.: 62x181x229 mm
Dist. mount. holes: 130 mm

Socket type: BA15S
Socket type 2: BAY15d
Colour: Black
Shape: Triangle
Reflector: w/
Flasher light: w/
Numberplate light: w/
Reverse light: w/
Position light: w/
Stop light: w/
RH/LH: RH
E-approval: Yes

172242 Multifunction Lamp — Std pkg 1

AMP SuperSeal: HC-CARGO 192084.

Bulb incl.: No
Voltage: 12/24
Watt: 21
Watt 2: 5
Watt 3: 21/5

Dim.: 140x93 mm
Dist. mount. holes: 45 mm

Bulb type: P21W
Bulb type 2: R5W
Bulb type 3: P21/5W
Socket type: BA15S
Socket type 2: BA15S
Socket type 3: BAY15d
Connection: AMP SuperSeal 1.5
Colour: Black
Material: Plastic
Shape: Oval
Mount.: 2 screws
Flasher light: w/
Numberplate light: w/o
Tail light: w/
Stop light: w/
RH/LH: RH/LH
Tightness norm: IP 55
E-approval: Yes
Alternativ no.: 172243

172243 Multifunction Lamp — Std pkg 1

Bulb incl.: No
Voltage: 12/24
Watt: 21
Watt 2: 5
Watt 3: 21/5

Dim.: 148x81x77 mm
Dist. mount. holes: 50 mm

Bulb type: P21W
Bulb type 2: R5W
Bulb type 3: P21/5W
Socket type: BA15S
Socket type 2: BA15S
Socket type 3: BAY15d
Connection: Connection
Colour: Black
Material: Plastic
Shape: Oval
Mount.: Sidemounted
Flasher light: w/
Numberplate light: w/o
Tail light: w/
Stop light: w/
RH/LH: RH/LH
Tightness norm: IP 55
E-approval: Yes
Alternativ no.: 172242

SPARE PARTS

170687 Lens, Rear Lamp — Std pkg 1 — **Servicing:** HC-CARGO 170685

Dim.: 104x98 mm

Shape: Square
RH/LH: RH/LH

170833 Lens, Rear Lamp — Std pkg 1 — **Servicing:** HC-CARGO 170939, 170940, 171821, 171822, 171873

Dim.: 108x103x52 mm

Material: Shockproof plastic
Shape: Square
Flasher light: w/
Numberplate light: w/o
Rear/fog lamp: w/o
Reverse light: w/o
Position light: w/o
Sidemarker lamp: w/o
Tail light: w/
Stop light: w/
RH/LH: RH/LH

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
170847 Lens, Rear Lamp Std pkg 1 **Servicing:** HC-CARGO 170846			
		Dim.: 111x82 mm	**Material:** Shockproof plastic **Shape:** Rectangular **RH/LH:** RH/LH
170944 Lens, Rear Lamp Std pkg 1 **Servicing:** HC-CARGO 170943			
		Dim.: 120x80 mm	**Material:** Shockproof plastic **Shape:** Rectangular **RH/LH:** RH/LH
170987 Lens, Rear Lamp Std pkg 1 **Servicing:** HC-CARGO 170985, 170986			
		Dim.: 180x60 mm	**Material:** Shockproof plastic **Shape:** Rectangular **RH/LH:** RH/LH
171015 Lens, Rear Lamp Std pkg 1 **Servicing:** HC-CARGO 171013, 171533			
		Dim.: 218x140 mm	**Material:** Shockproof plastic **Shape:** Rectangular **Reflector:** w/ **RH/LH:** LH
171016 Lens, Rear Lamp Std pkg 1 **Servicing:** HC-CARGO 171534, 171014			
		Dim.: 218x140 mm	**Material:** Shockproof plastic **Shape:** Rectangular **Reflector:** w/ **RH/LH:** RH
171056 Lens, Rear Lamp Std pkg 1 **Servicing:** HC-CARGO 171051, 171053			
		Dim.: 235x135x52 mm	**Material:** Shockproof plastic **Shape:** Rectangular **Reflector:** w/ **Numberplate light:** w/ **RH/LH:** RH
171057 Lens, Rear Lamp Std pkg 1 **Servicing:** HC-CARGO 171050, 171054			
		Dim.: 235x135x52 mm	**Material:** Shockproof plastic **Shape:** Rectangular **Reflector:** w/ **Numberplate light:** w/ **RH/LH:** LH

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

171058 Lens, Rear Lamp — Std pkg 1 — **Servicing:** HC-CARGO 171052

Dim.: 235x135 mm

Material: Shockproof plastic
Shape: Rectangular
Reflector: w/
Numberplate light: w/
RH/LH: RH

171059 Lens, Rear Lamp — Std pkg 1 — **Servicing:** HC-CARGO 171055

Dim.: 235x135 mm

Material: Shockproof plastic
Shape: Rectangular
Reflector: w/
Numberplate light: w/
RH/LH: LH

171162 Lens, Rear Lamp — Std pkg 1 — **Servicing:** Ford Transit 1986 - Visit our web catalogue for further information

Dim.: 364x94 mm

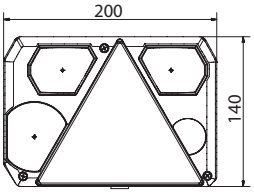
Material: Shockproof plastic
Shape: Rectangular
Reflector: w/
E-approval: Yes

171330 Lens, Rear Lamp — Std pkg 1 — **Servicing:** HC-CARGO 171328, 171329

OD: 140 mm

Shape: Round
RH/LH: RH/LH

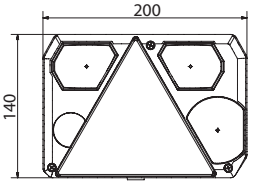
172023 Lens, Rear Lamp — Std pkg 1 — **Servicing:** HC-CARGO 172021, 172025



Dim.: 200x140 mm

Shape: Rectangular
Reflector: w/
RH/LH: LH

172024 Lens, Rear Lamp — Std pkg 1 — **Servicing:** HC-CARGO 172022, 172026



Dim.: 200x140 mm

Shape: Rectangular
Reflector: w/
Reverse light: w/
RH/LH: RH

172051 Lens, Rear Lamp — Std pkg 1 — **Servicing:** HC-CARGO 172047

Dim.: 188.5x135 mm

Material/lens: PMMA
Shape: Rectangular
RH/LH: LH

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

172052 Lens, Rear Lamp — Std pkg 1 — **Servicing:** HC-CARGO 172048

Dim.: 188.5x135 mm

Material: PMMA
Shape: Rectangular
RH/LH: RH

172057 Lens, Rear Lamp — Std pkg 1 — **Servicing:** HC-CARGO 172049

Dim.: 188.5x135 mm

Material/lens: PMMA
Shape: Rectangular
RH/LH: RH

172058 Lens, Rear Lamp — Std pkg 1 — **Servicing:** HC-CARGO 172050

Dim.: 188.5x135 mm

Material/lens: PMMA
Shape: Rectangular
RH/LH: LH

172070 Lens, Rear Lamp — Std pkg 1 — **Servicing:** HC-CARGO 172068

Dim.: 220x160 mm

Material/lens: Polycarbonate
Shape: Rectangular
RH/LH: LH

172071 Lens, Rear Lamp — Std pkg 1 — **Servicing:** HC-CARGO 172069

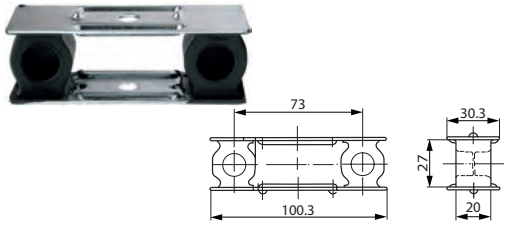
Dim.: 220x160 mm

Material/lens: Polycarbonate
Shape: Rectangular
RH/LH: RH

ACCESSORIES

170604 Vibration Damper — Std pkg 2 — **Servicing:** HC-CARGO 170602, 170603

Gives a longer life to the bulbs.



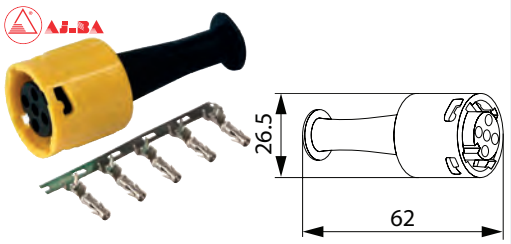
171266 Mounting kit — Std pkg 1 — **Servicing:** HC-CARGO 171329, 171549, 171550, 171684, 171685

Circulars.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

171372 Multi Connector Std pkg 1 — **Servicing:** HC-CARGO 171050, 171051, 171052, 171053, 171054, 171055, 171818, 171821, 171822, 171873

Socket w/ quick connection. Terminal: HC-CARGO 191075.

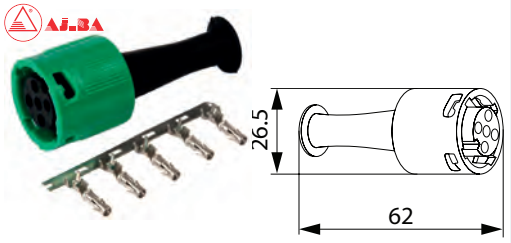


Dim.: 62x26.5 mm

Colour: Yellow
RH/LH: LH
E-approval: Yes

171373 Multi Connector Std pkg 1 — **Servicing:** HC-CARGO 171050, 171051, 171052, 171053, 171054, 171055, 171818, 171821, 171822, 171873

Socket w/ quick connection. Terminal: HC-CARGO 191075.

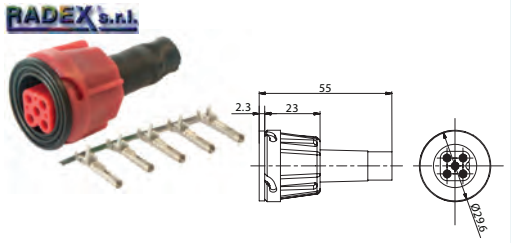


Dim.: 62x26.5 mm

Colour: Green
RH/LH: RH
E-approval: Yes

171537 Multi Connector Std pkg 1 — **Servicing:** HC-CARGO 171533, 171534, 172021, 172022, 172025, 172026, 172047, 172048, 172049, 172050, 172068, 172069, 171870, 171871

Socket w/ quick connection. Terminal: HC-CARGO 191075.

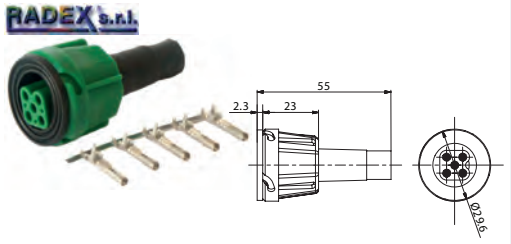


Dim.: 55x28 mm

Colour: Red
RH/LH: LH

171538 Multi Connector Std pkg 1 — **Servicing:** HC-CARGO 171533, 171534, 172021, 172022, 172025, 172026, 172047, 172049, 172048, 172050, 172068, 172069, 171871, 171870

Socket w/ quick connection. Terminal: HC-CARGO 191075.



Dim.: 55x28 mm

Colour: Green
RH/LH: RH

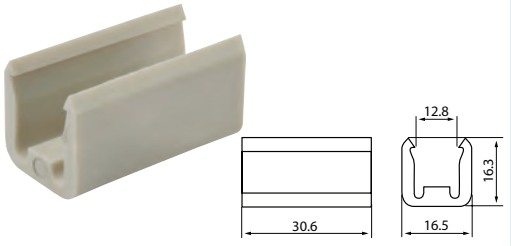
172015 Cable w/ plug Std pkg 2

Cover of click-in connector: HC-CARGO 172016.

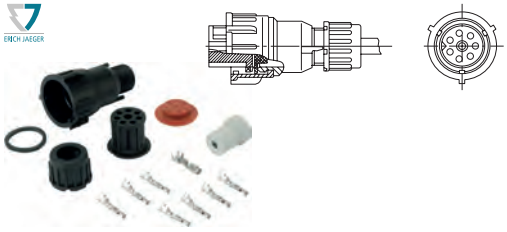
Roll size: 1 m

Shape: Round

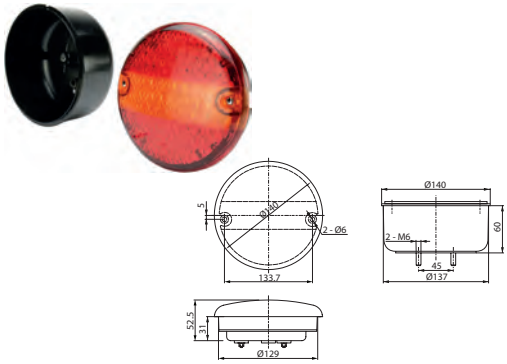
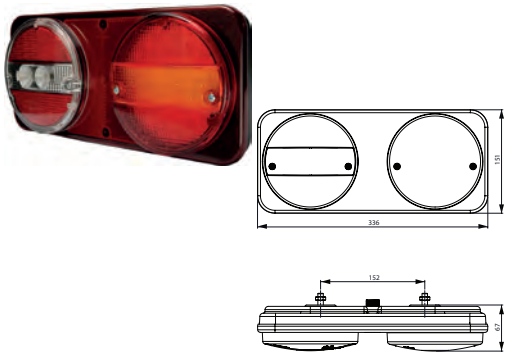
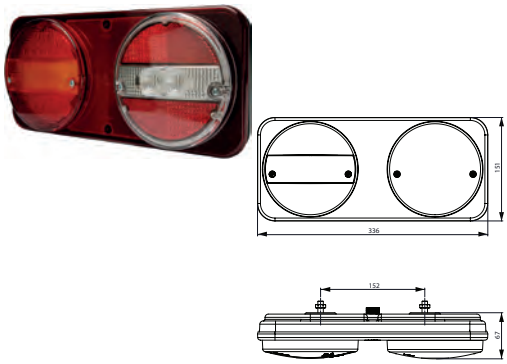
172016 Cover of click-in connector Std pkg 10 — **Servicing:** HC-CARGO 171730, 171731, 171732, 171733, 171734, 172015



ID: 12.8 mm
Total length: 30.6 mm
Height: 16.3 mm
Width: 16.5 mm

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
172066 Multiconnector 6 pin Std pkg 1	**Servicing:** HC-CARGO 171506, 171756, 171757, 171802, 171803, 171927, 171928, 171929, 171930, 172061, 172062, 172063, 172064		
			Type/terminal: Round **Colour:** Black **No./poles:** 6 **Plug:** Female
181627 Bayonet connector Std pkg 1	**Servicing:** HC-CARGO 181617		
	**Voltage:** 12		**Mount.:** Terminal **No./poles:** 8 **DIN norm:** 72580

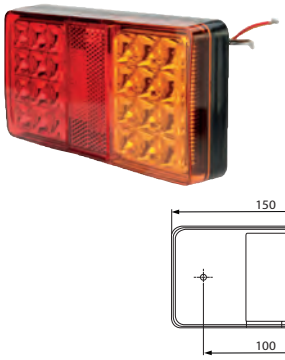
TRAILER LAMPS LED

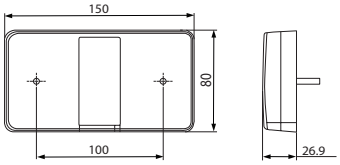
171549 LED Multifunction Lamp Std pkg 1			
Mounting kit: HC-CARGO 171266.			
	**Voltage:** 9-33	**Dim.:** 140x60 mm **Dist. mount. holes:** 45 mm	**Type:** LED Multifunction Lamp **Connection:** Terminal **Colour:** Black **Material:** Shockproof plastic **Shape:** Round **Fixing screw:** 2 **Flasher light:** w/ **Numberplate light:** w/o **Rear/fog lamp:** w/o **Reverse light:** w/o **Position light:** w/o **Sidemarker lamp:** w/o **Tail light:** w/ **Stop light:** w/ **No./LEDs:** 63 **E-approval:** Yes
171665 LED Multifunction Lamp Std pkg 1			
Right: HC-CARGO 171666.			
	**Voltage:** 12/24	**Dim.:** 336x151x67 mm **Dist. mount. holes:** 152 mm	**Type:** LED Multifunction Lamp **Connection:** Terminal **Material:** Shockproof plastic **Shape:** Rectangular **Reflector:** w/ **Flasher light:** w/ **Numberplate light:** w/o **Rear/fog lamp:** w/o **Reverse light:** w/ **Position light:** w/o **Sidemarker lamp:** w/o **Tail light:** w/ **Stop light:** w/ **RH/LH:** LH **Tightness norm:** IP 54 **E-approval:** Yes
171666 LED Multifunction Lamp Std pkg 1			
Left: HC-CARGO 171665.			
	**Voltage:** 12/24	**Dim.:** 336x151x67 mm **Dist. mount. holes:** 152 mm	**Type:** LED Multifunction Lamp **Connection:** Terminal **Material:** Shockproof plastic **Shape:** Rectangular **Reflector:** w/ **Flasher light:** w/ **Numberplate light:** w/o **Rear/fog lamp:** w/o **Reverse light:** w/ **Position light:** w/o **Sidemarker lamp:** w/o **Tail light:** w/ **Stop light:** w/ **RH/LH:** RH **Tightness norm:** IP 54 **E-approval:** Yes

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

171667 LED Multifunction Lamp Std pkg 1

White = ground. Brown = tail light. Red = stop. Yellow = indicator.





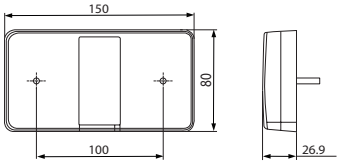
Voltage: 12/24

Dim.: 150x80x26.9 mm
Dist. mount. holes: 100 mm

Type: LED Multifunction Lamp
Connection: Cable
Material: Plastic
Shape: Rectangular
Reflector: w/
Flasher light: w/
Numberplate light: w/o
Rear/fog lamp: w/o
Reverse light: w/o
Position light: w/o
Sidemarker lamp: w/o
Tail light: w/
Stop light: w/
No./LEDs: 24
Tightness norm: IP 67
E-approval: Yes

171668 LED Multifunction Lamp Std pkg 1

White = ground. Brown = tail light. Red = stop. Yellow = indicator.



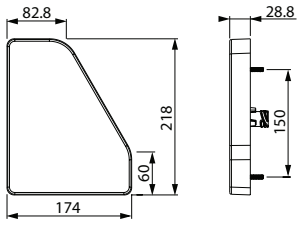
Voltage: 12/24

Dim.: 150x80x26.9 mm
Dist. mount. holes: 100 mm

Type: LED Multifunction Lamp
Connection: Cable
Colour/glass: Transparent
Material: Shockproof plastic
Material/lens: Glass
Shape: Rectangular
Reflector: w/
Flasher light: w/
Numberplate light: w/o
Rear/fog lamp: w/o
Reverse light: w/o
Position light: w/o
Sidemarker lamp: w/o
Tail light: w/
Stop light: w/
No./LEDs: 24
Tightness norm: IP 67
E-approval: Yes

171756 LED Multifunction Lamp Std pkg 1

Multi-plug: HC-CARGO 171788, 172066. Left: HC-CARGO 171757.



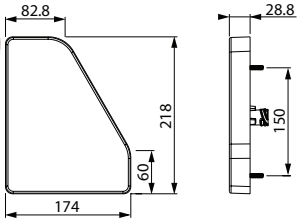
Voltage: 12/24

Dim.: 174x218x28.8 mm
Dist. mount. holes: 150 mm

Type: LED Tail/position lamp
Connection: Multiplug
Material: Shockproof plastic
Material/lens: Shockproof plastic
Shape: Triangle
Reflector: w/
Flasher light: w/
Numberplate light: w/o
Rear/fog lamp: w/
Reverse light: w/
Position light: w/o
Sidemarker lamp: w/o
Tail light: w/
Stop light: w/
RH/LH: RH
Tightness norm: IP 67
E-approval: Yes

171757 LED Multifunction Lamp Std pkg 1

Multi-plug: HC-CARGO 171788, 172066. Right: HC-CARGO 171756.



Voltage: 12/24

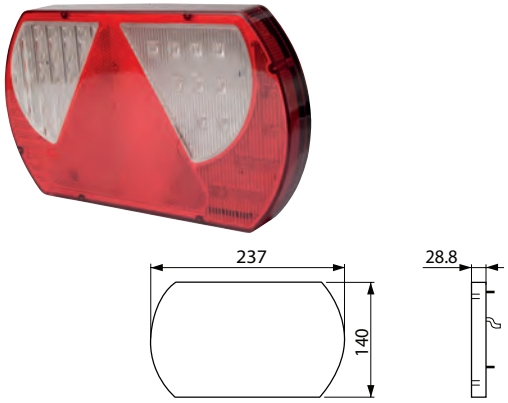
Dim.: 174x218x28.8 mm
Dist. mount. holes: 150 mm

Type: LED Tail/position lamp
Connection: Multiplug
Material: Shockproof plastic
Material/lens: Shockproof plastic
Shape: Triangle
Reflector: w/
Flasher light: w/
Numberplate light: w/o
Rear/fog lamp: w/
Reverse light: w/
Position light: w/o
Sidemarker lamp: w/o
Tail light: w/
Stop light: w/
RH/LH: LH
Tightness norm: IP 67
E-approval: Yes

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

171758 LED Multifunction Lamp — Std pkg 1

White = ground. Red = stop. Black = tail. Yellow = indicator. Brown = reverse. Left: HC-CARGO 171759.



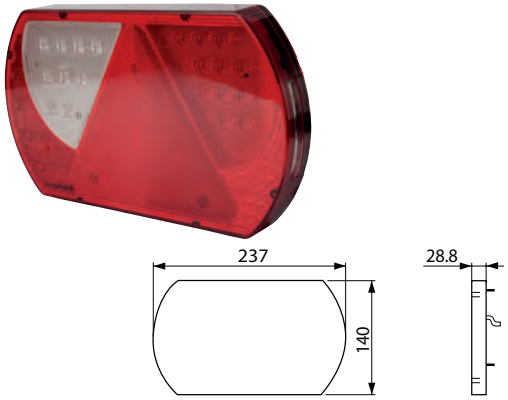
Voltage: 12/24

Dim.: 237x140x28.8 mm
Cable length: 2000 mm
Dist. mount. holes: 152 mm

Type: LED Tail lamp
Connection: Cable
Material: Shockproof plastic
Material/lens: Shockproof plastic
Shape: Oval
Mount.: 2 screws
Reflector: w/
Flasher light: w/
Numberplate light: w/
Rear/fog lamp: w/o
Reverse light: w/
Position light: w/o
Sidemarker lamp: w/o
Tail light: w/
Stop light: w/
RH/LH: RH
Tightness norm: IP 66
E-approval: Yes

171759 LED Multifunction Lamp — Std pkg 1

White = ground. Red = stop. Black = tail. Yellow = indicator. Blue = fog. Right: HC-CARGO 171758.



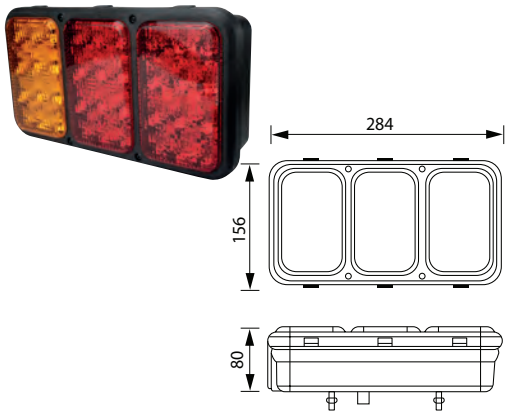
Voltage: 12/24

Dim.: 237x140x28.8 mm
Cable length: 2000 mm
Dist. mount. holes: 152 mm

Type: LED Tail lamp
Connection: Cable
Material: Shockproof plastic
Material/lens: Shockproof plastic
Shape: Oval
Mount.: 2 screws
Reflector: w/
Flasher light: w/
Numberplate light: w/
Rear/fog lamp: w/
Reverse light: w/o
Position light: w/o
Sidemarker lamp: w/o
Tail light: w/
Stop light: w/
RH/LH: LH
Tightness norm: IP 66
E-approval: Yes

171772 LED Multifunction Lamp — Std pkg 1

White=ground. Brown=tail. Yellow=flasher. Red=stop.



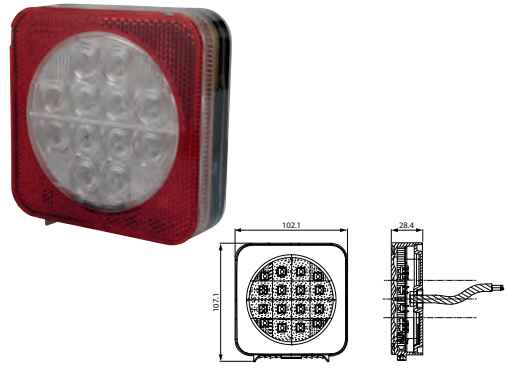
Voltage: 24

Dim.: 284x156x102 mm
Dist. mount. holes: 130x78 mm

Type: LED Tail lamp
Connection: Cable
Material: Polypropylene
Material/lens: PMMA
Shape: Rectangular
Mount.: 4 screws
Reflector: w/
Flasher light: w/
Numberplate light: w/o
Rear/fog lamp: w/o
Reverse light: w/o
Position light: w/o
Sidemarker lamp: w/o
Tail light: w/
Stop light: w/
No./LEDs: 3x16
RH/LH: RH/LH
Tightness norm: IP 67
E-approval: Yes

171789 LED Multifunction Lamp — Std pkg 1

Vertical mount.



Voltage: 12/24

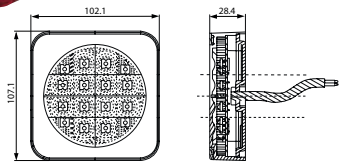
Dim.: 102.1x107.1x28.4 mm
Cable length: 500 mm
Dist. mount. holes: 45 mm

Type: LED Tail lamp
Connection: Cable
Material: Polycarbonate
Material/lens: Polycarbonate
Shape: Square
Mount.: 2 screws
Reflector: w/
Flasher light: w/
Numberplate light: w/
Tail light: w/
Stop light: w/
No./LEDs: 12
RH/LH: RH/LH
Tightness norm: IP 67
E-approval: Yes

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

171790 LED Multifunction Lamp Std pkg 1

Vertical mount.



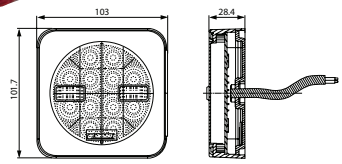
Voltage: 12/24

Dim.: 102.1x28.4 mm
Cable length: 500 mm
Dist. mount. holes: 45 mm

Type: LED Tail lamp
Connection: Cable
Material: Polycarbonate
Material/lens: Polycarbonate
Shape: Square
Mount.: 2 screws
Reflector: w/
Flasher light: w/
Numberplate light: w/o
Tail light: w/
Stop light: w/
No./LEDs: 12
RH/LH: RH/LH
Tightness norm: IP 67
E-approval: Yes

171791 LED Multifunction Lamp Std pkg 1

Horizontal mount.



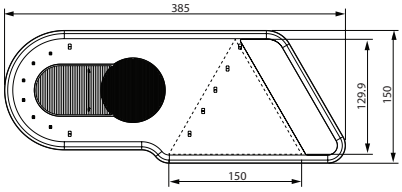
Voltage: 12/24

Dim.: 103x101.7x28.4 mm
Cable length: 500 mm
Dist. mount. holes: 45 mm

Type: LED Tail lamp
Connection: Cable
Material: Polycarbonate
Material/lens: Polycarbonate
Shape: Square
Mount.: 2 screws
Reflector: w/
Flasher light: w/
Numberplate light: w/
Tail light: w/
Stop light: w/
No./LEDs: 12
RH/LH: RH/LH
Tightness norm: IP 67
E-approval: Yes

171927 LED Multifunction Lamp Std pkg 1

Multi-plug: HC-CARGO 171788, 172066. Left: HC-CARGO 171928.



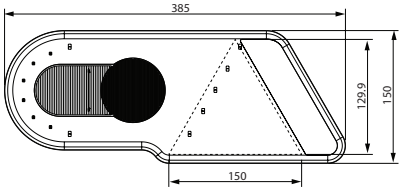
Voltage: 12-24

Dim.: 385x150x34.1 mm
Dist. mount. holes: 152.3 mm

Type: LED Multifunction Lamp
Connection: Multiplug
Shape: Rectangular
Reflector: w/
Flasher light: w/
Numberplate light: w/o
Rear/fog lamp: w/
Reverse light: w/
Position light: w/o
Sidemarker lamp: w/o
Tail light: w/
Stop light: w/
RH/LH: RH
Tightness norm: IP 67
E-approval: Yes

171928 LED Multifunction Lamp Std pkg 1

Multi-plug: HC-CARGO 171788, 172066. Right: HC-CARGO 171927.



Voltage: 12-24

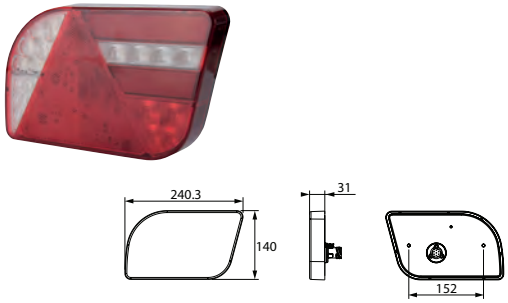
Dim.: 385x150x34.1 mm
Dist. mount. holes: 152 mm

Type: LED Multifunction Lamp
Connection: Multiplug
Shape: Rectangular
Reflector: w/
Flasher light: w/
Numberplate light: w/o
Rear/fog lamp: w/
Reverse light: w/
Position light: w/o
Sidemarker lamp: w/o
Tail light: w/
Stop light: w/
RH/LH: LH
Tightness norm: IP 67
E-approval: Yes

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

171929 LED Multifunction Lamp Std pkg 1

Multi-plug: HC-CARGO 171788, 172066. Left: HC-CARGO 171930.



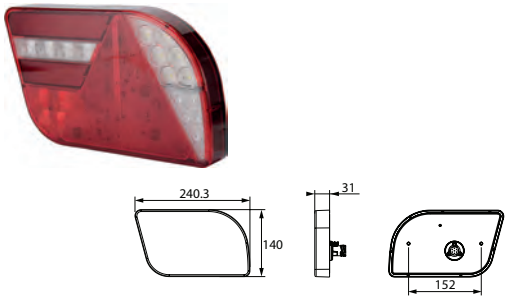
Voltage: 12-24

Dim.: 240.3x140x31 mm
Dist. mount. holes: 152 mm

Type: LED Multifunction Lamp
Connection: Multiplug
Shape: Rectangular
Reflector: w/
Flasher light: w/
Numberplate light: w/o
Rear/fog lamp: w/
Reverse light: w/
Position light: w/o
Sidemarker lamp: w/o
Tail light: w/
Stop light: w/
RH/LH: RH
Tightness norm: IP 67
E-approval: Yes

171930 LED Multifunction Lamp Std pkg 1

Multi-plug: HC-CARGO 171788, 172066. Right: HC-CARGO 171929.

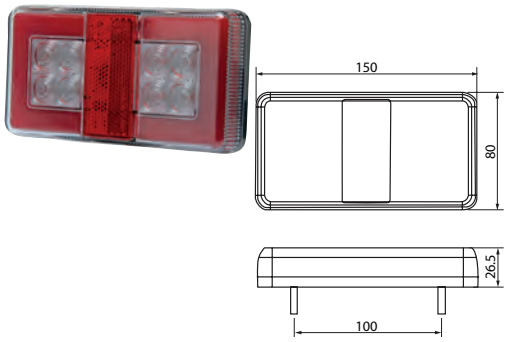


Voltage: 12-24

Dim.: 240.3x140x31 mm
Dist. mount. holes: 152 mm

Type: LED Multifunction Lamp
Connection: Multiplug
Shape: Rectangular
Reflector: w/
Flasher light: w/
Numberplate light: w/o
Rear/fog lamp: w/
Reverse light: w/
Position light: w/o
Sidemarker lamp: w/o
Tail light: w/
Stop light: w/
RH/LH: LH
Tightness norm: IP 67
E-approval: Yes

171952 LED Multifunction Lamp Std pkg 1



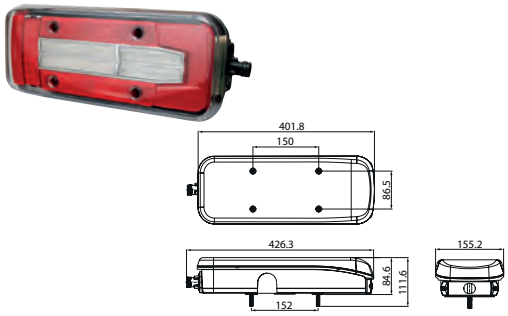
Voltage: 12-24

Dim.: 150x80x26.5 mm
Cable length: 300 mm
Dist. mount. holes: 100 mm

Type: LED Multifunction Lamp
Connection: Cable
Shape: Rectangular
Mount.: 2 screws
Reflector: w/
No./reflectors: 1
Flasher light: w/
Numberplate light: w/o
Rear/fog lamp: w/o
Reverse light: w/o
Position light: w/o
Sidemarker lamp: w/o
Tail light: w/
Stop light: w/
Tightness norm: IP 67
Approval: CE
E-approval: Yes

172061 LED Multifunction Lamp Std pkg 1

Lens: HC-CARGO 172065. Plug: HC-CARGO 171788, 172066. Left: HC-CARGO 172062.



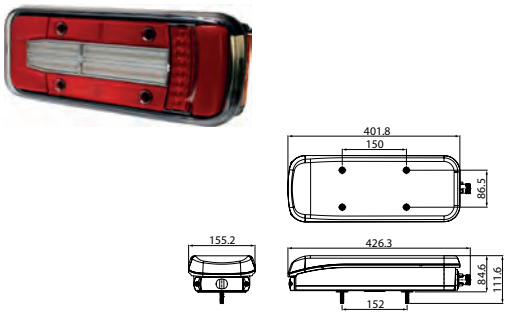
Voltage: 12-24

Dim.: 426.3x155.2x111.6 mm
Dist. mount. holes: 152 mm

Type: LED
Material: PP
Material/lens: Polycarbonate
Shape: Rectangular
Reflector: w/
Flasher light: w/
Numberplate light: w/o
Rear/fog lamp: w/
Reverse light: w/
Position light: w/o
Sidemarker lamp: w/
Tail light: w/
Stop light: w/
RH/LH: RH
Tightness norm: IP 67
E-approval: Yes

172062 LED Multifunction Lamp Std pkg 1

Lens: HC-CARGO 172065. Plug: HC-CARGO 171788, 172066. Right: HC-CARGO 172061.



Voltage: 12-24

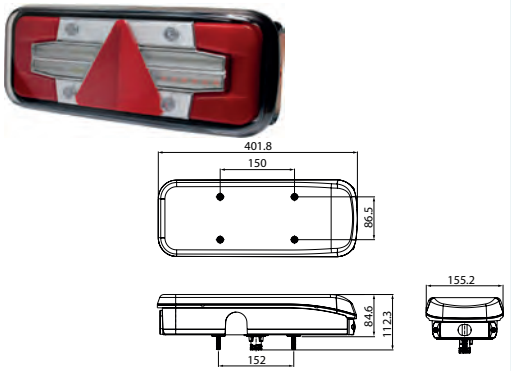
Dim.: 426.3x155.2x111.6 mm
Dist. mount. holes: 152 mm

Type: LED
Material: PP
Material/lens: Polycarbonate
Shape: Rectangular
Reflector: w/
Flasher light: w/
Numberplate light: w/o
Rear/fog lamp: w/
Reverse light: w/
Position light: w/o
Sidemarker lamp: w/
Tail light: w/
Stop light: w/
RH/LH: LH
Tightness norm: IP 67
E-approval: Yes

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

172063 LED Multifunction Lamp Std pkg 1

Lens: HC-CARGO 172067. Plug: HC-CARGO 171788, 172066. Left: HC-CARGO 172064.



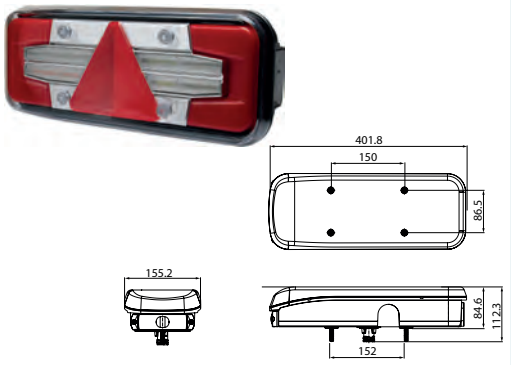
Voltage: 12-24

Dim.: 401.8x155.2x112.3 mm
Dist. mount. holes: 152 mm

Type: LED
Material: PP
Material/lens: Polycarbonate
Shape: Rectangular
Reflector: w/
Flasher light: w/
Numberplate light: w/o
Rear/fog lamp: w/
Reverse light: w/
Position light: w/o
Sidemarker lamp: w/
Tail light: w/
Stop light: w/
RH/LH: RH
Tightness norm: IP 67
E-approval: Yes

172064 LED Multifunction Lamp Std pkg 1

Lens: HC-CARGO 172067. Plug: HC-CARGO 171788, 172066. Right: HC-CARGO 172063.



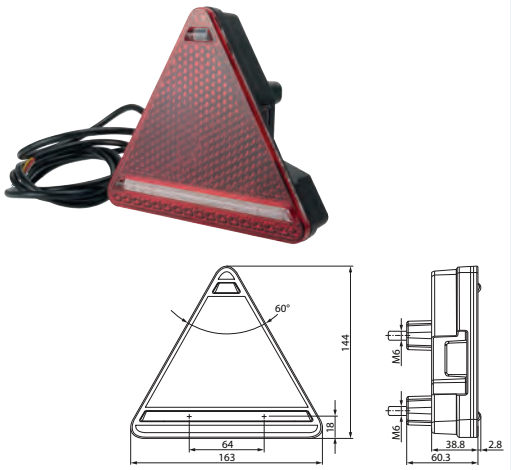
Voltage: 12-24

Dim.: 401.8x155.2x112.3 mm
Dist. mount. holes: 152 mm

Type: LED
Material: PP
Material/lens: Polycarbonate
Shape: Rectangular
Reflector: w/
Flasher light: w/
Numberplate light: w/o
Rear/fog lamp: w/
Reverse light: w/
Position light: w/o
Sidemarker lamp: w/
Tail light: w/
Stop light: w/
RH/LH: LH
Tightness norm: IP 67
E-approval: Yes

172149 LED Multifunction Lamp Std pkg 1

Right: HC-CARGO 172151.



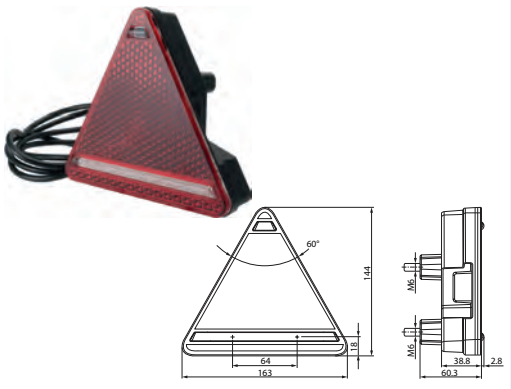
Voltage: 12/24

Dim.: 163x144 mm
Cable length: 1850 mm
Dist. mount. holes: 64 mm

Type: LED Tail lamp
Connection: Cable
Colour: Black
Colour/glass: Red
Material: PP
Material/lens: PMMA
Shape: Triangle
Mount.: Horizontal
Reflector: w/
Fixing screw: 2
Flasher light: w/
Numberplate light: w/
Rear/fog lamp: w/o
Reverse light: w/o
Sidemarker lamp: w/o
Tail light: w/
Stop light: w/
LEDs: w/
RH/LH: LH
Tightness norm: IP 66/68
E-approval: Yes

172150 LED Multifunction Lamp Std pkg 1

Right: HC-CARGO 172152.



Voltage: 12-24

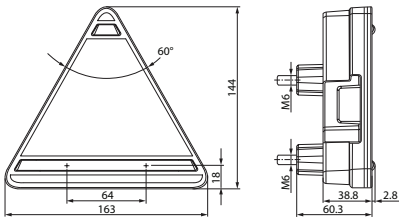
Dim.: 163x144 mm
Cable length: 1850 mm
Dist. mount. holes: 64 mm

Type: LED Tail lamp
Connection: Cable
Colour: Black
Colour/glass: Red
Material: PP
Material/lens: PMMA
Shape: Triangle
Mount.: Horizontal
Reflector: w/
Fixing screw: 2
Flasher light: w/
Tail light: w/
Stop light: w/
LEDs: w/
RH/LH: LH
Tightness norm: IP 66/68
E-approval: Yes

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

172151 LED Multifunction Lamp — Std pkg 1

Left: HC-CARGO 172149.



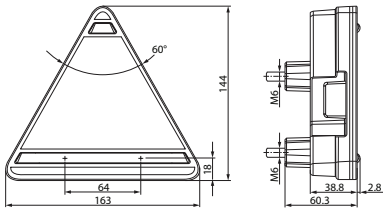
Voltage: 12-24

Dim.: 163x144 mm
Cable length: 1850 mm
Dist. mount. holes: 64 mm

Type: LED Tail lamp
Connection: Cable
Colour: Black
Colour/glass: Red
Material: PP
Material/lens: PMMA
Shape: Triangle
Mount.: Horizontal
Reflector: w/
Fixing screw: 2
Flasher light: w/
Numberplate light: w/
Rear/fog lamp: w/o
Reverse light: w/o
Sidemarker lamp: w/o
Tail light: w/
Stop light: w/
LEDs: w/
RH/LH: RH
Tightness norm: IP 66/68
E-approval: Yes

172152 LED Multifunction Lamp — Std pkg 1

Left: HC-CARGO 172150.



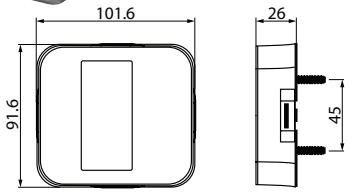
Voltage: 12-24

Dim.: 163x144 mm
Cable length: 1850 mm
Dist. mount. holes: 64 mm

Type: LED Tail lamp
Connection: Cable
Colour: Black
Colour/glass: Red
Material: PP
Material/lens: PMMA
Shape: Triangle
Mount.: Horizontal
Reflector: w/
Fixing screw: 2
Flasher light: w/
Tail light: w/
Stop light: w/
LEDs: w/
RH/LH: RH
Tightness norm: IP 66/68
E-approval: Yes

172214 LED Multifunction Lamp — Std pkg 1

w/ built-in resistor.



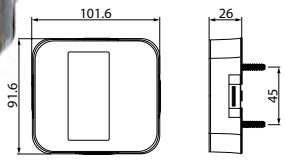
Voltage: 12

Dim.:
101.6x91.6x26 mm
Cable length: 500 mm
Dist. mount. holes: 45 mm

Type: LED Multifunction Lamp
Connection: Cable
Shape: Square
Mount.: 4 holes
Reflector: w/
Flasher light: w/
Numberplate light: w/
Tail light: w/
Stop light: w/
LEDs: w/
RH/LH: RH/LH
Tightness norm: IP 67
E-approval: Yes
Alternativ no.: 172218

172215 LED Multifunction Lamp — Std pkg 1

w/ built-in resistor.



Voltage: 12

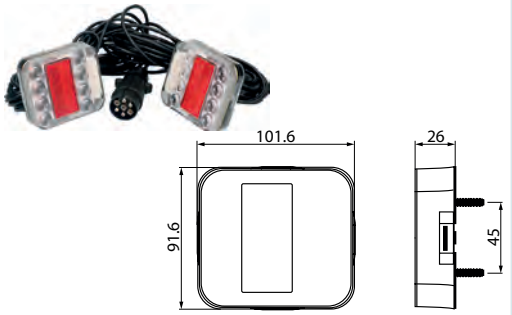
Dim.:
101.6x91.6x26 mm
Cable length: 500 mm
Dist. mount. holes: 45 mm

Type: LED Multifunction Lamp
Connection: Cable
Shape: Square
Mount.: 4 holes
Reflector: w/
Flasher light: w/
Numberplate light: w/o
Tail light: w/
Stop light: w/
LEDs: w/
RH/LH: RH/LH
Tightness norm: IP 67
E-approval: Yes

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

172216 LED Trailer lighting set — Std pkg 1

w/ built-in resistor.



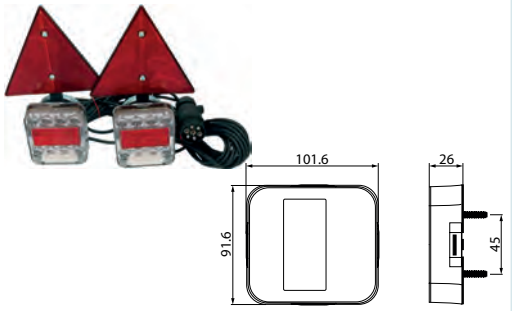
Voltage: 12

Dim.: 101.6x91.6x26 mm
Cable length: 2x7500 mm
Dist. mount. holes: 45 mm

Type: LED Multifunction Lamp
Connection: 7P Plug
Shape: Square
Mount.: 4 holes
No./lamps: 2
Reflector: w/
Flasher light: w/
Numberplate light: w/
Tail light: w/
Stop light: w/
LEDs: w/
Tightness norm: IP 67
E-approval: Yes
Alternativ no.: 172217

172217 LED Trailer lighting set — Std pkg 1

w/ built-in resistor.



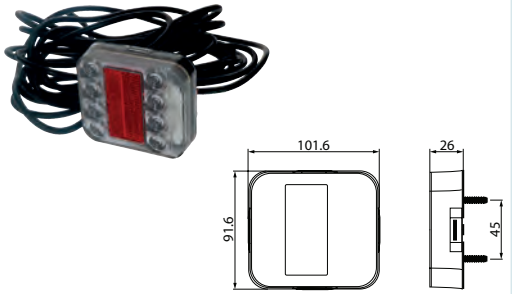
Voltage: 12

Dim.: 101.6x91.6x26 mm
Cable length: 2x7500 mm

Type: LED
Connection: 7P Plug
Shape: Square
Mount.: Magnetic
No./lamps: 2
Reflector: w/
Flasher light: w/
Numberplate light: w/
Tail light: w/
Stop light: w/
LEDs: w/
Tightness norm: IP 67
E-approval: Yes
Alternativ no.: 172216

172218 LED Multifunction Lamp — Std pkg 1

w/ built-in resistor.

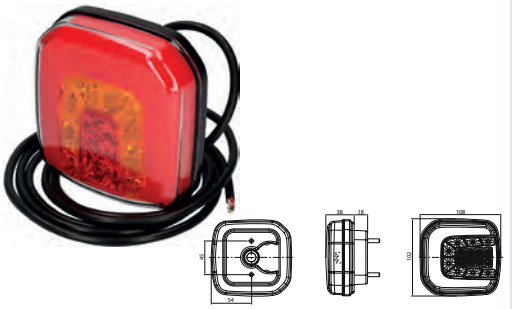


Voltage: 12

Dim.: 101.6x91.6x26 mm
Cable length: 7500 mm
Dist. mount. holes: 45 mm

Type: LED Multifunction Lamp
Connection: Cable
Shape: Square
Mount.: 4 holes
Reflector: w/
Flasher light: w/
Numberplate light: w/
Tail light: w/
Stop light: w/
LEDs: w/
RH/LH: RH/LH
Tightness norm: IP 67
E-approval: Yes
Alternativ no.: 172214

172240 LED Multifunction Lamp — Std pkg 1



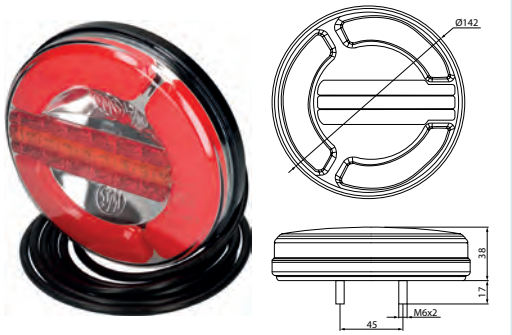
Voltage: 12/24

Dim.: 108x102x56 mm
Cable length: 2000 mm
Dist. mount. holes: 45 mm

Type: LED Multifunction Lamp
Connection: Cable
Colour: Black
Material: PC/ABS
Material/lens: PC/PMMA
Shape: Square
Fixing screw: 2
Flasher light: w/
Tail light: w/
Stop light: w/
RH/LH: RH/LH
Tightness norm: IP 66/68
Approval: ECE R10
E-approval: Yes

172241 LED Multifunction Lamp — Std pkg 1

Dynamic indicator.



Voltage: 12/24

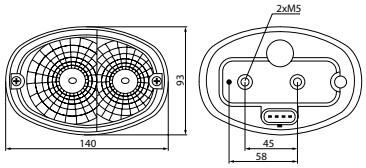
OD: 142 mm
Cable length: 2000 mm
Dist. mount. holes: 45 mm

Type: LED Multifunction Lamp
Connection: Cable
Colour: Black
Colour/glass: Transparent
Material: PC/ABS
Material/lens: PC/PMMA
Shape: Round
Fixing screw: 2
Flasher light: w/
Tail light: w/
Stop light: w/
RH/LH: RH/LH
Tightness norm: IP 66/68
Approval: ECE R10
E-approval: Yes

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

172244 Flasher/Position Lamp — Std pkg 1 — **Servicing:** JCB, John Deere - Visit our web catalogue for further information

AMP SuperSeal: HC-CARGO 192084.



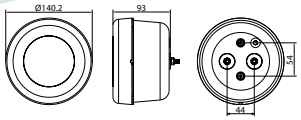
Bulb incl.: No
Voltage: 12/24
Watt: 21
Watt 2: 21/5

Dim.: 140x93 mm
Dist. mount. holes: 45 mm

Bulb type: P21W
Bulb type 2: R5W
Socket type: BA15S
Socket type 2: BA15S
Connection: AMP SuperSeal 1.5
Colour: Black
Material: Plastic
Shape: Oval
Mount.: 2 screws
Flasher light: w/
Tail light: w/
RH/LH: RH/LH
Tightness norm: IP 55
E-approval: Yes
Alternativ no.: 172245

172254* LED Multifunction Lamp — Std pkg 1

NEW PRODUCT
www.hc-cargo.com



Voltage: 12/24

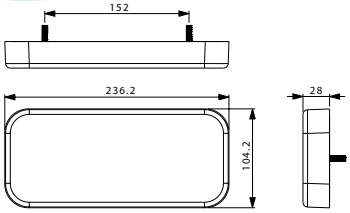
Dim.: 140x93 mm
Cable length: 230 mm
Dist. mount. holes: 44 mm

Type: LED Multifunction Lamp
Connection: Cable
Material: Polypropylene
Material/lens: Polycarbonate
Shape: Round
Fixing screw: 2
Flasher light: w/
Tail light: w/
Stop light: w/
Tightness norm: IP 67
E-approval: Yes

172287* LED Multifunction Lamp — Std pkg 1

Cable color: D.I.: Yellow. Stoplight: Red. Reverse light: Gray. Foglight: Blue. Tail light: Black.

NEW PRODUCT
www.hc-cargo.com



Voltage: 12/24

Dim.: 236.2x104.2x28 mm
Cable length: 500 mm
Dist. mount. holes: 152 mm

Type: LED Multifunction Lamp
Connection: Cable
Material/lens: Polycarbonate
Shape: Rectangular
Mount.: 2 screws
No./lamps: 5
Reflector: w/
Flasher light: w/
Numberplate light: w/o
Rear/fog lamp: w/
Reverse light: w/
Tail light: w/
Stop light: w/
RH/LH: RH/LH
Tightness norm: IP 69K
Approval: CE/ECE
E-approval: Yes

SPARE PARTS

172065 Lens, Rear Lamp — Std pkg 1 — **Servicing:** HC-CARGO 172061, 172062

Dim.: 401.8x155.2 mm

Material/lens: Polycarbonate
RH/LH: RH/LH

172067 Lens, Rear Lamp — Std pkg 1 — **Servicing:** HC-CARGO 172063, 172064

Dim.: 401.8x155.2 mm

Material/lens: Polycarbonate
RH/LH: RH/LH

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

ACCESSORIES

160970 Load Resistor 12 V — Std pkg 1

Contains: 2 pcs.

Voltage: 12
Amp: 2
Watt: Max. 50

Length: 50 mm
Width: 15 mm

160971 Load Resistor 24 V — Std pkg 1

Contains: 2 pcs.

Voltage: 24
Amp: 1
Watt: Max. 50

Length: 50 mm
Width: 15 mm

161922 Load Resistor — Std pkg 1

Contains: 2 pcs.

OSRAM

Voltage: 12
Watt: 21

161923 Load Resistor — Std pkg 1

Contains: 2 pcs.

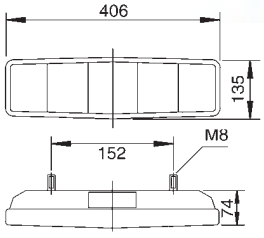
OSRAM

Voltage: 12
Watt: 5

TRAILER LAMPS CONVENTIONAL (TRUCKS)

170602 Multi Function Lamp — Std pkg 1 — **Servicing:** RVI Renault, Pegaso - Visit our web catalogue for further information

Lens: HC-CARGO 170665. Right: HC-CARGO 170603. Vibration Damper: HC-CARGO 170604.



Bulb incl.: No
Watt: 21
Watt 2: 5
Watt 3: 10

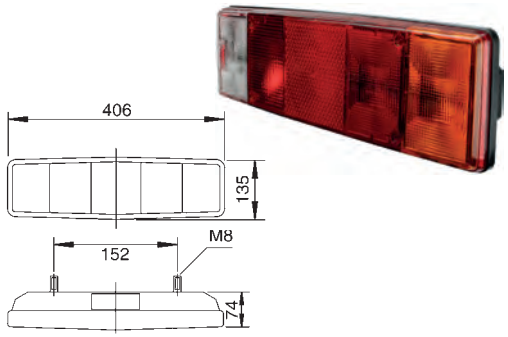
Dim.: 406x135x74 mm
Dist. mount. holes: 152 mm

Socket type: BA15S
Socket type 2: BA15S
Socket type 3: BA15S
Material: Shockproof plastic
Shape: Rectangular
Reflector: w/
Flasher light: w/
Numberplate light: w/
Rear/fog lamp: w/
Reverse light: w/
Position light: w/o
Sidemarker lamp: w/o
Tail light: w/
Stop light: w/
RH/LH: LH
E-approval: Yes

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

170603 Multi Function Lamp — Std pkg 1 — **Servicing:** RVI Renault, Pegaso - Visit our web catalogue for further information

Lens: HC-CARGO 170665. Left: HC-CARGO 170602. Vibration Damper: HC-CARGO 170604.



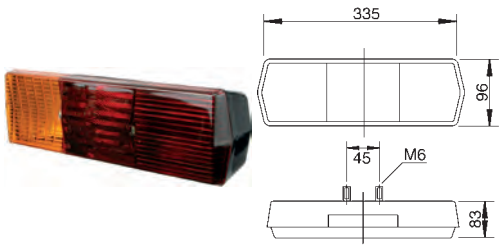
Bulb incl.: No
Watt: 21
Watt 2: 5
Watt 3: 10

Dim.: 406x135x74 mm
Dist. mount. holes: 152 mm

Socket type: BA15S
Socket type 2: BA15S
Socket type 3: BA15S
Material: Shockproof plastic
Shape: Rectangular
Reflector: w/
Flasher light: w/
Numberplate light: w/o
Rear/fog lamp: w/
Reverse light: w/
Position light: w/o
Sidemarker lamp: w/o
Tail light: w/
Stop light: w/
RH/LH: RH
E-approval: Yes

170893 Multi Function Lamp — Std pkg 1

Lens: HC-CARGO 171062. Left: HC-CARGO 170895. 2 bulb holders for tail light.



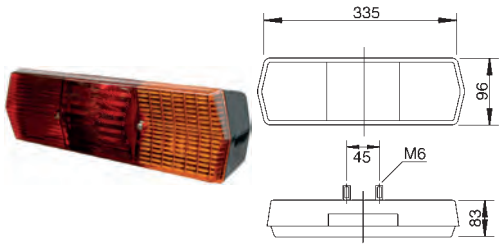
Bulb incl.: No
Watt: 21

Dim.: 335x96x83 mm
Dist. mount. holes: 45 mm

Socket type: BA15S
Material: Shockproof plastic
Shape: Rectangular
Flasher light: w/
Numberplate light: w/o
Rear/fog lamp: w/o
Reverse light: w/o
Position light: w/o
Sidemarker lamp: w/o
Tail light: w/
Stop light: w/
RH/LH: RH

170895 Multi Function Lamp — Std pkg 1

Lens: HC-CARGO 171062. Right: HC-CARGO 170893. 2 bulb holders for tail light.



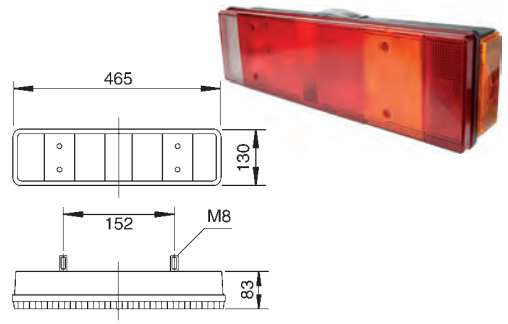
Bulb incl.: No
Watt: 21

Dim.: 335x96x83 mm
Dist. mount. holes: 45 mm

Socket type: BA15S
Material: Shockproof plastic
Shape: Rectangular
Flasher light: w/
Numberplate light: w/o
Rear/fog lamp: w/o
Reverse light: w/o
Position light: w/o
Sidemarker lamp: w/o
Tail light: w/
Stop light: w/
RH/LH: LH

170916 Multi Function Lamp — Std pkg 1 — **Servicing:** Scania, Universal - Visit our web catalogue for further information

Lens: HC-CARGO 170968. Right: HC-CARGO 170917. 2 bulb holders for tail light.



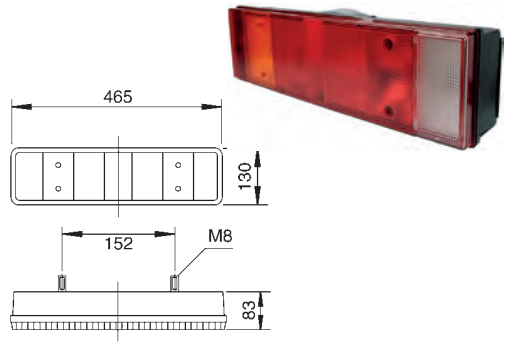
Bulb incl.: No
Watt: 21
Watt 2: 5
Watt 3: 10

Dim.: 465x130x83 mm
Dist. mount. holes: 152 mm

Socket type: BA15S
Socket type 2: BA15S
Socket type 3: BA15S
Material: Shockproof plastic
Shape: Rectangular
Reflector: w/
Flasher light: w/
Numberplate light: w/
Rear/fog lamp: w/
Reverse light: w/
Position light: w/o
Sidemarker lamp: w/
Tail light: w/
Stop light: w/
RH/LH: LH

170917 Multi Function Lamp — Std pkg 1 — **Servicing:** Scania, Universal - Visit our web catalogue for further information

Lens: HC-CARGO 170968. Left: HC-CARGO 170916. 2 bulb holders for tail light.



Bulb incl.: No
Watt: 21
Watt 2: 5
Watt 3: 10

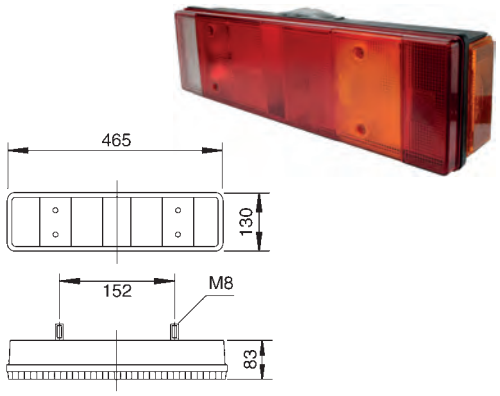
Dim.: 465x130x83 mm
Dist. mount. holes: 152 mm

Socket type: BA15S
Socket type 2: BA15S
Socket type 3: BA15S
Material: Shockproof plastic
Shape: Rectangular
Reflector: w/
Flasher light: w/
Numberplate light: w/
Rear/fog lamp: w/
Reverse light: w/
Position light: w/o
Sidemarker lamp: w/
Tail light: w/
Stop light: w/
RH/LH: RH
E-approval: Yes

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

170922 Multi Function Lamp — Std pkg 1 — **Servicing:** MAN, Universal - Visit our web catalogue for further information

Lens: HC-CARGO 170968. Right: HC-CARGO 170923.



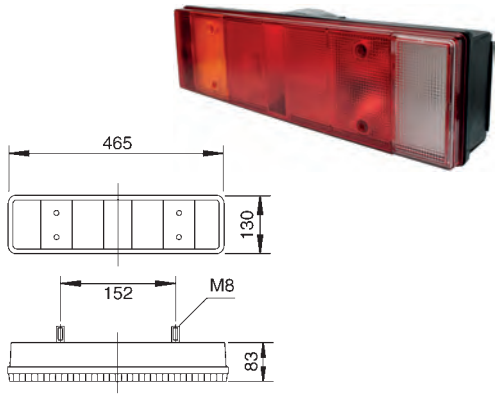
Bulb incl.: No
Watt: 21
Watt 2: 5
Watt 3: 10

Dim.: 465x130x83 mm
Dist. mount. holes: 152 mm

Socket type: BA15S
Socket type 2: BA15S
Socket type 3: BA15S
Material: Shockproof plastic
Shape: Rectangular
Reflector: w/
Flasher light: w/
Numberplate light: w/
Rear/fog lamp: w/
Reverse light: w/o
Position light: w/o
Sidemarker lamp: w/
Tail light: w/
Stop light: w/
RH/LH: LH
E-approval: Yes

170923 Multi Function Lamp — Std pkg 1 — **Servicing:** MAN, Universal - Visit our web catalogue for further information

Lens: HC-CARGO 170968. Left: HC-CARGO 170922. 2 bulb holders for tail light.



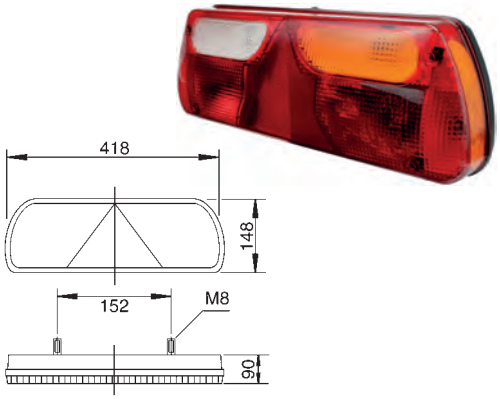
Bulb incl.: No
Watt: 21
Watt 2: 5
Watt 3: 10

Dim.: 465x130x83 mm
Dist. mount. holes: 152 mm

Socket type: BA15S
Socket type 2: BA15S
Socket type 3: BA15S
Material: Shockproof plastic
Shape: Rectangular
Reflector: w/
Flasher light: w/
Numberplate light: w/
Rear/fog lamp: w/
Reverse light: w/
Position light: w/o
Sidemarker lamp: w/
Tail light: w/
Stop light: w/
RH/LH: RH
E-approval: Yes

170990 Multi Function Lamp — Std pkg 1 — **Servicing:** Commercial trailers - Visit our web catalogue for further information

Left: HC-CARGO 170991.



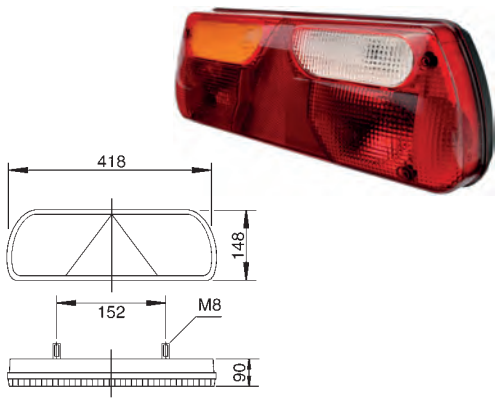
Bulb incl.: No
Watt: 21
Watt 2: 20/5
Watt 3: 5
Watt 4: 10

Dim.: 418x148x90 mm
Dist. mount. holes: 152 mm

Socket type: BA15S
Socket type 2: BAY15d
Socket type 3: BA15S
Socket type 4: BA10s
Material: Shockproof plastic
Shape: Rectangular
Reflector: w/
Flasher light: w/
Numberplate light: w/
Rear/fog lamp: w/
Reverse light: w/o
Position light: w/o
Sidemarker lamp: w/
Tail light: w/
Stop light: w/
RH/LH: RH
E-approval: Yes

170991 Multi Function Lamp — Std pkg 1 — **Servicing:** Commercial trailers - Visit our web catalogue for further information

Right: HC-CARGO 170990.



Bulb incl.: No
Watt: 21
Watt 2: 21/5
Watt 3: 5
Watt 4: 10

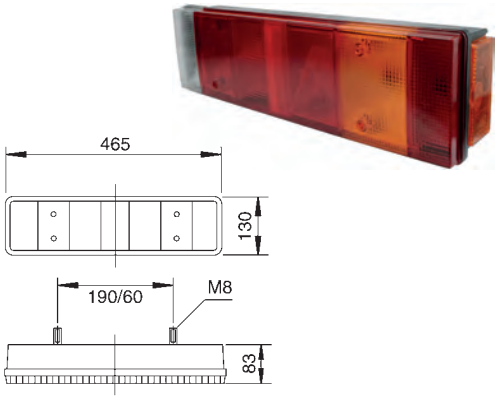
Dim.: 418x148x90 mm
Dist. mount. holes: 152 mm

Socket type: BA15S
Socket type 2: BAY15d
Socket type 3: BA15S
Socket type 4: BA10s
Material: Shockproof plastic
Shape: Rectangular
Reflector: w/
Flasher light: w/
Numberplate light: w/
Rear/fog lamp: w/
Reverse light: w/o
Position light: w/o
Sidemarker lamp: w/
Tail light: w/
Stop light: w/
RH/LH: LH
E-approval: Yes

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

170998 Multi Function Lamp — Std pkg 1 — **Servicing:** Iveco - Visit our web catalogue for further information

Multi function lamp: HC-CARGO 170999. Lens: HC-CARGO 171000. 2 bulb holders for tail light.



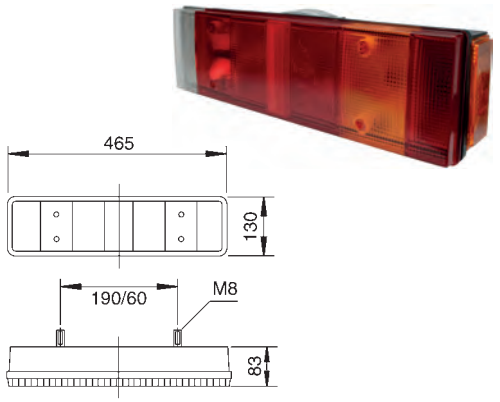
Bulb incl.: No
Watt: 21
Watt 2: 5

Dim.: 465x130x83 mm
Dist. mount. holes: 190/60 mm

Socket type: BA15S
Socket type 2: BA15S
Material: Shockproof plastic
Shape: Rectangular
Reflector: w/
Flasher light: w/
Numberplate light: w/o
Rear/fog lamp: w/
Reverse light: w/o
Position light: w/o
Sidemarker lamp: w/
Tail light: w/
Stop light: w/
RH/LH: RH/LH
E-approval: Yes

170999 Multi Function Lamp — Std pkg 1 — **Servicing:** Iveco - Visit our web catalogue for further information

Multi function lamp: HC-CARGO 170998. 2 bulb holders for tail light. Lens: HC-CARGO 171000.



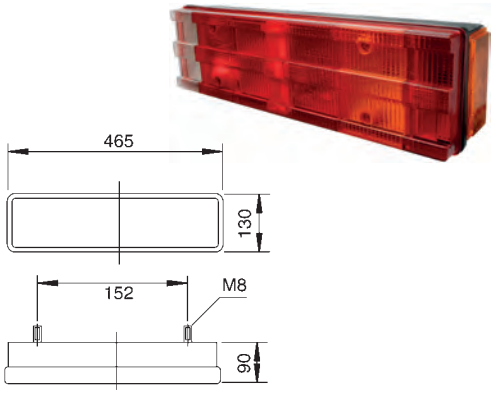
Bulb incl.: No
Watt: 21
Watt 2: 5
Watt 3: 10

Dim.: 465x130x83 mm
Dist. mount. holes: 190/60 mm

Socket type: BA15S
Socket type 2: BA15S
Socket type 3: BA15S
Material: Shockproof plastic
Shape: Rectangular
Reflector: w/
Flasher light: w/
Numberplate light: w/
Rear/fog lamp: w/
Reverse light: w/o
Position light: w/o
Sidemarker lamp: w/
Tail light: w/
Stop light: w/
RH/LH: RH/LH
E-approval: Yes

171299 Multi Function Lamp — Std pkg 1 — **Servicing:** Mercedes Atego - Visit our web catalogue for further information

Lens: HC-CARGO 171307. 2 bulb holders for tail light. Left: HC-CARGO 171302.



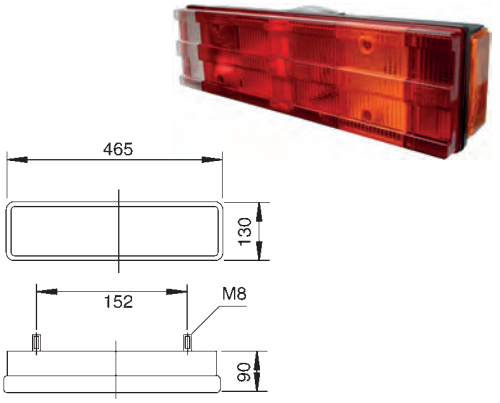
Bulb incl.: No
Watt: 21
Watt 2: 5
Watt 3: 10

Dim.: 465x130x90 mm
Dist. mount. holes: 152 mm

Socket type: BA15S
Socket type 2: BA15S
Socket type 3: BA15S
Material: Shockproof plastic
Shape: Rectangular
Reflector: w/
Flasher light: w/
Numberplate light: w/
Rear/fog lamp: w/
Reverse light: w/o
Position light: w/o
Sidemarker lamp: w/
Tail light: w/
Stop light: w/
RH/LH: RH
E-approval: Yes

171302 Multi Function Lamp — Std pkg 1 — **Servicing:** Mercedes Atego - Visit our web catalogue for further information

Lens: HC-CARGO 171307. Right: HC-CARGO 171299. 2 bulb holders for tail light.



Bulb incl.: No
Watt: 21
Watt 2: 5
Watt 3: 10

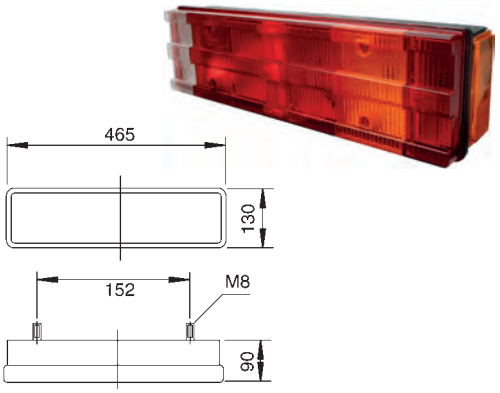
Dim.: 465x130x90 mm
Dist. mount. holes: 152 mm

Socket type: BA15S
Socket type 2: BA15S
Socket type 3: BA15S
Material: Shockproof plastic
Shape: Rectangular
Reflector: w/
Flasher light: w/
Numberplate light: w/
Rear/fog lamp: w/
Reverse light: w/o
Position light: w/o
Sidemarker lamp: w/
Tail light: w/
Stop light: w/
RH/LH: LH
E-approval: Yes

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

171303 Multi Function Lamp Std pkg 1 **Servicing:** Mercedes Sprinter - Visit our web catalogue for further information

Lens: HC-CARGO 171307. Left: HC-CARGO 171306. 2 bulb holders for tail light.



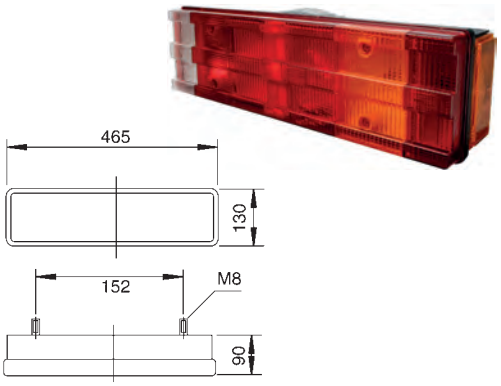
Bulb incl.: No
Watt: 21
Watt 2: 5
Watt 3: 10

Dim.: 465x130x90 mm
Dist. mount. holes: 152 mm

Socket type: BA15S
Socket type 2: BA15S
Socket type 3: BA15S
Material: Shockproof plastic
Shape: Rectangular
Reflector: w/
Flasher light: w/
Numberplate light: w/
Rear/fog lamp: w/
Reverse light: w/o
Position light: w/o
Sidemarker lamp: w/
Tail light: w/
Stop light: w/
RH/LH: RH
E-approval: Yes

171306 Multi Function Lamp Std pkg 1 **Servicing:** Mercedes Sprinter - Visit our web catalogue for further information

Lens: HC-CARGO 171307. Right: HC-CARGO 171303. 2 bulb holders for tail light.



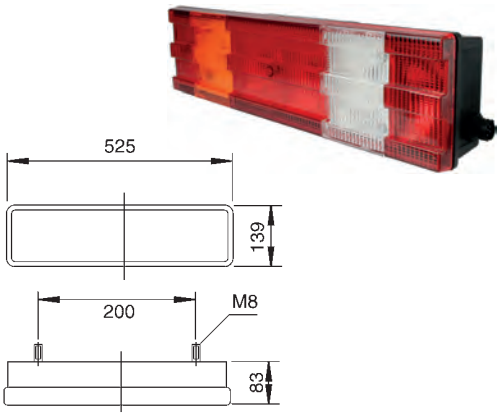
Bulb incl.: No
Watt: 21
Watt 2: 5
Watt 3: 10

Dim.: 465x130x90 mm
Dist. mount. holes: 152 mm

Socket type: BA15S
Socket type 2: BA15S
Socket type 3: BA15S
Material: Shockproof plastic
Shape: Rectangular
Reflector: w/
Flasher light: w/
Numberplate light: w/
Rear/fog lamp: w/
Reverse light: w/o
Position light: w/o
Sidemarker lamp: w/
Tail light: w/
Stop light: w/
RH/LH: LH
E-approval: Yes

171308 Multi Function Lamp Std pkg 1 **Servicing:** Mercedes Actros - Visit our web catalogue for further information

Lens: HC-CARGO 171312. Left: HC-CARGO 171311.



Bulb incl.: No
Watt: 21
Watt 2: 5
Watt 3: 10

Dim.: 525x139x83 mm
Dist. mount. holes: 200 mm

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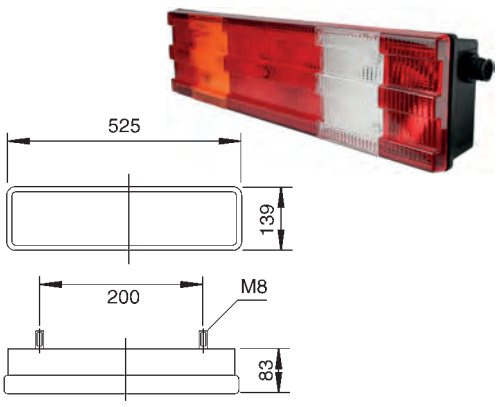
171311 Multi Function Lamp Std pkg 1 **Servicing:** Mercedes Actros - Visit our web catalogue for further information

Lens: HC-CARGO 171521. Right: HC-CARGO 171308.



Bulb incl.: No
Watt: 21
Watt 2: 5
Watt 3: 10

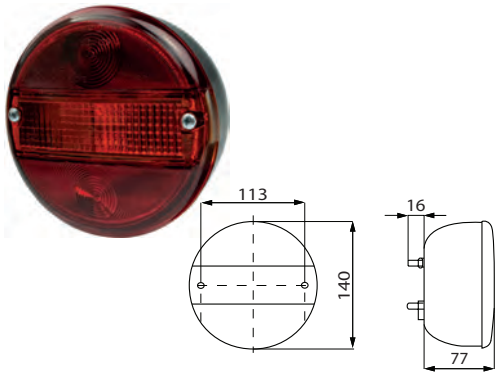
Dim.: 525x139x83 mm
Dist. mount. holes: 200 mm

Socket type: BA15S
Socket type 2: BA15S
Socket type 3: BA15S
Material: Shockproof plastic
Shape: Rectangular
Reflector: w/
Flasher light: w/
Numberplate light: w/
Rear/fog lamp: w/
Reverse light: w/
Position light: w/o
Sidemarker lamp: w/
Tail light: w/
Stop light: w/
RH/LH: LH
E-approval: Yes

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

171328 Multi Function Lamp — Std pkg 1

Lens: HC-CARGO 171330.



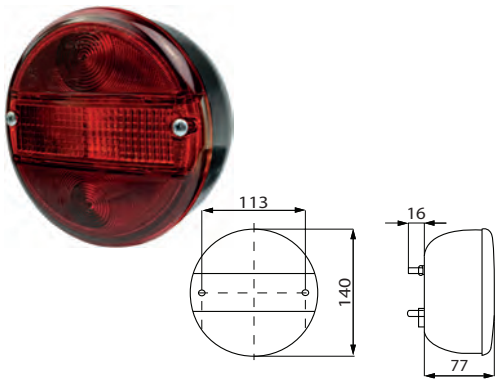
Bulb incl.: No
Watt: 21
Watt 2: 5

Dim.: 140x77 mm
OD: 140 mm
Dist. mount. holes: 45 mm

Socket type: BA15S
Socket type 2: BA15S
Connection: Terminal
Material: Shockproof plastic
Shape: Round
Fixing screw: 2
Flasher light: w/
Numberplate light: w/
Rear/fog lamp: w/o
Reverse light: w/o
Position light: w/o
Sidemarker lamp: w/o
Tail light: w/
Stop light: w/
E-approval: Yes

171329 Multi Function Lamp — Std pkg 1

Mounting kit: HC-CARGO 171266. Lens: HC-CARGO 171330.



Bulb incl.: No
Watt: 21
Watt 2: 5

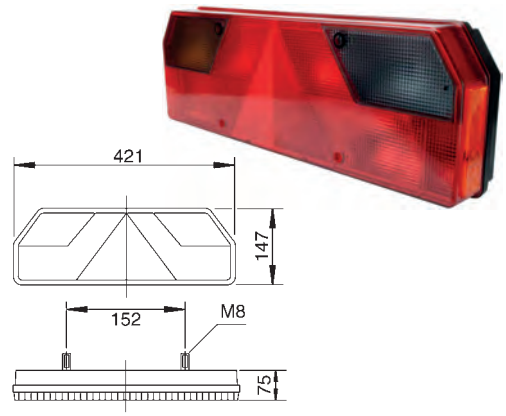
Dim.: 140x77 mm
OD: 140 mm
Dist. mount. holes: 45 mm

Socket type: BA15S
Socket type 2: BA15S
Connection: Terminal
Material: Shockproof plastic
Shape: Round
Fixing screw: 2
Flasher light: w/
Numberplate light: w/o
Rear/fog lamp: w/o
Reverse light: w/o
Position light: w/o
Sidemarker lamp: w/o
Tail light: w/
Stop light: w/
E-approval: Yes

171441 Multi Function Lamp — Std pkg 1

Servicing: Commercial trailers - Visit our web catalogue for further information

Lens: HC-CARGO 171446. Right: HC-CARGO 171442.



Bulb incl.: No
Watt: 21
Watt 2: 20/5
Watt 3: 10

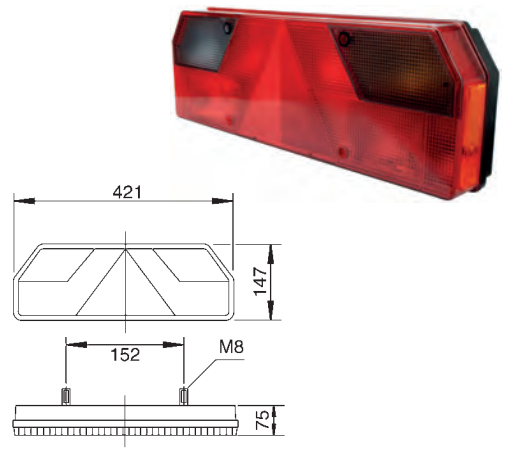
Dim.: 421x147x75 mm
Dist. mount. holes: 152 mm

Socket type: BA15S
Socket type 2: BAY15d
Socket type 3: BA10s
Material: Shockproof plastic
Shape: Rectangular
Reflector: w/
Flasher light: w/
Numberplate light: w/
Rear/fog lamp: w/o
Reverse light: w/
Position light: w/o
Sidemarker lamp: w/o
Tail light: w/
Stop light: w/
RH/LH: LH
E-approval: Yes

171442 Multi Function Lamp — Std pkg 1

Servicing: Commercial trailers - Visit our web catalogue for further information

Lens: HC-CARGO 171446. Left: HC-CARGO 171441.



Bulb incl.: No
Watt: 21
Watt 2: 21/5
Watt 3: 5
Watt 4: 10

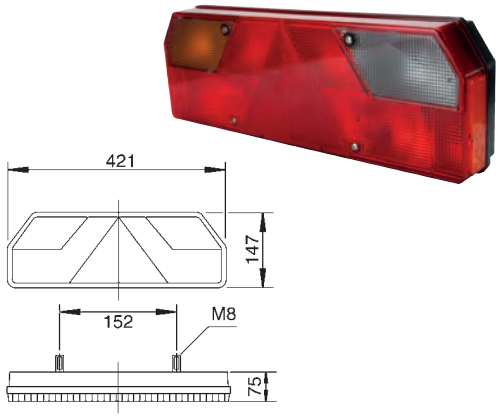
Dim.: 421x147x75 mm
Dist. mount. holes: 152 mm

Socket type: BA15S
Socket type 2: BAY15d
Socket type 3: BA15S
Socket type 4: BA10s
Material: Shockproof plastic
Shape: Rectangular
Reflector: w/
Flasher light: w/
Numberplate light: w/
Rear/fog lamp: w/
Reverse light: w/
Position light: w/o
Sidemarker lamp: w/
Tail light: w/
Stop light: w/
RH/LH: RH
E-approval: Yes

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

171443 Multi Function Lamp — Std pkg 1 — **Servicing:** Schwarzmüller - Visit our web catalogue for further information

Lens: HC-CARGO 171446. Right: HC-CARGO 171444.



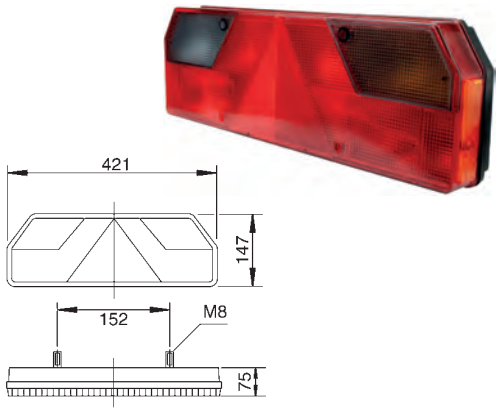
Bulb incl.: No
Watt: 21
Watt 2: 21/5
Watt 3: 5
Watt 4: 10

Dim.: 421x147x75 mm
Dist. mount. holes: 152 mm

Socket type: BA15S
Socket type 2: BAY15d
Socket type 3: BA15S
Socket type 4: BA10s
Material: Shockproof plastic
Shape: Rectangular
Reflector: w/
Flasher light: w/
Numberplate light: w/
Rear/fog lamp: w/
Reverse light: w/o
Position light: w/o
Sidemarker lamp: w/
Tail light: w/
Stop light: w/
RH/LH: LH
E-approval: Yes

171444 Multi Function Lamp — Std pkg 1 — **Servicing:** Schwarzmüller - Visit our web catalogue for further information

Lens: HC-CARGO 171446. Left: HC-CARGO 171443.



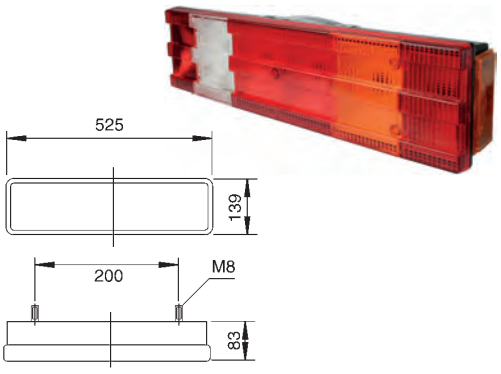
Bulb incl.: No
Watt: 21
Watt 2: 21/5
Watt 3: 5
Watt 4: 10

Dim.: 421x147x75 mm
Dist. mount. holes: 152 mm

Socket type: BA15S
Socket type 2: BAY15d
Socket type 3: BA15S
Socket type 4: BA10s
Material: Shockproof plastic
Shape: Rectangular
Reflector: w/
Flasher light: w/
Numberplate light: w/
Rear/fog lamp: w/
Reverse light: w/o
Position light: w/o
Sidemarker lamp: w/
Tail light: w/
Stop light: w/
RH/LH: RH
E-approval: Yes

171447 Multi Function Lamp — Std pkg 1 — **Servicing:** Mercedes Actros SK - Visit our web catalogue for further information

Lens: HC-CARGO 171521. Right: HC-CARGO 171448.



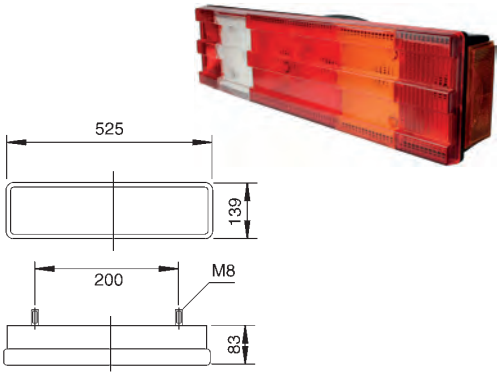
Bulb incl.: No
Watt: 21
Watt 2: 5
Watt 3: 10

Dim.: 525x139x83 mm
Dist. mount. holes: 200 mm

Socket type: BA15S
Socket type 2: BA15S
Socket type 3: BA15S
Material: Shockproof plastic
Shape: Rectangular
Reflector: w/
Flasher light: w/
Numberplate light: w/
Rear/fog lamp: w/
Reverse light: w/
Position light: w/o
Sidemarker lamp: w/
Tail light: w/
Stop light: w/
RH/LH: LH
E-approval: Yes

171448 Multi Function Lamp — Std pkg 1 — **Servicing:** Mercedes Actros SK - Visit our web catalogue for further information

Lens: HC-CARGO 171312. Left: HC-CARGO 171447.



Bulb incl.: No
Watt: 21
Watt 2: 5
Watt 3: 10

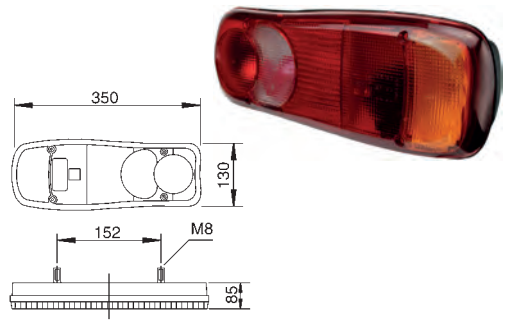
Dim.: 525x139x83 mm
Dist. mount. holes: 200 mm

Socket type: BA15S
Socket type 2: BA15S
Socket type 3: BA15S
Material: Shockproof plastic
Shape: Rectangular
Reflector: w/
Flasher light: w/
Numberplate light: w/o
Rear/fog lamp: w/
Reverse light: w/
Position light: w/o
Sidemarker lamp: w/
Tail light: w/
Stop light: w/
RH/LH: RH
E-approval: Yes

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

171506 Multi Function Lamp — Std pkg 1 — **Servicing:** DAF, Nissan, Renault - Visit our web catalogue for further information

Lens: HC-CARGO 171507. Multi Connector: HC-CARGO 171788, 172066. 2 bulb holders for tail light.



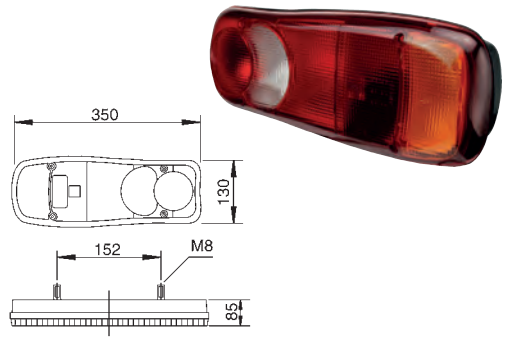
Bulb incl.: No
Watt: 21
Watt 2: 5
Watt 3: 10

Dim.: 350x130x85 mm
Dist. mount. holes: 152 mm

Socket type: BA15S
Socket type 2: BA15S
Socket type 3: BA15S
Material: Shockproof plastic
Shape: Rectangular
Reflector: w/
Flasher light: w/
Numberplate light: w/
Rear/fog lamp: w/
Reverse light: w/
Position light: w/o
Sidemarker lamp: w/o
Tail light: w/
Stop light: w/
RH/LH: RH/LH
E-approval: Yes

171508 Multi Function Lamp — Std pkg 1 — **Servicing:** Commercial trailers - Visit our web catalogue for further information

Lens: HC-CARGO 171507. Optional use. 2 bulb holders for tail light.



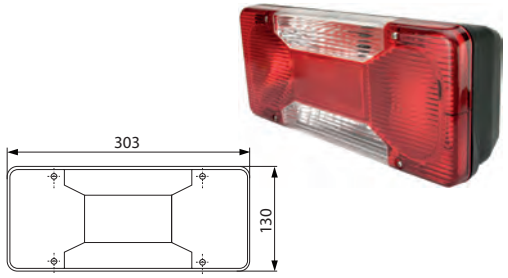
Bulb incl.: No
Watt: 21
Watt 2: 5
Watt 3: 10

Dim.: 350x130x85 mm
Dist. mount. holes: 152 mm

Socket type: BA15S
Socket type 2: BA15S
Socket type 3: BA15S
Material: Shockproof plastic
Shape: Rectangular
Flasher light: w/
Numberplate light: w/
Rear/fog lamp: w/
Reverse light: w/
Position light: w/o
Sidemarker lamp: w/o
Tail light: w/
Stop light: w/
RH/LH: RH/LH
Approval: CE
E-approval: Yes

171700 Multi Function Lamp — Std pkg 1

Lens: HC-CARGO 171702. Left: HC-CARGO 171701. Multiconnector: HC-CARGO 171788, 172066.



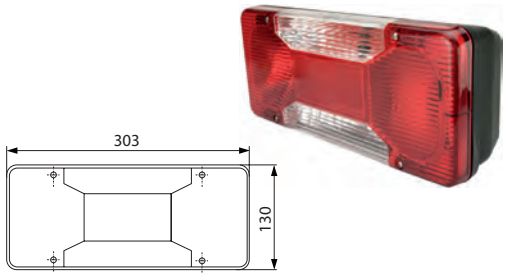
Bulb incl.: No
Voltage: 12/24

Dim.: 303x130x81 mm
Dist. mount. holes: 190 mm

Material: Shockproof plastic
Shape: Rectangular
Reflector: w/
Flasher light: w/
Numberplate light: w/o
Rear/fog lamp: w/
Reverse light: w/
Position light: w/o
Sidemarker lamp: w/o
Tail light: w/
Stop light: w/
RH/LH: RH
E-approval: Yes

171701 Multi Function Lamp — Std pkg 1

Lens: HC-CARGO 171702. Lens, Rear Lamp: HC-CARGO 171703. Right: HC-CARGO 171700. Multiconnector: HC-CARGO 171788, 172066.



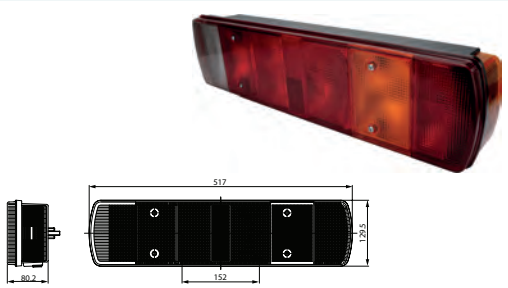
Bulb incl.: No
Voltage: 12/24

Dim.: 303x130x81 mm
Dist. mount. holes: 190 mm

Material: Shockproof plastic
Shape: Rectangular
Reflector: w/
Flasher light: w/
Numberplate light: w/o
Rear/fog lamp: w/
Reverse light: w/
Position light: w/o
Sidemarker lamp: w/o
Tail light: w/
Stop light: w/
RH/LH: LH
E-approval: Yes

171802 Multi Function Lamp — Std pkg 1 — **Servicing:** Scania - Visit our web catalogue for further information

Lens: HC-CARGO 171322. Multi plug: HC-CARGO 171788, 172066. Left: HC-CARGO 171803.



Bulb incl.: No
Watt: 21
Watt 2: 5

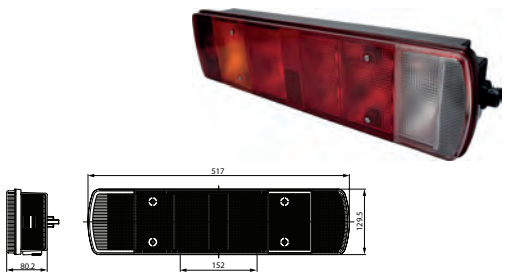
Dim.: 517x129.5x80.2 mm
Dist. mount. holes: 152 mm

Socket type: BA15S
Socket type 2: BA15S
Material: Shockproof plastic
Shape: Rectangular
Reflector: w/
Flasher light: w/
Numberplate light: w/
Rear/fog lamp: w/
Reverse light: w/
Position light: w/o
Sidemarker lamp: w/
Tail light: w/
Stop light: w/
RH/LH: RH
E-approval: Yes

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

171803 Multi Function Lamp Std pkg 1 **Servicing:** Scania, Opel - Visit our web catalogue for further information

Lens: HC-CARGO 171322. Multi plug: HC-CARGO 171788, 172066. Right: HC-CARGO 171802.



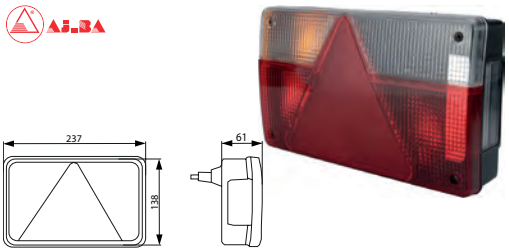
Bulb incl.: No
Watt: 21
Watt 2: 5

Dim.: 517x129.5x80.2 mm
Dist. mount. holes: 152 mm

Socket type: BA15S
Socket type 2: BA15S
Material: Shockproof plastic
Shape: Rectangular
Reflector: w/
Flasher light: w/
Numberplate light: w/
Rear/fog lamp: w/
Reverse light: w/
Position light: w/o
Sidemarker lamp: w/
Tail light: w/
Stop light: w/
RH/LH: LH
E-approval: Yes

171870 Multi Function Lamp Std pkg 1 **Servicing:** HC-CARGO 171818, 171872

Lens: HC-CARGO 171834. Multi connector: HC-CARGO 171537, 171538. Right: HC-CARGO 171871.



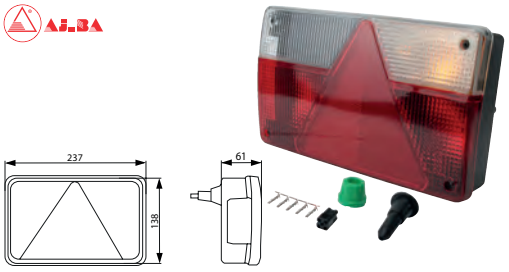
Bulb incl.: Yes
Voltage: 12

Dim.: 237x138x61 mm

Shape: Rectangular
Flasher light: w/
Numberplate light: w/
Rear/fog lamp: w/
Reverse light: w/
Position light: w/
Sidemarker lamp: w/o
Tail light: w/o
Stop light: w/
RH/LH: LH
E-approval: Yes

171871 Multi Function Lamp Std pkg 1 **Servicing:** HC-CARGO 171818, 171872

Lens: HC-CARGO 171833. Multi connector: HC-CARGO 171537, 171538. Left: HC-CARGO 171870.

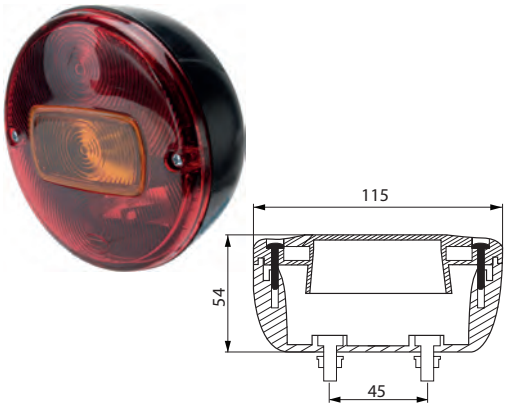


Bulb incl.: Yes
Voltage: 12

Dim.: 237x138x61 mm

Shape: Rectangular
Flasher light: w/
Numberplate light: w/
Rear/fog lamp: w/
Reverse light: w/
Position light: w/
Sidemarker lamp: w/o
Tail light: w/o
Stop light: w/
RH/LH: RH
E-approval: Yes

171917 Multi Function Lamp Std pkg 1



Bulb incl.: No
Watt: 5
Watt 2: 18
Watt 3: 18

Dim.: 115x54 mm
OD: 115 mm
Dist. mount. holes: 45 mm

Bulb type: 10.5x36 mm
Bulb type 2: 15x41 mm
Bulb type 3: 15x41 mm
Socket type: S8.5
Socket type 2: S8.5
Socket type 3: S8.5
Connection: Terminal
Colour/glass: Red/yellow
Material/lens: PMMA
Shape: Round
Fixing screw: 2
Flasher light: w/
Numberplate light: w/o
Rear/fog lamp: w/o
Reverse light: w/o
Position light: w/o
Sidemarker lamp: w/o
Tail light: w/
Stop light: w/
RH/LH: RH/LH

SPARE PARTS

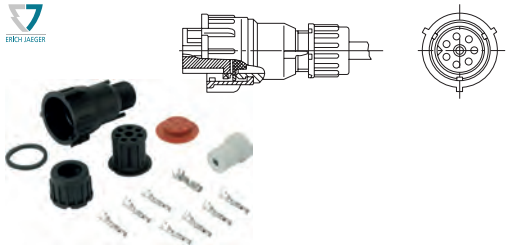
170665 Lens, Rear Lamp Std pkg 1 **Servicing:** HC-CARGO 170602, 170603

Shape: Rectangular

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
170968 Lens, Rear Lamp Std pkg 1	**Servicing:** HC-CARGO 170916, 170917, 170922, 170923		
		Dim.: 465x130 mm	**Shape:** Rectangular
171000 Lens, Rear Lamp Std pkg 1	**Servicing:** HC-CARGO 170998, 170999		
		Dim.: 465x130x83 mm	**Shape:** Rectangular
171062 Lens, Rear Lamp Std pkg 1	**Servicing:** HC-CARGO 170895, 170893		
		Dim.: 335x96 mm	**Material:** Shockproof plastic **Shape:** Rectangular **Numberplate light:** w/
171307 Lens, Rear Lamp Std pkg 1	**Servicing:** HC-CARGO 171299, 171302, 171303, 171306		
		Dim.: 465x130 mm	**Shape:** Rectangular
171312 Lens, Rear Lamp Std pkg 1	**Servicing:** HC-CARGO 171308, 171448		
		Dim.: 525x139 mm	**Shape:** Rectangular **Reflector:** w/
171322 Lens, Rear Lamp Std pkg 1	**Servicing:** HC-CARGO 171802, 171803		
		Dim.: 516x130 mm **Dist. mount. holes:** 152 mm	**Shape:** Rectangular
171330 Lens, Rear Lamp Std pkg 1	**Servicing:** HC-CARGO 171328, 171329		
		OD: 140 mm	**Shape:** Round **RH/LH:** RH/LH

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
171446 Lens, Rear Lamp Std pkg 1	**Servicing:** HC-CARGO 171441, 171442, 171443, 171444		
		Dim.: 421x147 mm	**Shape:** Rectangular **Reflector:** w/ **Numberplate light:** w/
171507 Lens, Rear Lamp Std pkg 1	**Servicing:** HC-CARGO 171506, 171508		
		Dim.: 350x130 mm	**Material:** Shockproof plastic **Shape:** Rectangular **Reflector:** w/o **Numberplate light:** w/ **RH/LH:** RH/LH
171521 Lens, Rear Lamp Std pkg 1	**Servicing:** HC-CARGO 171311, 171447		
		Dim.: 525x139 mm	**Shape:** Rectangular **Reflector:** w/
171702 Lens, Rear Lamp Std pkg 1	**Servicing:** HC-CARGO 171700, 171701		
		Dim.: 303x130 mm	**Material:** Shockproof plastic **Shape:** Rectangular **Reflector:** w/ **RH/LH:** RH
171703 Lens, Rear Lamp Std pkg 1	**Servicing:** HC-CARGO 171701		
		Dim.: 303x130 mm	**Material:** Shockproof plastic **Shape:** Rectangular **Reflector:** w/ **RH/LH:** LH

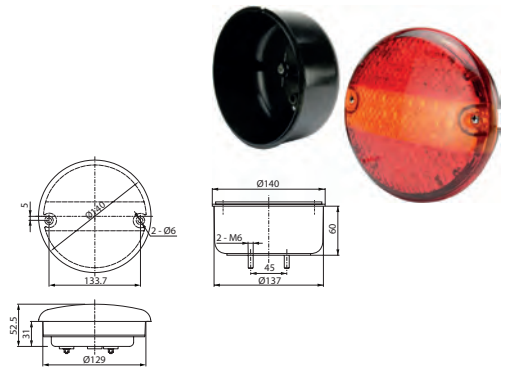
ACCESSORIES

172066 Multiconnector 6 pin Std pkg 1	**Servicing:** HC-CARGO 171506, 171756, 171757, 171802, 171803, 171927, 171928, 171929, 171930, 172061, 172062, 172063, 172064	
		Type/terminal: Round **Colour:** Black **No./poles:** 6 **Plug:** Female
181627 Bayonet connector Std pkg 1	**Servicing:** HC-CARGO 181617	
	**Voltage:** 12	**Mount.:** Terminal **No./poles:** 8 **DIN norm:** 72580

TRAILER LAMPS LED (TRUCKS)

171549 LED Multifunction Lamp — Std pkg 1

Mounting kit: HC-CARGO 171266.



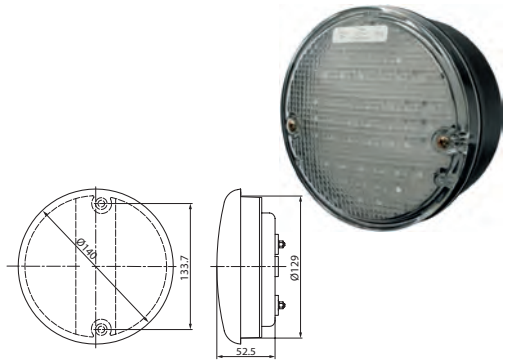
Voltage: 9-33

Dim.: 140x60 mm
Dist. mount. holes: 45 mm

Type: LED Multifunction Lamp
Connection: Terminal
Colour: Black
Material: Shockproof plastic
Shape: Round
Fixing screw: 2
Flasher light: w/
Numberplate light: w/o
Rear/fog lamp: w/o
Reverse light: w/o
Position light: w/o
Sidemarker lamp: w/o
Tail light: w/
Stop light: w/
No./LEDs: 63
E-approval: Yes

171550 LED Multifunction Lamp — Std pkg 1

w/ transpararent lens when light is off. Mounting kit: HC-CARGO 171266.



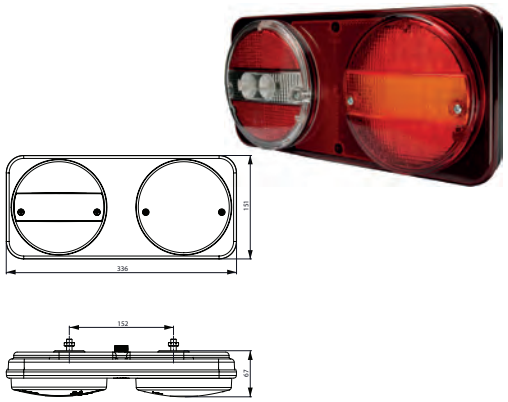
Voltage: 9-33

Dim.: 140x52.5 mm
Dist. mount. holes: 45 mm

Type: LED Multifunction Lamp
Connection: Terminal
Material: Shockproof plastic
Shape: Round
Fixing screw: 2
Flasher light: w/
Numberplate light: w/o
Rear/fog lamp: w/o
Reverse light: w/o
Position light: w/o
Sidemarker lamp: w/o
Tail light: w/
Stop light: w/
No./LEDs: 63
E-approval: Yes

171665 LED Multifunction Lamp — Std pkg 1

Right: HC-CARGO 171666.



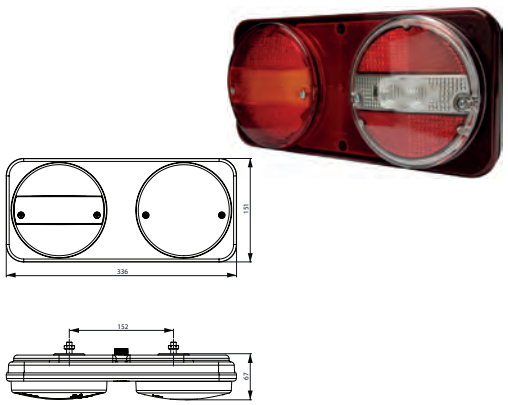
Voltage: 12/24

Dim.: 336x151x67 mm
Dist. mount. holes: 152 mm

Type: LED Multifunction Lamp
Connection: Terminal
Material: Shockproof plastic
Shape: Rectangular
Reflector: w/
Flasher light: w/
Numberplate light: w/o
Rear/fog lamp: w/o
Reverse light: w/
Position light: w/o
Sidemarker lamp: w/o
Tail light: w/
Stop light: w/
RH/LH: LH
Tightness norm: IP 54
E-approval: Yes

171666 LED Multifunction Lamp — Std pkg 1

Left: HC-CARGO 171665.



Voltage: 12/24

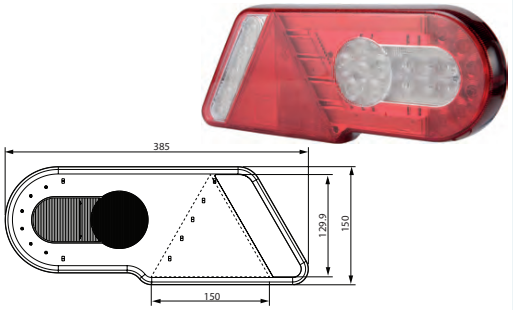
Dim.: 336x151x67 mm
Dist. mount. holes: 152 mm

Type: LED Multifunction Lamp
Connection: Terminal
Material: Shockproof plastic
Shape: Rectangular
Reflector: w/
Flasher light: w/
Numberplate light: w/o
Rear/fog lamp: w/o
Reverse light: w/
Position light: w/o
Sidemarker lamp: w/o
Tail light: w/
Stop light: w/
RH/LH: RH
Tightness norm: IP 54
E-approval: Yes

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

171927 LED Multifunction Lamp Std pkg 1

Multi-plug: HC-CARGO 171788, 172066. Left: HC-CARGO 171928.



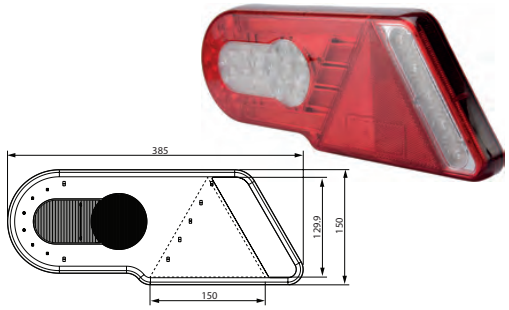
Voltage: 12-24

Dim.: 385x150x34.1 mm
Dist. mount. holes: 152.3 mm

Type: LED Multifunction Lamp
Connection: Multiplug
Shape: Rectangular
Reflector: w/
Flasher light: w/
Numberplate light: w/o
Rear/fog lamp: w/
Reverse light: w/
Position light: w/o
Sidemarker lamp: w/o
Tail light: w/
Stop light: w/
RH/LH: RH
Tightness norm: IP 67
E-approval: Yes

171928 LED Multifunction Lamp Std pkg 1

Multi-plug: HC-CARGO 171788, 172066. Right: HC-CARGO 171927.



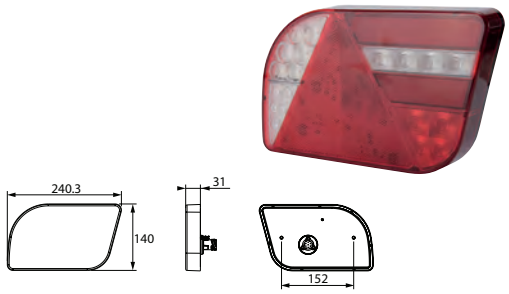
Voltage: 12-24

Dim.: 385x150x34.1 mm
Dist. mount. holes: 152 mm

Type: LED Multifunction Lamp
Connection: Multiplug
Shape: Rectangular
Reflector: w/
Flasher light: w/
Numberplate light: w/o
Rear/fog lamp: w/
Reverse light: w/
Position light: w/o
Sidemarker lamp: w/o
Tail light: w/
Stop light: w/
RH/LH: LH
Tightness norm: IP 67
E-approval: Yes

171929 LED Multifunction Lamp Std pkg 1

Multi-plug: HC-CARGO 171788, 172066. Left: HC-CARGO 171930.



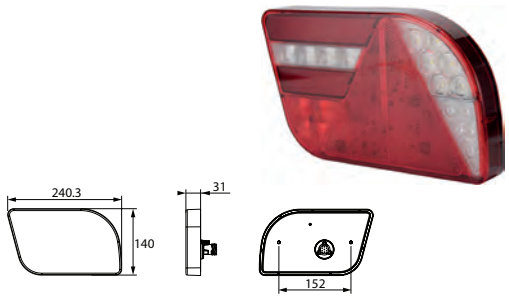
Voltage: 12-24

Dim.: 240.3x140x31 mm
Dist. mount. holes: 152 mm

Type: LED Multifunction Lamp
Connection: Multiplug
Shape: Rectangular
Reflector: w/
Flasher light: w/
Numberplate light: w/o
Rear/fog lamp: w/
Reverse light: w/
Position light: w/o
Sidemarker lamp: w/o
Tail light: w/
Stop light: w/
RH/LH: RH
Tightness norm: IP 67
E-approval: Yes

171930 LED Multifunction Lamp Std pkg 1

Multi-plug: HC-CARGO 171788, 172066. Right: HC-CARGO 171929.

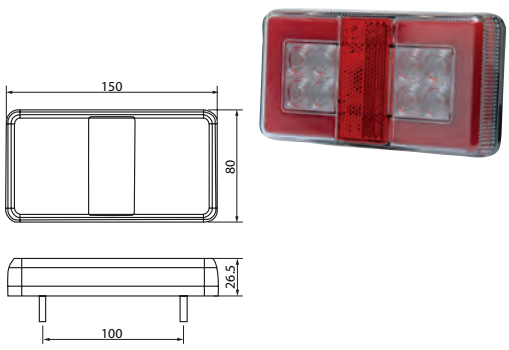


Voltage: 12-24

Dim.: 240.3x140x31 mm
Dist. mount. holes: 152 mm

Type: LED Multifunction Lamp
Connection: Multiplug
Shape: Rectangular
Reflector: w/
Flasher light: w/
Numberplate light: w/o
Rear/fog lamp: w/
Reverse light: w/
Position light: w/o
Sidemarker lamp: w/o
Tail light: w/
Stop light: w/
RH/LH: LH
Tightness norm: IP 67
E-approval: Yes

171952 LED Multifunction Lamp Std pkg 1



Voltage: 12-24

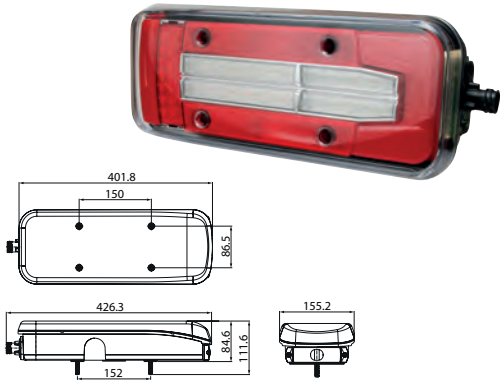
Dim.: 150x80x26.5 mm
Cable length: 300 mm
Dist. mount. holes: 100 mm

Type: LED Multifunction Lamp
Connection: Cable
Shape: Rectangular
Mount.: 2 screws
Reflector: w/
No./reflectors: 1
Flasher light: w/
Numberplate light: w/o
Rear/fog lamp: w/o
Reverse light: w/o
Position light: w/o
Sidemarker lamp: w/o
Tail light: w/
Stop light: w/
Tightness norm: IP 67
Approval: CE
E-approval: Yes

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

172061 LED Multifunction Lamp Std pkg 1

Lens: HC-CARGO 172065. Plug: HC-CARGO 171788, 172066. Left: HC-CARGO 172062.



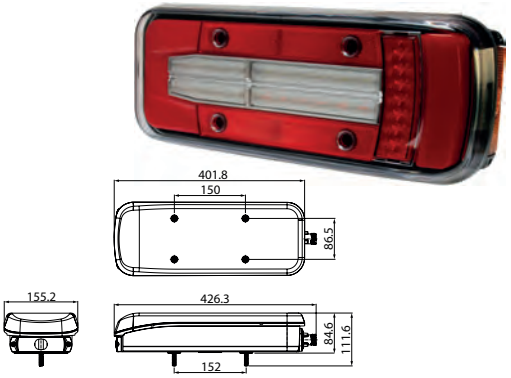
Voltage: 12-24

Dim.:
426.3x155.2x111.6 mm
Dist. mount. holes:
152 mm

Type: LED
Material: PP
Material/lens: Polycarbonate
Shape: Rectangular
Reflector: w/
Flasher light: w/
Numberplate light: w/o
Rear/fog lamp: w/
Reverse light: w/
Position light: w/o
Sidemarker lamp: w/
Tail light: w/
Stop light: w/
RH/LH: RH
Tightness norm: IP 67
E-approval: Yes

172062 LED Multifunction Lamp Std pkg 1

Lens: HC-CARGO 172065. Plug: HC-CARGO 171788, 172066. Right: HC-CARGO 172061.



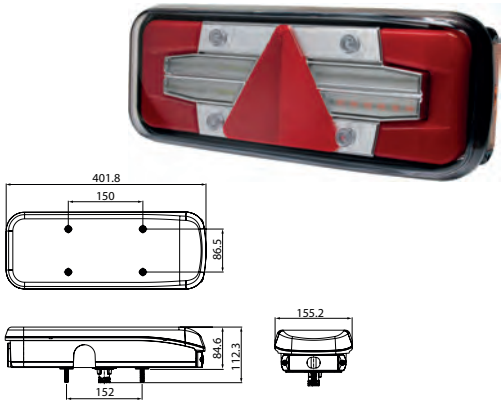
Voltage: 12-24

Dim.:
426.3x155.2x111.6 mm
Dist. mount. holes:
152 mm

Type: LED
Material: PP
Material/lens: Polycarbonate
Shape: Rectangular
Reflector: w/
Flasher light: w/
Numberplate light: w/o
Rear/fog lamp: w/
Reverse light: w/
Position light: w/o
Sidemarker lamp: w/
Tail light: w/
Stop light: w/
RH/LH: LH
Tightness norm: IP 67
E-approval: Yes

172063 LED Multifunction Lamp Std pkg 1

Lens: HC-CARGO 172067. Plug: HC-CARGO 171788, 172066. Left: HC-CARGO 172064.



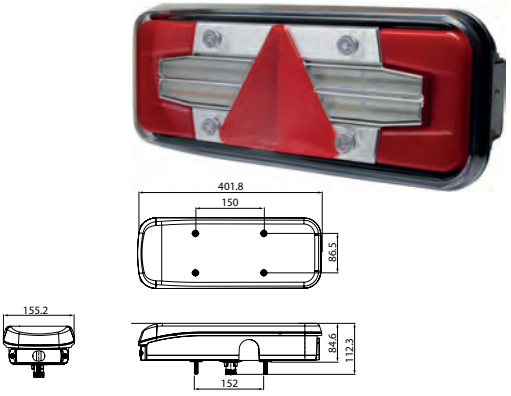
Voltage: 12-24

Dim.:
401.8x155.2x112.3 mm
Dist. mount. holes:
152 mm

Type: LED
Material: PP
Material/lens: Polycarbonate
Shape: Rectangular
Reflector: w/
Flasher light: w/
Numberplate light: w/o
Rear/fog lamp: w/
Reverse light: w/
Position light: w/o
Sidemarker lamp: w/
Tail light: w/
Stop light: w/
RH/LH: RH
Tightness norm: IP 67
E-approval: Yes

172064 LED Multifunction Lamp Std pkg 1

Lens: HC-CARGO 172067. Plug: HC-CARGO 171788, 172066. Right: HC-CARGO 172063.



Voltage: 12-24

Dim.:
401.8x155.2x112.3 mm
Dist. mount. holes:
152 mm

Type: LED
Material: PP
Material/lens: Polycarbonate
Shape: Rectangular
Reflector: w/
Flasher light: w/
Numberplate light: w/o
Rear/fog lamp: w/
Reverse light: w/
Position light: w/o
Sidemarker lamp: w/
Tail light: w/
Stop light: w/
RH/LH: LH
Tightness norm: IP 67
E-approval: Yes

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

SPARE PARTS

172065 Lens, Rear Lamp — Std pkg 1 — **Servicing:** HC-CARGO 172061, 172062

Dim.: 401.8x155.2 mm

Material/lens: Polycarbonate
RH/LH: RH/LH

172067 Lens, Rear Lamp — Std pkg 1 — **Servicing:** HC-CARGO 172063, 172064

Dim.: 401.8x155.2 mm

Material/lens: Polycarbonate
RH/LH: RH/LH

ACCESSORIES

160970 Load Resistor 12 V — Std pkg 1

Contains: 2 pcs.

Voltage: 12
Amp: 2
Watt: Max. 50

Length: 50 mm
Width: 15 mm

160971 Load Resistor 24 V — Std pkg 1

Contains: 2 pcs.

Voltage: 24
Amp: 1
Watt: Max. 50

Length: 50 mm
Width: 15 mm

161922 Load Resistor — Std pkg 1

Contains: 2 pcs.

OSRAM

Voltage: 12
Watt: 21

161923 Load Resistor — Std pkg 1

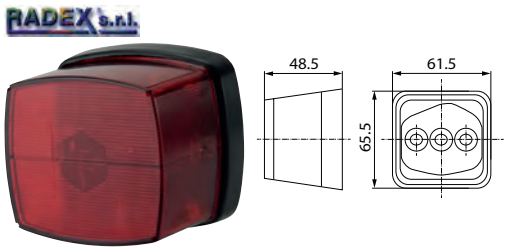
Contains: 2 pcs.

OSRAM

Voltage: 12
Watt: 5

TAIL LAMPS CONVENTIONAL

171173 Tail Lamp — Std pkg 1

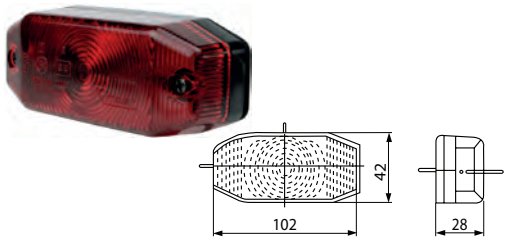


Bulb incl.: No
Watt: 5

Dim.: 62x62x45 mm
Dist. mount. holes: 30 mm

Socket type: S8.5
Connection: Terminal
Colour/glass: Red
Material: Shockproof plastic
Shape: Rectangular
Fixing screw: 2
Position light: w/
E-approval: Yes

171331 Tail Lamp — Std pkg 1



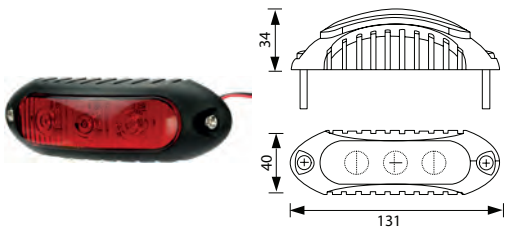
Bulb incl.: No
Watt: 5

Dim.: 102x42x28 mm
Dist. mount. holes: 65 mm

Socket type: S8.5
Connection: Terminal
Colour/glass: Red
Material: Plastic
Shape: Hexagon
Fixing screw: 2
E-approval: Yes

TAIL LAMPS LED

171635 LED Tail Lamp — Std pkg 1



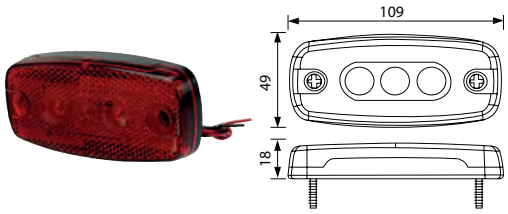
Voltage: 9-36

Dim.: 131x40x34 mm
Dist. mount. holes: 115 mm

Type: LED Tail lamp
Connection: Cable
Colour/glass: Red
Material: PP/PMMA
Shape: Oval
Tail light: w/
No./LEDs: 3
E-approval: Yes

171637 LED Tail Lamp — Std pkg 1

Angle Bracket: HC-CARGO 171639.

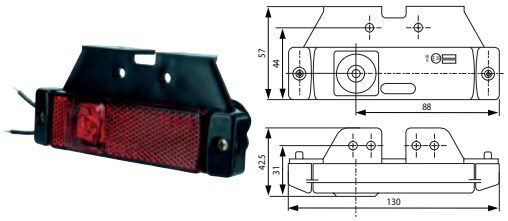


Voltage: 9-36
Watt: 0.9

Dim.: 109x49x18 mm
Dist. mount. holes: 83 mm

Type: LED Tail lamp
Colour/glass: Red
Shape: Rectangular
Reflector: w/
Tail light: w/
No./LEDs: 3
E-approval: Yes

171719 LED Tail Lamp — Std pkg 1

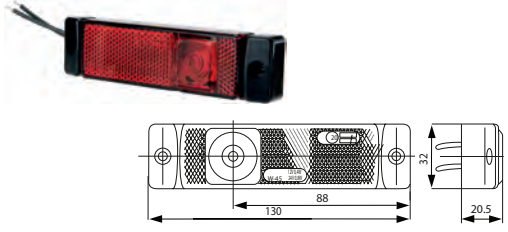


Voltage: 12/24

Dim.: 130x57x42.5 mm
Dist. mount. holes: 50 mm

Type: LED Tail lamp
Connection: Cable
Colour/glass: Red
Material: Shockproof plastic
Shape: Rectangular
Bracket: Angled
Reflector: w/
Fixing screw: 2
Tail light: w/
No./LEDs: 1
E-approval: Yes

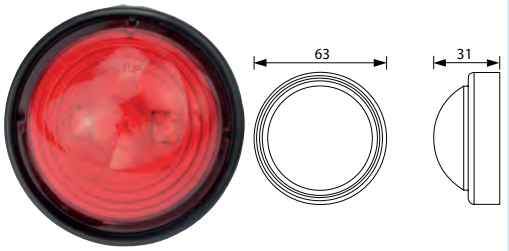
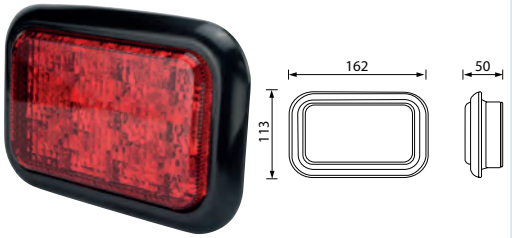
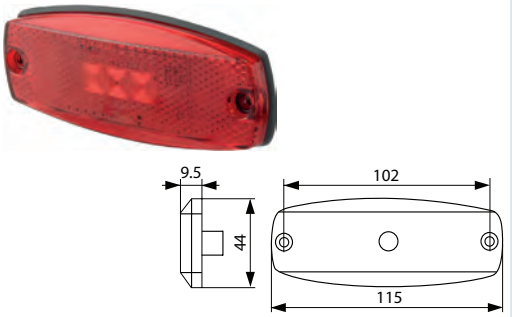
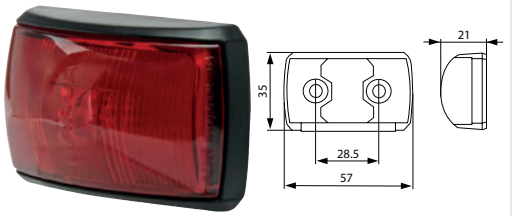
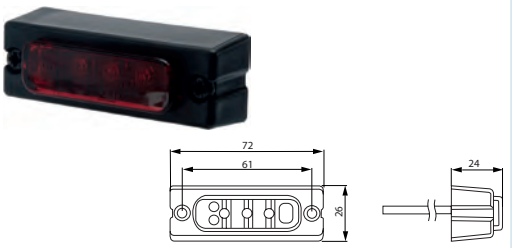
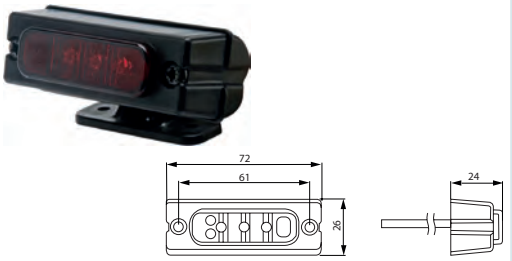
171720 LED Tail Lamp — Std pkg 1



Voltage: 12/24

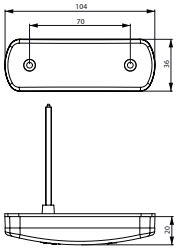
Dim.: 130x32x20.5 mm
Dist. mount. holes: 116 mm

Type: LED Tail lamp
Connection: Cable
Colour/glass: Red
Material: Shockproof plastic
Shape: Rectangular
Reflector: w/
Fixing screw: 2
Tail light: w/
No./LEDs: 1
E-approval: Yes

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
171743 LED Tail Lamp Std pkg 1			
	**Voltage:** 9-36	**Dim.:** 63x31 mm **Cable length:** 300 mm **Dist. mount. holes:** 30 mm	**Type:** LED Tail lamp **Connection:** Cable **Colour:** Black **Colour/glass:** Red **Material:** PVC **Material/lens:** PMMA **Shape:** Round **Mount.:** 2 screws **Tail light:** w/ **No./LEDs:** 3 **Approval:** SAE/ECE **E-approval:** Yes
171771 LED Tail Lamp Std pkg 1			
	**Voltage:** 24 **Watt:** 2.5	**Dim.:** 162x113x50 mm	**Type:** LED Tail lamp **Connection:** Multiplug **Colour/glass:** Red **Material:** ABS plastic **Material/lens:** PMMA **Shape:** Rectangular **Mount.:** Plan installation **Tail light:** w/ **Stop light:** w/ **No./LEDs:** 16 **RH/LH:** RH/LH **E-approval:** Yes
171840 LED Tail Lamp Std pkg 1			
	**Voltage:** 12/24 **Watt:** 0.45-1.6	**Dim.:** 115x44x9.5 mm **Cable length:** 5000 mm **Dist. mount. holes:** 102 mm	**Type:** LED Tail lamp **Connection:** Cable **Colour:** Red **Colour/glass:** Red **Material:** Polycarbonate **Material/lens:** Polycarbonate **Shape:** Rectangular **Mount.:** 2 screws **Reflector:** w/ **Tail light:** w/ **No./LEDs:** 3 **Tightness norm:** IP 67 **Approval:** SAE **E-approval:** Yes
171843 LED Tail Lamp Std pkg 1			
	**Voltage:** 12/24	**Dim.:** 57x35x21 mm **Cable length:** 400 mm **Dist. mount. holes:** 28 mm	**Type:** LED Tail lamp **Connection:** Cable **Colour:** Black **Colour/glass:** Red **Material:** ASA plastic **Material/lens:** PMMA **Shape:** Rectangular **Fixing screw:** 2 **Tail light:** w/ **No./LEDs:** 2 **Tightness norm:** IP 67 **E-approval:** Yes
171861 LED Tail Lamp Std pkg 1			
	**Voltage:** 12/24 **Watt:** 0.3-0.6	**Dim.:** 72x26x24 mm **Cable length:** 5000 mm	**Type:** LED Tail lamp **Colour:** Black **Colour/glass:** Red **Material:** PP **Material/lens:** PMMA **Shape:** Rectangular **Fixing screw:** 2 **Tail light:** w/ **No./LEDs:** 3 **Approval:** CE **E-approval:** Yes
171867 LED Tail Lamp Std pkg 1			
	**Voltage:** 12/24 **Watt:** 0.3-0.6	**Dim.:** 72x26x24 mm **Cable length:** 5000 mm	**Type:** LED Tail lamp **Colour:** Black **Colour/glass:** Red **Material:** PP **Material/lens:** PMMA **Shape:** Rectangular **Bracket:** Adjustable **Fixing screw:** 2 **Tail light:** w/ **No./LEDs:** 3 **Approval:** CE **E-approval:** Yes

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

172034 LED Tail Lamp — Std pkg 1

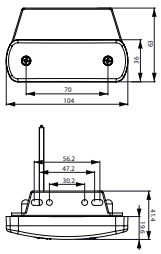


Voltage: 12/24

Dim.: 104x36x20 mm
Cable length: 500 mm
Dist. mount. holes: 70 mm

Type: LED Tail lamp
Colour/glass: Red
Material: Shockproof plastic
Shape: Rectangular
Reflector: w/
Fixing screw: 2
Tail light: w/
No./LEDs: 3
E-approval: Yes

172035 LED Tail Lamp — Std pkg 1

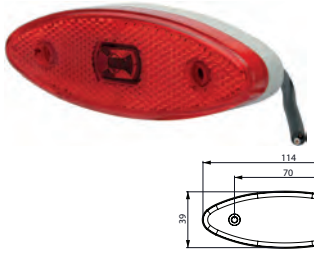


Voltage: 12/24

Dim.: 104x36x20 mm
Cable length: 500 mm
Dist. mount. holes: 70 mm

Type: LED Tail lamp
Colour/glass: Red
Material: Shockproof plastic
Shape: Rectangular
Bracket: Angled
Reflector: w/
Fixing screw: 2
Tail light: w/
No./LEDs: 3
E-approval: Yes

172040 LED Tail Lamp — Std pkg 1



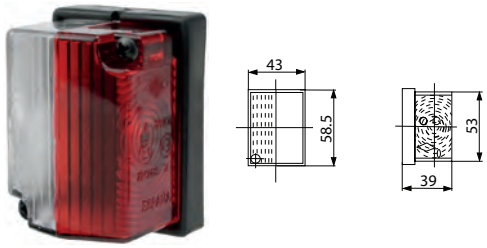
Voltage: 12/24

Dim.: 114x39x20 mm
Cable length: 500 mm
Dist. mount. holes: 70 mm

Type: LED Tail lamp
Colour/glass: Red
Material: Shockproof plastic
Shape: Oval
Reflector: w/
Fixing screw: 2
Tail light: w/
No./LEDs: 3
Approval: ADR
E-approval: Yes

TAIL POSITION LAMPS CONVENTIONAL

170552 Tail/Position Lamp — Std pkg 1



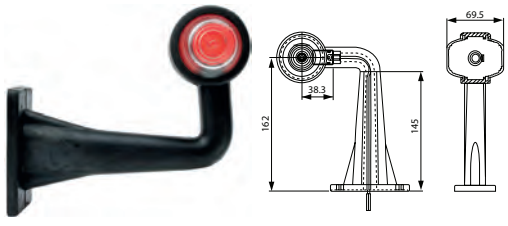
Bulb incl.: No
Watt: 5

Dim.: 58.5x43x39 mm
Dist. mount. holes: 25 mm

Socket type: S8.5
Connection: Terminal
Colour/glass: Red/white
Material: Shockproof plastic
Shape: Rectangular
Fixing screw: 2
Position light: w/
Tail light: w/
RH/LH: RH/LH
E-approval: Yes

170632 Tail/Position Lamp — Std pkg 1

Lens: HC-CARGO 170635, 170636.



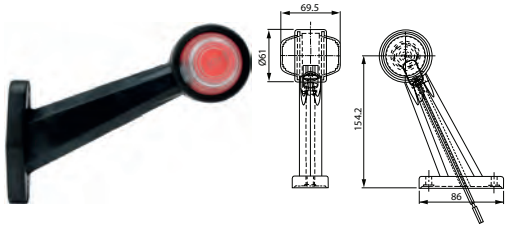
Bulb incl.: No
Watt: 10

Dim.: 162x69.5 mm
Dist. mount. holes: 76 mm

Socket type: BA15S
Colour/glass: Red/white
Shape: Round
Position light: w/
Tail light: w/
E-approval: Yes

170633 Tail/Position Lamp — Std pkg 1

Lens: HC-CARGO 170635, 170636.



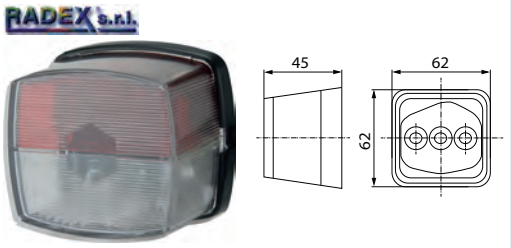
Bulb incl.: No
Watt: 10

Dim.: 154.2x69.5 mm
Dist. mount. holes: 75 mm

Socket type: BA15S
Connection: Cable
Colour/glass: Red/white
Shape: Round
Position light: w/
Tail light: w/
E-approval: Yes

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

171196 Tail/Position Lamp — Std pkg 1



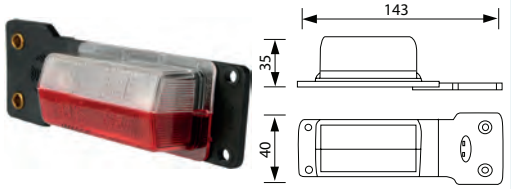
Bulb incl.: No
Watt: 5

Dim.: 62x62x45 mm
Dist. mount. holes: 30 mm

Socket type: S8.5
Connection: Terminal
Colour/glass: Red/white
Material: Shockproof plastic
Shape: Square
Fixing screw: 2
Position light: w/
Tail light: w/
RH/LH: RH/LH
E-approval: Yes

171627 Tail/Position Lamp — Std pkg 1

Tail/Position Lamp: HC-CARGO 171706.

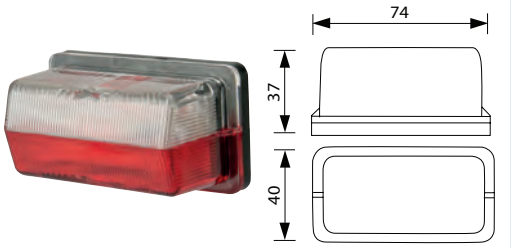


Bulb incl.: No
Voltage: 12/24
Watt: 5

Dim.: 143x40x35 mm
Dist. mount. holes: 30 mm

Socket type: S8.5
Connection: Screw
Material: Plastic
Shape: Rectangular
Position light: w/
Tail light: w/
Approval: ADR
E-approval: Yes

171706 Tail/Position Lamp — Std pkg 1 — **Servicing:** HC-CARGO 171627



Bulb incl.: No
Voltage: 12/24
Watt: 5

Dim.: 74x40x37 mm
Dist. mount. holes: 45 mm

Socket type: S8.5
Connection: Screw
Shape: Rectangular
Position light: w/
Tail light: w/
Approval: ADR
E-approval: Yes

SPARE PARTS

170635 Lens — Std pkg 1 — **Servicing:** HC-CARGO 170632, 170633

Colour/glass: White
Material: Glass
Shape: Round

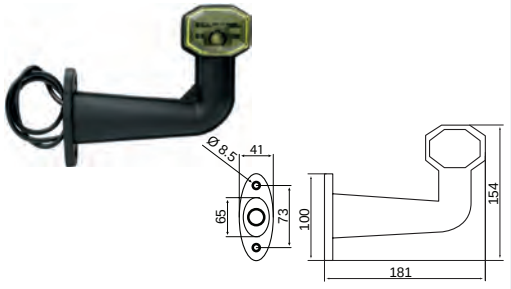
170636 Lens — Std pkg 1 — **Servicing:** HC-CARGO 170632, 170633

Colour/glass: Red
Material: Glass
Shape: Round

TAIL POSITION LAMPS LED

171528 LED Tail-Position Lamp — Std pkg 1

Flange 100x41 mm.



Voltage: 24

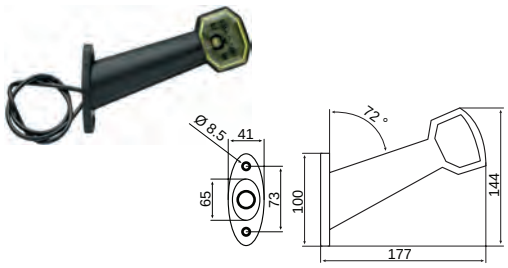
Dim.: 181x154x48 mm
Cable length: 700 mm
Dist. mount. holes: 73 mm

Type: LED Tail/position lamp
Connection: Cable
Colour/glass: Red/white
Material: Rubber
Material/lens: Shockproof plastic
Shape: Hexagon
Fixing screw: 2
Position light: w/
Tail light: w/
No./LEDs: 2x1
RH/LH: RH/LH
E-approval: Yes

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

171529 LED Tail-Position Lamp — Std pkg 1

Flange 100x41 mm.

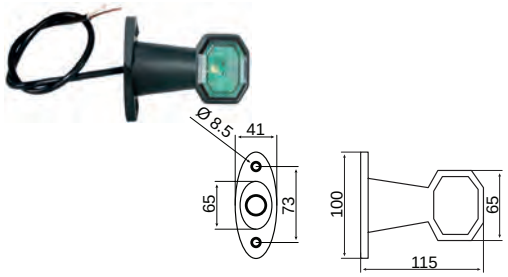


Voltage: 24

Dim.: 177x144x48 mm
Cable length: 700 mm
Dist. mount. holes: 73 mm

Type: LED Tail/position lamp
Connection: Cable
Colour/glass: Red/white
Material: Rubber
Material/lens: Shockproof plastic
Shape: Hexagon
Fixing screw: 2
Position light: w/
Tail light: w/
No./LEDs: 2x1
RH/LH: RH/LH
E-approval: Yes

171530 LED Tail-Position Lamp — Std pkg 1

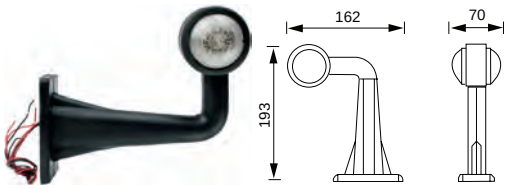


Voltage: 24

Dim.: 115x65x48 mm
Cable length: 700 mm
Dist. mount. holes: 73 mm

Type: LED Tail/position lamp
Connection: Cable
Colour/glass: Red/white
Material: Rubber
Material/lens: Shockproof plastic
Shape: Hexagon
Fixing screw: 2
Position light: w/
Tail light: w/
No./LEDs: 2x1
RH/LH: RH/LH
E-approval: Yes

171591 LED Tail-Position Lamp — Std pkg 1

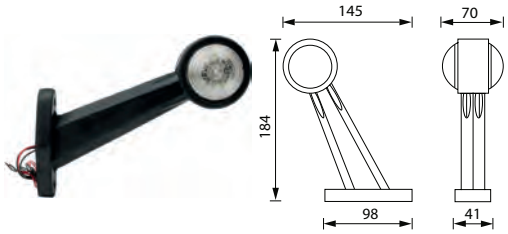


Voltage: 9-36

Dim.: 193x162x70 mm
Dist. mount. holes: 78 mm

Type: LED Tail/position lamp
Connection: Cable
Colour/glass: Red/white
Shape: Round
Position light: w/
Tail light: w/
No./LEDs: 2x3
RH/LH: RH/LH
Approval: ADR/SAE
E-approval: Yes

171592 LED Tail-Position Lamp — Std pkg 1

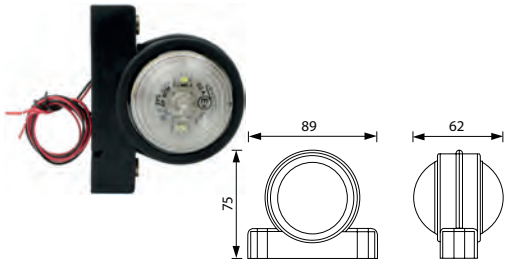


Voltage: 9-36

Dim.: 184x145x70 mm
Dist. mount. holes: 78 mm

Type: LED Tail/position lamp
Connection: Cable
Colour/glass: Red/white
Shape: Round
Position light: w/
Tail light: w/
No./LEDs: 2x3
RH/LH: RH/LH
Approval: SAE
E-approval: Yes

171593 LED Tail-Position Lamp — Std pkg 1



Voltage: 9-36

Dim.: 75x89x62 mm
OD: 45 mm
Dist. mount. holes: 78 mm

Type: LED Tail/position lamp
Connection: Cable
Colour/glass: Red/white
Material: Rubber
Shape: Round
Position light: w/
Tail light: w/
No./LEDs: 2x3
RH/LH: RH/LH
Approval: ADR/SAE
E-approval: Yes

171617 LED Tail-Position Lamp — Std pkg 1

Voltage: 9-36

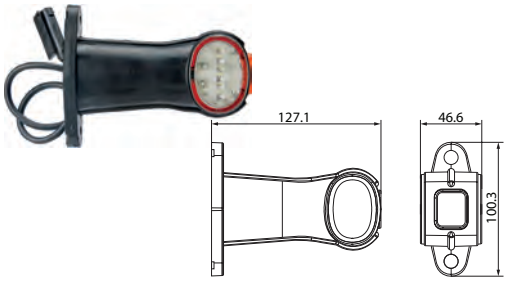
Dim.: 96x76x63 mm
OD: 76 mm
Dist. mount. holes: 78 mm

Type: LED Tail/position lamp
Connection: Cable
Colour/glass: Red/white
Material: Synthetic rubber
Shape: Round
Position light: w/
Tail light: w/
No./LEDs: 2x3
RH/LH: RH/LH
Approval: ADR/SAE
E-approval: Yes

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

171730 LED Tail/Position/Side Marker Std pkg 1

w/ 128 mm rubber arm. Cover of click-in connector: HC-CARGO 172016.



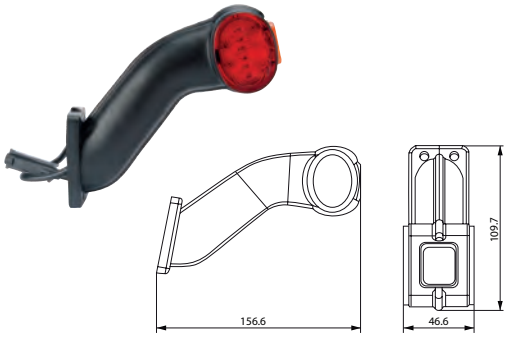
Voltage: 12/24

Dim.: 127.1x100.3 mm
Cable length: 500 mm
Dist. mount. holes: 78 mm

Type: LED Tail/position/side marker lamp
Connection: Cable
Shape: Oval
Mount.: 2 screws
Position light: w/
Sidemarker lamp: w/
Tail light: w/
No./LEDs: 7
RH/LH: RH/LH
Tightness norm: IP 67
E-approval: Yes

171731 LED Tail/Position/Side Marker Std pkg 1

w/ 145 mm rubber arm. Cover of click-in connector: HC-CARGO 172016.



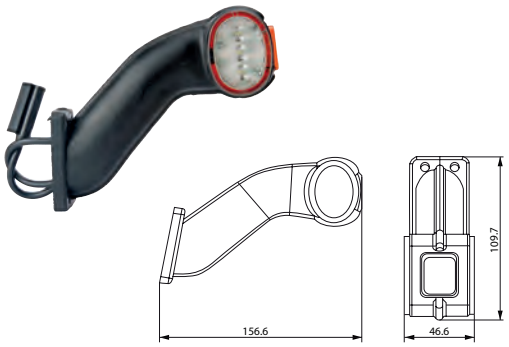
Voltage: 12/24

Dim.: 142.2x130.5x40.5 mm
Cable length: 450 mm
Dist. mount. holes: 52 mm

Type: LED Tail/position/side marker lamp
Connection: Cable
Colour: Black
Material: Rubber
Shape: Oval
Mount.: 4 holes
Position light: w/
Sidemarker lamp: w/
Tail light: w/
No./LEDs: 9
RH/LH: RH
Tightness norm: IP 67
E-approval: Yes

171732 LED Tail/Position/Side Marker Std pkg 1

Cover of click-in connector: HC-CARGO 172016.



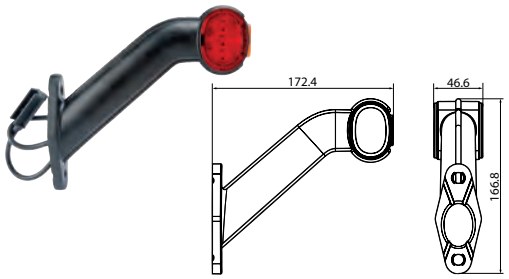
Voltage: 12/24

Dim.: 142.2x130.5x40.5 mm
Cable length: 450 mm
Dist. mount. holes: 52 mm

Type: LED Tail/position/side marker lamp
Connection: Cable
Colour: Black
Material: Rubber
Shape: Oval
Mount.: 4 holes
Position light: w/
Sidemarker lamp: w/
Tail light: w/
No./LEDs: 9
RH/LH: LH
Tightness norm: IP 67
E-approval: Yes

171733 LED Tail/Position/Side Marker Std pkg 1

Cover of click-in connector: HC-CARGO 172016.



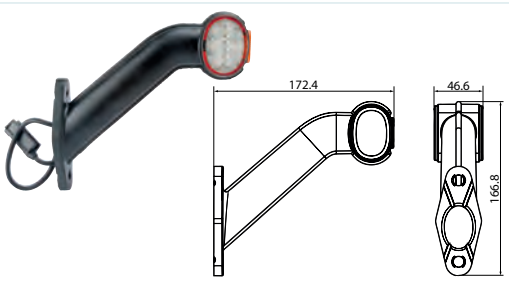
Voltage: 12/24

Dim.: 172.4x166.8x46.6 mm
Cable length: 500 mm
Dist. mount. holes: 78 mm

Type: LED Tail/position/side marker lamp
Connection: Cable
Shape: Oval
Mount.: 2 screws
Position light: w/
Sidemarker lamp: w/
Tail light: w/
No./LEDs: 7
RH/LH: RH
Tightness norm: IP 67

171734 LED Tail/Position/Side Marker Std pkg 1

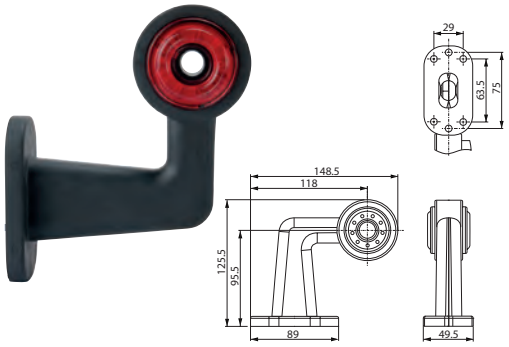
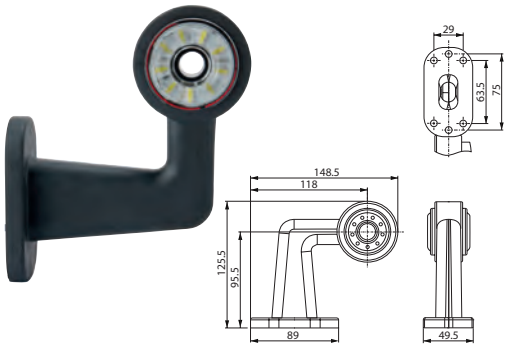
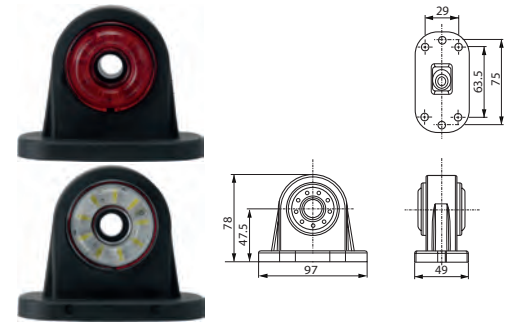
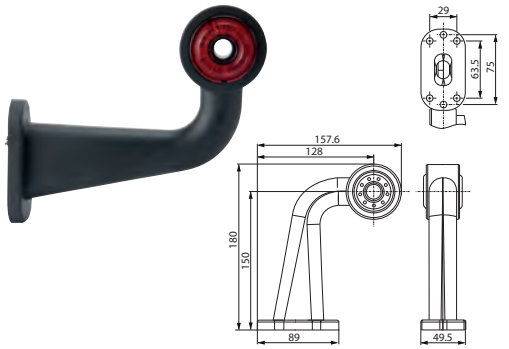
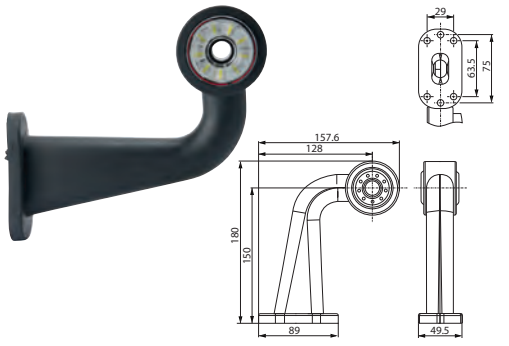
Cover of click-in connector: HC-CARGO 172016.

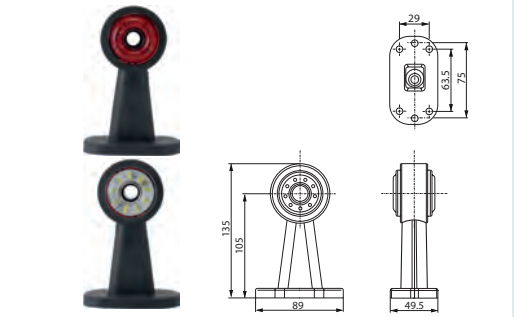
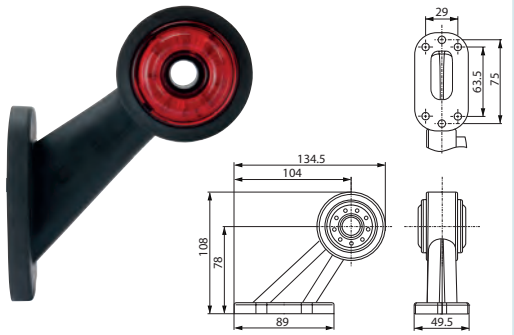
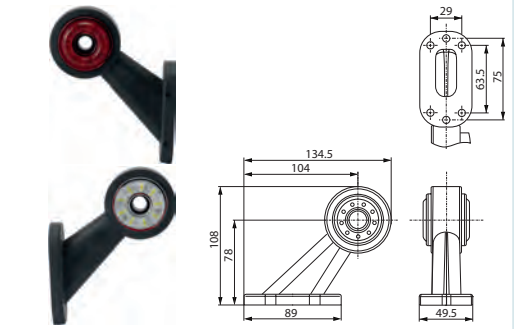
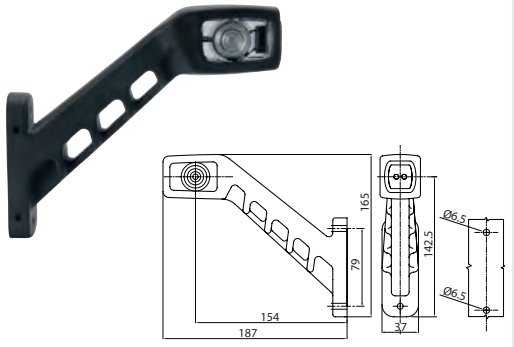
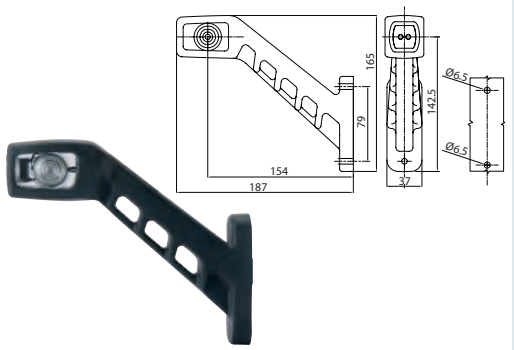


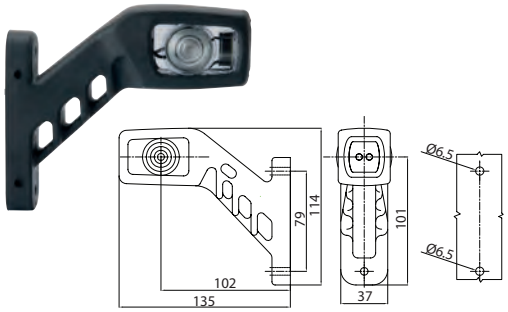
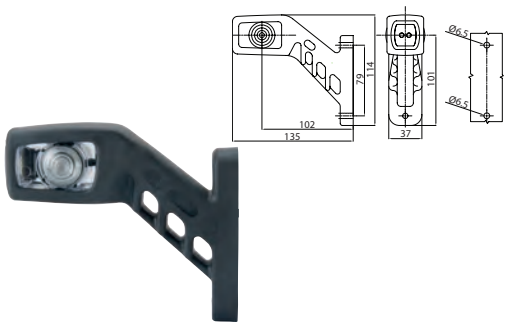
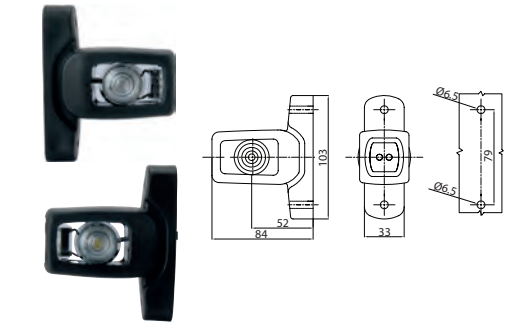
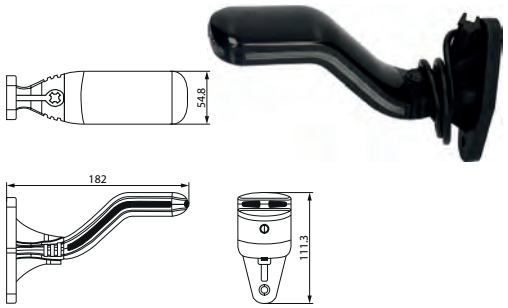
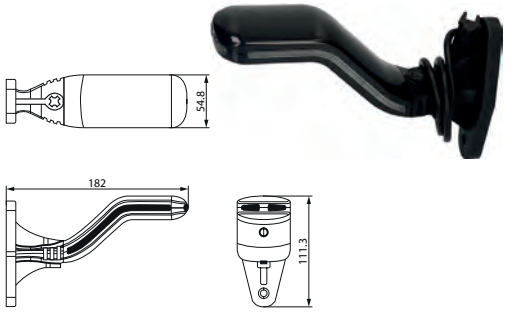
Voltage: 12/24

Dim.: 172.4x166.8x46.6 mm
Cable length: 500 mm
Dist. mount. holes: 78 mm

Type: LED Tail/position/side marker lamp
Connection: Cable
Shape: Oval
Mount.: 2 screws
Position light: w/
Sidemarker lamp: w/
Tail light: w/
No./LEDs: 7
RH/LH: LH
Tightness norm: IP 67

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
171958 LED Tail-Position Lamp Std pkg 1			
	**Voltage:** 12-24	**Dim.:** 148.5x125.5x89 mm **Cable length:** 300 mm **Dist. mount. holes:** 63.5/75/29 mm	**Type:** LED Tail/position lamp **Connection:** Cable **Colour:** Black **Colour/glass:** Red/white **Material:** Rubber **Material/lens:** Shockproof plastic **Shape:** Round **Mount.:** 6 screws **Position light:** w/ **Tail light:** w/ **RH/LH:** RH **Tightness norm:** IP 68 **E-approval:** Yes
171959 LED Tail-Position Lamp Std pkg 1			
	**Voltage:** 12-24	**Dim.:** 148.5x125.5x89 mm **Cable length:** 300 mm **Dist. mount. holes:** 63.5/75/29 mm	**Type:** LED Tail/position lamp **Connection:** Cable **Colour:** Black **Colour/glass:** Red/white **Material:** Rubber **Material/lens:** Shockproof plastic **Shape:** Round **Mount.:** 6 screws **Position light:** w/ **Tail light:** w/ **RH/LH:** LH **Tightness norm:** IP 68 **E-approval:** Yes
171960 LED Tail-Position Lamp Std pkg 1			
	**Voltage:** 12-24	**Dim.:** 97x78x49 mm **Cable length:** 300 mm **Dist. mount. holes:** 75/63.5/29 mm	**Type:** LED Tail/position lamp **Connection:** Cable **Colour:** Black **Colour/glass:** Red/white **Material:** Rubber **Material/lens:** Shockproof plastic **Shape:** Round **Mount.:** 6 screws **Position light:** w/ **Tail light:** w/ **RH/LH:** RH/LH **Tightness norm:** IP 68 **E-approval:** Yes
171961 LED Tail-Position Lamp Std pkg 1			
	**Voltage:** 12-24	**Dim.:** 180x157.6x89 mm **Cable length:** 300 mm **Dist. mount. holes:** 75/63.5/29 mm	**Type:** LED Tail/position lamp **Connection:** Cable **Colour:** Black **Colour/glass:** Red/white **Material:** Rubber **Material/lens:** Shockproof plastic **Shape:** Round **Mount.:** 6 screws **Position light:** w/ **Tail light:** w/ **RH/LH:** RH **Tightness norm:** IP 68 **E-approval:** Yes
171962 LED Tail-Position Lamp Std pkg 1			
	**Voltage:** 12-24	**Dim.:** 180x157.6x89 mm **Cable length:** 300 mm **Dist. mount. holes:** 75/63.5/29 mm	**Type:** LED Tail/position lamp **Connection:** Cable **Colour:** Black **Colour/glass:** Red/white **Material:** Rubber **Material/lens:** Shockproof plastic **Shape:** Round **Mount.:** 6 screws **Position light:** w/ **Tail light:** w/ **RH/LH:** LH **Tightness norm:** IP 68 **E-approval:** Yes

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
171963 LED Tail-Position Lamp Std pkg 1			
	**Voltage:** 12-24	**Dim.:** 135x89x49.5 mm **Cable length:** 300 mm **Dist. mount. holes:** 75/63.5/29 mm	**Type:** LED Tail/position lamp **Connection:** Cable **Colour:** Black **Colour/glass:** Red/white **Material:** Rubber **Material/lens:** Shockproof plastic **Shape:** Round **Mount.:** 6 screws **Position light:** w/ **Tail light:** w/ **RH/LH:** RH/LH **Tightness norm:** IP 68 **E-approval:** Yes
171964 LED Tail-Position Lamp Std pkg 1			
	**Voltage:** 12-24	**Dim.:** 134.5x108x89 mm **Cable length:** 300 mm **Dist. mount. holes:** 75/63.5/29 mm	**Type:** LED Tail/position lamp **Connection:** Cable **Colour:** Black **Colour/glass:** Red/white **Material:** Rubber **Material/lens:** Shockproof plastic **Shape:** Round **Mount.:** 6 screws **Position light:** w/ **Tail light:** w/ **RH/LH:** RH **Tightness norm:** IP 68 **E-approval:** Yes
171965 LED Tail-Position Lamp Std pkg 1			
	**Voltage:** 12-24	**Dim.:** 134.5x108x89 mm **Cable length:** 300 mm **Dist. mount. holes:** 75/63.5/29 mm	**Type:** LED Tail/position lamp **Connection:** Cable **Colour:** Black **Colour/glass:** Red/white **Material:** Rubber **Material/lens:** Shockproof plastic **Shape:** Round **Mount.:** 6 screws **Position light:** w/ **Tail light:** w/ **RH/LH:** LH **Tightness norm:** IP 68 **E-approval:** Yes
171966 LED Tail/Position/Side Marker Std pkg 1			
	**Voltage:** 12-24	**Dim.:** 187x165x37 mm **Cable length:** 300 mm **Dist. mount. holes:** 79 mm	**Type:** LED Tail/position/side marker lamp **Connection:** Cable **Colour:** Black **Colour/glass:** Transparent **Material:** Rubber **Material/lens:** Shockproof plastic **Shape:** Rectangular **Mount.:** 2 screws **Position light:** w/ **Sidemarker lamp:** w/ **Tail light:** w/ **RH/LH:** RH **Tightness norm:** IP 68 **E-approval:** Yes
171967 LED Tail/Position/Side Marker Std pkg 1			
	**Voltage:** 12-24	**Dim.:** 187x165x37 mm **Cable length:** 300 mm **Dist. mount. holes:** 79 mm	**Type:** LED Tail/position/side marker lamp **Connection:** Cable **Colour:** Black **Colour/glass:** Transparent **Material:** Rubber **Material/lens:** Shockproof plastic **Shape:** Rectangular **Mount.:** 2 screws **Position light:** w/ **Sidemarker lamp:** w/ **Tail light:** w/ **RH/LH:** LH **Tightness norm:** IP 68 **E-approval:** Yes

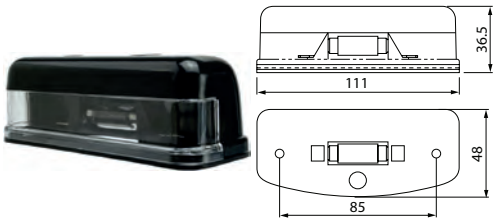
	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
171968 LED Tail/Position/Side Marker Std pkg 1			
	**Voltage:** 12-24	**Dim.:** 135x114x37 mm **Cable length:** 300 mm **Dist. mount. holes:** 79 mm	**Type:** LED Tail/position/side marker lamp **Connection:** Cable **Colour:** Black **Colour/glass:** Transparent **Material:** Rubber **Material/lens:** Shockproof plastic **Shape:** Rectangular **Mount.:** 2 screws **Position light:** w/ **Sidemarker lamp:** w/ **Tail light:** w/ **RH/LH:** RH **Tightness norm:** IP 68 **E-approval:** Yes
171969 LED Tail/Position/Side Marker Std pkg 1			
	**Voltage:** 12-24	**Dim.:** 135x114x37 mm **Cable length:** 300 mm **Dist. mount. holes:** 79 mm	**Type:** LED Tail/position/side marker lamp **Connection:** Cable **Colour:** Black **Colour/glass:** Transparent **Material:** Rubber **Material/lens:** Shockproof plastic **Shape:** Rectangular **Mount.:** 2 screws **Position light:** w/ **Sidemarker lamp:** w/ **Tail light:** w/ **RH/LH:** LH **Tightness norm:** IP 68 **E-approval:** Yes
171970 LED Tail/Position/Side Marker Std pkg 1			
	**Voltage:** 12-24	**Dim.:** 103x84x33 mm **Cable length:** 300 mm **Dist. mount. holes:** 79 mm	**Type:** LED Tail/position/side marker lamp **Connection:** Cable **Colour:** Black **Colour/glass:** Transparent **Material:** Rubber **Material/lens:** Shockproof plastic **Shape:** Rectangular **Mount.:** 2 screws **Position light:** w/ **Sidemarker lamp:** w/ **Tail light:** w/ **RH/LH:** RH/LH **Tightness norm:** IP 68 **E-approval:** Yes
172235 LED Tail/Position/Side Marker Std pkg 1			
Cover of click-in connector: HC-CARGO 172016.			
	**Voltage:** 12-24	**Dim.:** 182x111.3x54.8 mm **Cable length:** 500 mm **Dist. mount. holes:** 78 mm	**Type:** LED Tail/position/side marker lamp **Connection:** Cable **Colour:** Black **Colour/glass:** Transparent **Material:** Polycarbonate **Shape:** Rectangular **Mount.:** 2 screws **Position light:** w/ **Sidemarker lamp:** w/ **Tail light:** w/ **RH/LH:** LH **Tightness norm:** IP 67 **Approval:** ECE R7 **E-approval:** Yes
172236 LED Tail/Position/Side Marker Std pkg 1			
Cover of click-in connector: HC-CARGO 172016.			
	**Voltage:** 12-24	**Dim.:** 182x111.3x54.8 mm **Cable length:** 500 mm **Dist. mount. holes:** 78 mm	**Type:** LED Tail/position/side marker lamp **Connection:** Cable **Colour:** Black **Colour/glass:** Transparent **Material:** Polycarbonate **Shape:** Rectangular **Mount.:** 2 screws **Position light:** w/ **Sidemarker lamp:** w/ **Tail light:** w/ **RH/LH:** RH **Tightness norm:** IP 67 **Approval:** ECE R7 **E-approval:** Yes

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

NUMBERPLATE LAMPS CONVENTIONAL

170002 Numberplate Lamp — Std pkg 1

Servicing: Universal - Visit our web catalogue for further information

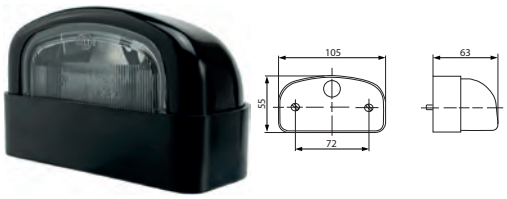


Bulb incl.: Yes
Voltage: 12/24
Watt: 5

Dim.: 111x36.5x48 mm

Socket type: S8.5
Colour: Black
Shape: Rectangular
Approval: CE

170936 Numberplate Lamp — Std pkg 1

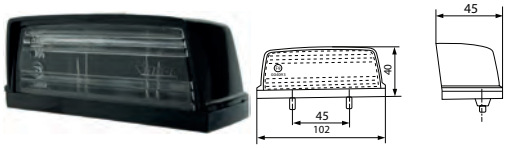


Bulb incl.: No
Voltage: 12
Watt: 5

Dim.: 105x55x63 mm
Dist. mount. holes:
72 mm

Type: Illumination of numberplate
Socket type: S8.5
Connection: Screw
Colour: Black
Material: Shockproof plastic
Shape: Rectangular
Fixing screw: 2
Numberplate light: w/
E-approval: Yes

171045 Numberplate Lamp — Std pkg 1



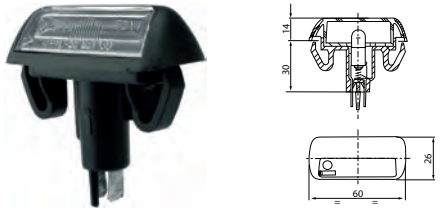
Bulb incl.: No
Voltage: 12/24
Watt: 5

Dim.: 102x40x45 mm
Dist. mount. holes:
45 mm

Type: Illumination of numberplate
Socket type: S8.5
Connection: Terminal
Colour: Black
Material: Shockproof plastic
Shape: Rectangular
Fixing screw: 2
E-approval: Yes

171164 Numberplate Lamp — Std pkg 1

Servicing: Ford, Universal - Visit our web catalogue for further information



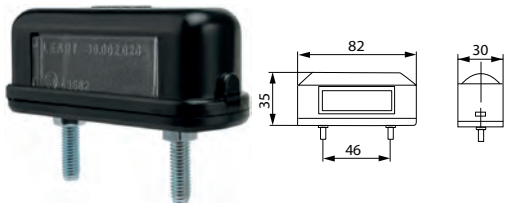
Bulb incl.: No
Voltage: 12
Watt: 5

Dim.: 60x44x26 mm

Type: Illumination of numberplate
Socket type: T10
Colour: Black
Shape: Rectangular
E-approval: Yes

171166 Numberplate Lamp — Std pkg 2

Universal.

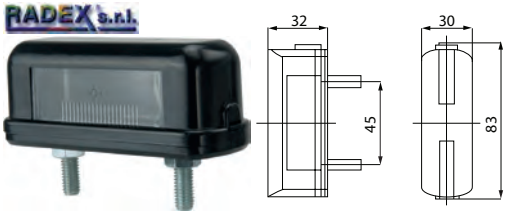


Bulb incl.: No
Voltage: 12/24
Watt: 5

Dim.: 82x35x30 mm
Dist. mount. holes:
46 mm

Type: Illumination of numberplate
Socket type: S8.5
Connection: Screw
Colour: Black
Shape: Rectangular
Fixing screw: 2
E-approval: Yes
Alternativ no.: 171224

171224 Numberplate Lamp — Std pkg 1



Bulb incl.: No
Voltage: 12/24
Watt: 5

Dim.: 82.7x28x31.6 mm
Dist. mount. holes:
45 mm

Type: Illumination of numberplate
Socket type: S8.5
Connection: Screw
Colour: Black
Material: Shockproof plastic
Shape: Rectangular
Fixing screw: 2
E-approval: Yes
Alternativ no.: 171166

171345 Numberplate Lamp — Std pkg 1

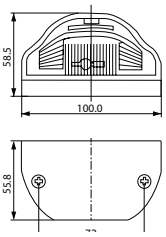
Bulb incl.: No
Watt: 5

Dim.:
100x58.1x69.7 mm
Dist. mount. holes:
58.5 mm

Type: Illumination of numberplate
Socket type: S8.5
Connection: Screw
Colour: Black
Material: Plastic
Shape: Rectangular
Fixing screw: 2
E-approval: Yes

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

171823 Numberplate Lamp — Std pkg 1



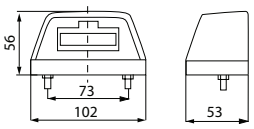
Bulb incl.: No
Watt: 5

Dim.:
100x58.5x55.8 mm
Dist. mount. holes:
72 mm

Type: Illumination of numberplate
Socket type: S8.5
Connection: Screw
Colour: Black
Colour/glass: Red
Material: Plastic
Shape: Rectangular
Fixing screw: 2
Numberplate light: w/
E-approval: Yes

NUMBERPLATE LAMPS LED

171622 LED Numberplate Lamp — Std pkg 1

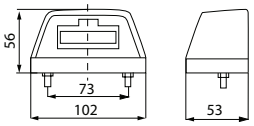


Voltage: 24

Dim.: 102x56x53 mm
Dist. mount. holes:
72 mm

Type: LED Illumination of numberplate
Colour: Black
Colour/glass: Transparent
Shape: Rectangular
Numberplate light: w/
No./LEDs: 4
E-approval: Yes

171624 LED Numberplate Lamp — Std pkg 1

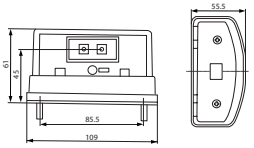


Voltage: 24

Dim.: 102x56x53 mm
Dist. mount. holes:
73 mm

Type: LED Illumination of numberplate
Colour: Black
Colour/glass: Red
Shape: Rectangular
Numberplate light: w/
LEDs: w/
E-approval: Yes

171709 LED Numberplate Lamp — Std pkg 1

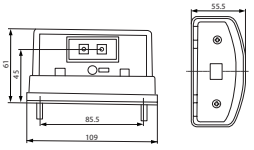


Voltage: 12/24

Dim.: 109x61x55.5 mm
Dist. mount. holes:
85.5 mm

Type: LED Illumination of numberplate
Socket type: LED
Colour: Red
Material: Shockproof plastic
Shape: Rectangular
Fixing screw: 2
Numberplate light: w/
E-approval: Yes

171714 LED Numberplate Lamp — Std pkg 1

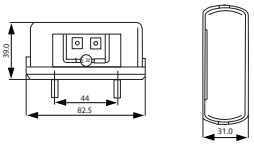


Voltage: 12/24

Dim.: 109x61x55.5 mm
Dist. mount. holes:
85.5 mm

Type: LED Illumination of numberplate
Socket type: LED
Colour: Black
Material: Shockproof plastic
Shape: Rectangular
Numberplate light: w/

171715 LED Numberplate Lamp — Std pkg 1

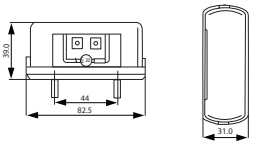


Voltage: 12/24

Dim.: 82.5x39x31 mm
Dist. mount. holes:
44 mm

Type: LED Illumination of numberplate
Socket type: LED
Colour/glass: Red
Material: Shockproof plastic
Shape: Rectangular
Fixing screw: 2
Numberplate light: w/
Tightness norm: IP 68
E-approval: Yes

171716 LED Numberplate Lamp — Std pkg 1



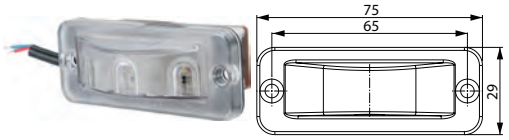
Voltage: 12/24

Dim.: 82.5x39x31 mm
Dist. mount. holes:
44 mm

Type: LED Illumination of numberplate
Socket type: LED
Colour: Black
Shape: Rectangular
Fixing screw: 2
Numberplate light: w/
E-approval: Yes

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

171737 LED Numberplate Lamp — Std pkg 1

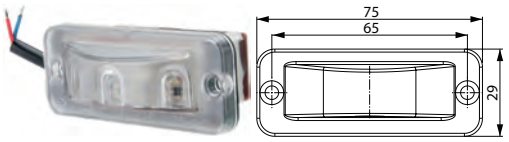


Voltage: 12
Watt: 0.3

Dim.: 75x29x34 mm
Cable length: 300 mm
Dist. mount. holes: 65 mm

Type: LED Illumination of numberplate
Connection: Cable
Shape: Rectangular
Mount.: 2 screws
Numberplate light: w/
No./LEDs: 3
E-approval: Yes

171738 LED Numberplate Lamp — Std pkg 1

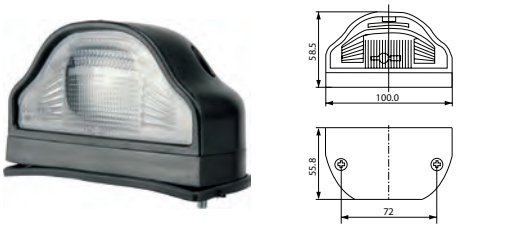


Voltage: 24

Dim.: 75x29x34 mm
Cable length: 300 mm
Dist. mount. holes: 65 mm

Type: LED Illumination of numberplate
Connection: Cable
Shape: Rectangular
Mount.: 2 screws
Numberplate light: w/
No./LEDs: 3

171824 LED Numberplate Lamp — Std pkg 1

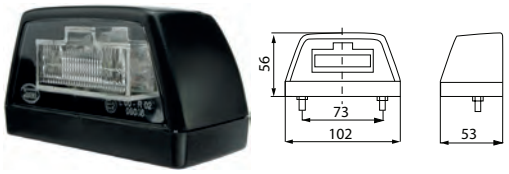


Voltage: 12/24
Watt: 0.5-1.1

Dim.: 100x58.5x55.8 mm
Cable length: 1000 mm
Dist. mount. holes: 72 mm

Type: LED Illumination of numberplate
Colour: Black
Colour/glass: White
Material: Plastic
Shape: Rectangular
Fixing screw: 2
Numberplate light: w/
No./LEDs: 2
E-approval: Yes

172002 LED Numberplate Lamp — Std pkg 1

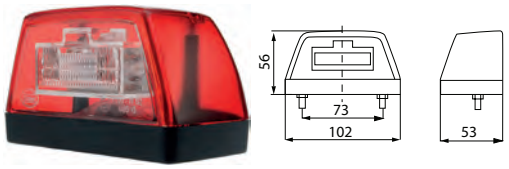


Voltage: 12

Dim.: 102x56x53 mm
Dist. mount. holes: 73 mm

Type: LED Illumination of numberplate
Colour: Black
Colour/glass: Transparent
Material: Plastic
Shape: Rectangular
Numberplate light: w/
No./LEDs: 4
E-approval: Yes

172009 LED Numberplate Lamp — Std pkg 1



Voltage: 12

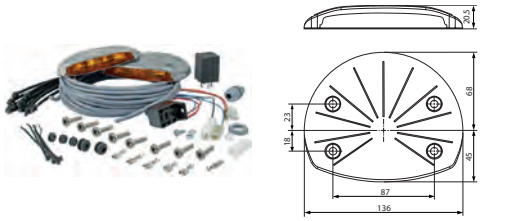
Dim.: 102x56x53 mm
Dist. mount. holes: 73 mm

Type: LED Illumination of numberplate
Colour: Black
Colour/glass: Red
Shape: Rectangular
Numberplate light: w/
LEDs: w/
E-approval: Yes

TAIL-LIFT LAMPS CONVENTIONAL

170746 Tail Lift Lamp Set — Std pkg 1

Set of cables, connectors and mounting screws. Incl. 12/24 V relay.

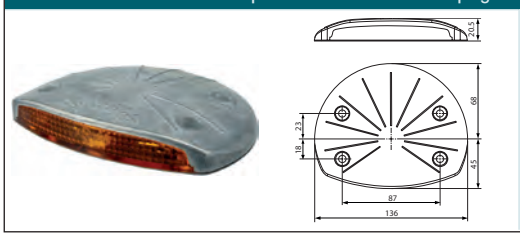


Bulb incl.: Yes
Voltage: 24

Dim.: 136x113x20.5 mm
Dist. mount. holes: 87 mm

Material: Cast aluminum
Approval: GGVS/ADR

170748 Tail Lift Lamp — Std pkg 1



Bulb incl.: Yes
Voltage: 24

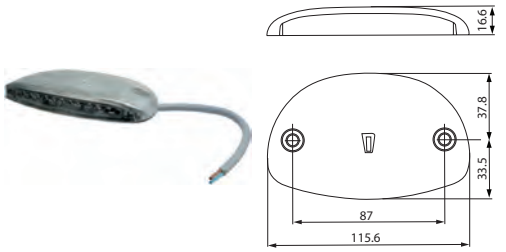
Dim.: 136x113x20.5 mm
Dist. mount. holes: 87 mm

Material: Cast aluminum
Approval: GGVS/ADR
E-approval: Yes

TAIL-LIFT LAMPS LED

171621 LED Tail Lift Lamp — Std pkg 1

Dust and waterproof.



Voltage: 24

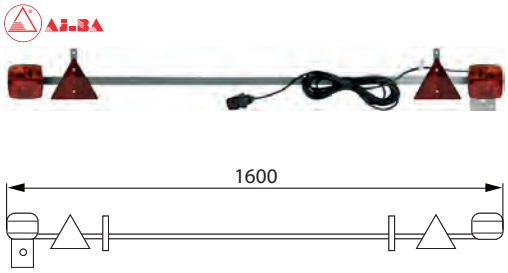
Dim.: 115x71.3x16.6 mm
Dist. mount. holes: 87 mm

Type: LED Tail lamp
Colour: Orange
Material: Alu/zinc
No./LEDs: 12
Approval: GGVS/ADR

TRAILER LIGHTING SETS

170809 Trailer Lighting Set — Std pkg 1

Light construction. 7-pole plug. Multi Function Lamp: HC-CARGO 170939.



Bulb incl.: Yes
Voltage: 12

Dim.: 1600 mm
Cable length: 7500 mm

Connection: Cable
Material: Galvanized steel
No./lamps: 2
No./reflectors: 2
Flasher light: w/
Numberplate holder: w/
Stop light: w/

170828 Front/rear lighting set — Std pkg 1

7-pole plug. Tail-stop-flash lamp: HC-CARGO 170939. Flash-position lamp: HC-CARGO 170941. Magnet w/ metal bracket: HC-CARGO 170942.

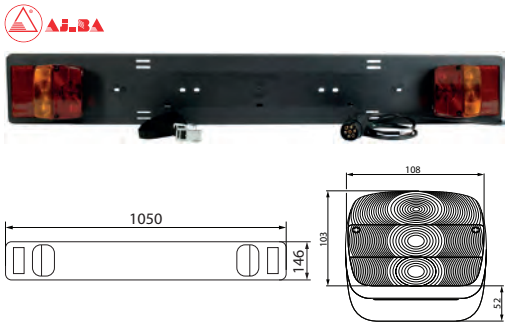
Bulb incl.: Yes
Voltage: 12

Dim.: 107x100 mm
Cable length: 4500/7500 mm

Connection: Cable
Shape: Square
Mount.: Magnetic
No./lamps: 2
Flasher light: w/
Position light: w/
Tail light: w/
Stop light: w/

170829 Number Plate Holder — Std pkg 1

Straps incl. 7-pole plug. Multi Function Lamp: HC-CARGO 170939, 170940.



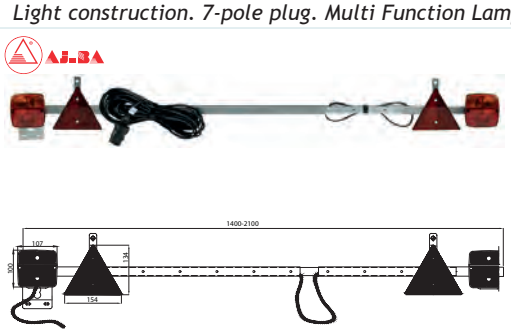
Bulb incl.: Yes
Voltage: 12

Dim.: 1050x146 mm
Cable length: 1500 mm

Reflector: w/
Numberplate holder: w/

170835 Trailer Lighting Set — Std pkg 1

Light construction. 7-pole plug. Multi Function Lamp: HC-CARGO 170939.



Bulb incl.: Yes
Voltage: 12

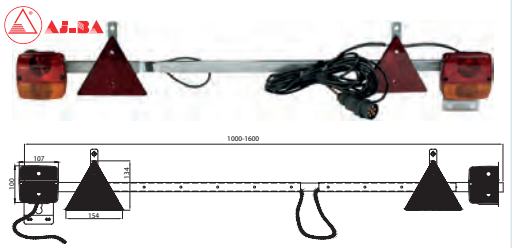
Dim.: 1400-2100 mm
Cable length: 12000 mm

Material: Galvanized steel
No./lamps: 2
No./reflectors: 2
Flasher light: w/
Numberplate holder: w/
Numberplate light: w/o
Rear/fog lamp: w/o
Reverse light: w/o
Position light: w/o
Sidemarker lamp: w/o
Tail light: w/
Stop light: w/
Width/adjustable: Yes

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

171049 Trailer Lighting Set — Std pkg 1

Extensible light construction. 7-pole plug. Multi Function Lamp: HC-CARGO 170939.



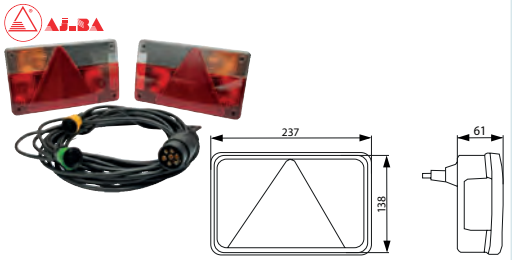
Bulb incl.: Yes
Voltage: 12

Dim.: 1000-1600 mm
Cable length: 7500 mm

Connection: Terminal
Material: Galvanized steel
No./lamps: 2
No./reflectors: 2
Flasher light: w/
Numberplate holder: w/
Numberplate light: w/
Tail light: w/
Stop light: w/
Width/adjustable: Yes
Alternativ no.: 170940

171818 Trailer lighting set — Std pkg 1

Lens: HC-CARGO 171833, 171834. Lamp: HC-CARGO 171870, 171871. Multi Connector: HC-CARGO 171372, 171373.



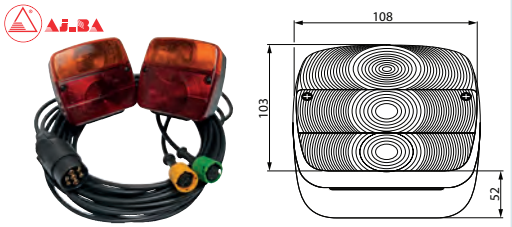
Bulb incl.: Yes
Voltage: 12

Dim.: 237x138x61 mm
Cable length:
2x5000 mm

Connection: Multiplug
Shape: Rectangular
No./lamps: 2
Flasher light: w/
Numberplate light: w/
Rear/fog lamp: w/
Reverse light: w/
Position light: w/o
Sidemarker lamp: w/o
Tail light: w/
Stop light: w/
E-approval: Yes

171821 Trailer lighting set — Std pkg 1

Multi connector: HC-CARGO 171372, 171373. Lens: HC-CARGO 170833. Light: HC-CARGO 171822.



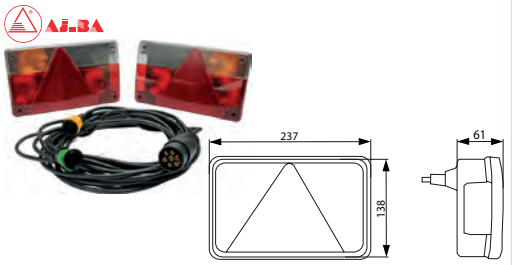
Bulb incl.: Yes
Voltage: 12
Watt: 21
Watt 2: 21/5

Dim.: 108x103x52 mm
Cable length:
2x5000 mm

Socket type: BA15S
Socket type 2: BAY15d
Connection: Multiplug
Shape: Square
Flasher light: w/
Numberplate light: w/o
Tail light: w/
Stop light: w/
E-approval: Yes

171872 Trailer lighting set — Std pkg 1

Lens: HC-CARGO 171833, 171834. Lamp: HC-CARGO 171870, 171871.



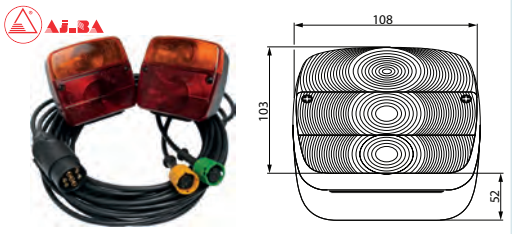
Bulb incl.: Yes
Voltage: 12

Dim.: 237x138x61 mm
Cable length:
2x7500 mm

Connection: Multiplug
Shape: Rectangular
No./lamps: 2
Flasher light: w/
Numberplate light: w/
Rear/fog lamp: w/
Reverse light: w/
Position light: w/o
Sidemarker lamp: w/o
Tail light: w/
Stop light: w/
E-approval: Yes

171873 Trailer lighting set — Std pkg 1

Multi connector: HC-CARGO 171372, 171373. Lens: HC-CARGO 170833.



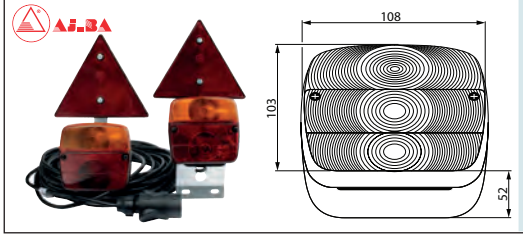
Bulb incl.: Yes
Voltage: 12

Dim.: 108x103x52 mm
Cable length:
2x7500 mm

Connection: Multiplug
Shape: Square
Flasher light: w/
Numberplate light: w/
Tail light: w/
Stop light: w/
E-approval: Yes

171935 Trailer Lighting Set — Std pkg 1

7-pole plug. Magnet w/ metalbracket: HC-CARGO 170942. Multi Function Lamp: HC-CARGO 170939.



Bulb incl.: Yes
Voltage: 12

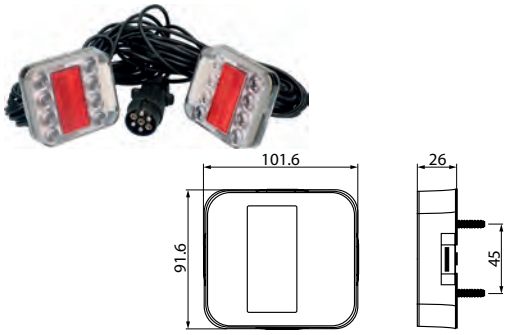
Dim.: 108x103x52 mm
Cable length:
4000/13000 mm

Connection: Cable
Mount.: Magnetic
No./lamps: 2
Reflector: w/
Flasher light: w/
Tail light: w/
Stop light: w/

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

172216 LED Trailer lighting set — Std pkg 1

w/ built-in resistor.



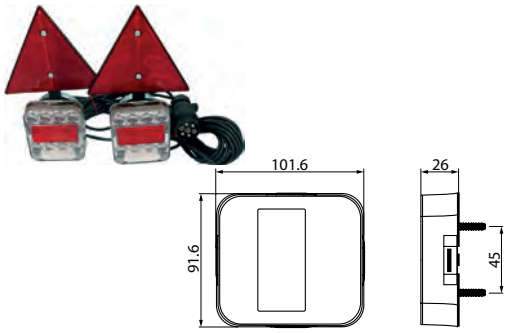
Voltage: 12

Dim.:
101.6x91.6x26 mm
Cable length:
2x7500 mm
Dist. mount. holes:
45 mm

Type: LED Multifunction Lamp
Connection: 7P Plug
Shape: Square
Mount.: 4 holes
No./lamps: 2
Reflector: w/
Flasher light: w/
Numberplate light: w/
Tail light: w/
Stop light: w/
LEDs: w/
Tightness norm: IP 67
E-approval: Yes
Alternativ no.: 172217

172217 LED Trailer lighting set — Std pkg 1

w/ built-in resistor.



Voltage: 12

Dim.:
101.6x91.6x26 mm
Cable length:
2x7500 mm

Type: LED
Connection: 7P Plug
Shape: Square
Mount.: Magnetic
No./lamps: 2
Reflector: w/
Flasher light: w/
Numberplate light: w/
Tail light: w/
Stop light: w/
LEDs: w/
Tightness norm: IP 67
E-approval: Yes
Alternativ no.: 172216

SPARE PARTS

170833 Lens, Rear Lamp — Std pkg 1 — **Servicing:** HC-CARGO 170939, 170940, 171821, 171822, 171873

Dim.: 108x103x52 mm

Material: Shockproof plastic
Shape: Square
Flasher light: w/
Numberplate light: w/o
Rear/fog lamp: w/o
Reverse light: w/o
Position light: w/o
Sidemarker lamp: w/o
Tail light: w/
Stop light: w/
RH/LH: RH/LH

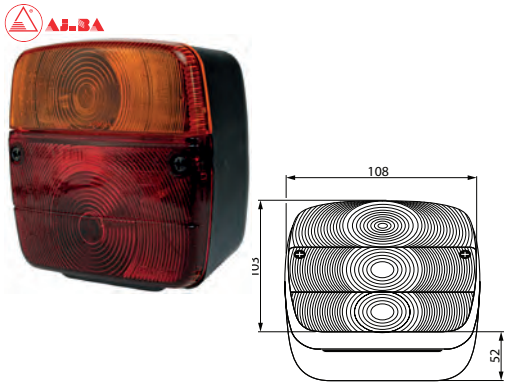
170834 Lens, Rear Lamp — Std pkg 1 — **Servicing:** HC-CARGO 170941

Dim.: 108x103x52 mm

Shape: Square
Fixing screw: 2
Flasher light: w/
Position light: w/

170939 Multi Function Lamp — Std pkg 1 — **Servicing:** HC-CARGO 170809, 170828, 170829, 170835, 171049, 171935

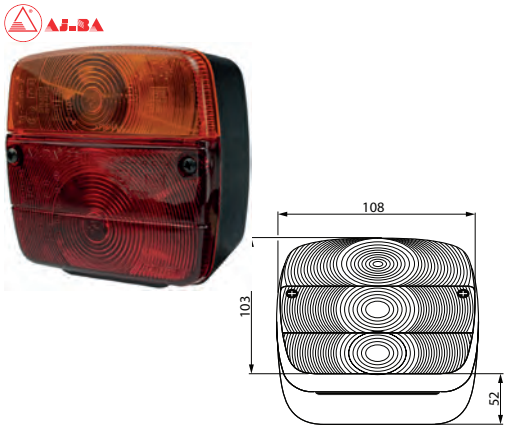
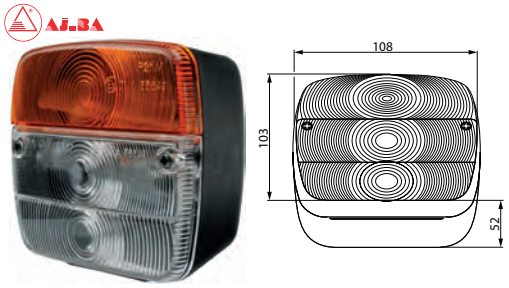
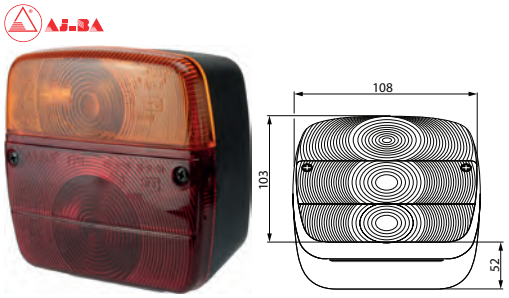
Lens: HC-CARGO 170833.



Bulb incl.: No
Watt: 21
Watt 2: 21/5

Dim.: 108x103x52 mm
Dist. mount. holes:
45/55 mm

Socket type: BA15S
Socket type 2: BAY15d
Connection: Terminal
Material: Shockproof plastic
Shape: Square
Fixing screw: 2
Flasher light: w/
Numberplate light: w/o
Rear/fog lamp: w/o
Reverse light: w/o
Position light: w/o
Sidemarker lamp: w/o
Tail light: w/
Stop light: w/
RH/LH: RH/LH
E-approval: Yes

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
170940 Multi Function Lamp — Std pkg 1 — **Servicing:** HC-CARGO 170829			
Lens: HC-CARGO 170833.			
	**Bulb incl.:** No **Watt:** 21 **Watt 2:** 21/5	**Dim.:** 108x103x52 mm **Dist. mount. holes:** 45/55 mm	**Socket type:** BA15S **Socket type 2:** BAY15d **Connection:** Terminal **Material:** Shockproof plastic **Shape:** Square **Fixing screw:** 2 **Flasher light:** w/ **Numberplate light:** w/ **Rear/fog lamp:** w/o **Reverse light:** w/o **Position light:** w/o **Sidemarker lamp:** w/o **Tail light:** w/ **Stop light:** w/ **RH/LH:** RH/LH **E-approval:** Yes **Alternativ no.:** 171049
170941 Flasher/Position Lamp — Std pkg 1 — **Servicing:** HC-CARGO 170828			
Lens: HC-CARGO 170834.			
	**Bulb incl.:** No **Watt:** 21 **Watt 2:** 5	**Dim.:** 108x103x52 mm **Dist. mount. holes:** 55 mm	**Socket type:** BA15S **Socket type 2:** S8.5 **Connection:** Terminal **Material:** Shockproof plastic **Shape:** Square **Fixing screw:** 2 **Flasher light:** w/ **Position light:** w/ **RH/LH:** RH/LH **E-approval:** Yes
170942 Magnet — Std pkg 2 — **Servicing:** HC-CARGO 170828, 171935			
For camera. Rubber Protection: HC-CARGO 171795.			
		OD: 76 mm	
171795 Rubber Protection — Std pkg 2 — **Servicing:** HC-CARGO 170942			
		ID: 76 mm	**Rubber:** w/
171822 Multi Function Lamp — Std pkg 1 — **Servicing:** HC-CARGO 171821			
Multi connector: HC-CARGO 171372, 171373. Lens: HC-CARGO 170833.			
	**Bulb incl.:** Yes **Voltage:** 12 **Watt:** 21 **Watt 2:** 21/5	**Dim.:** 108x103x52 mm **Dist. mount. holes:** 45/55 mm	**Socket type:** BA15S **Socket type 2:** BAY15d **Connection:** Multiplug **Shape:** Square **Flasher light:** w/ **Numberplate light:** w/o **Rear/fog lamp:** w/o **Reverse light:** w/o **Position light:** w/ **Sidemarker lamp:** w/o **Tail light:** w/o **Stop light:** w/ **E-approval:** Yes

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

171833 Lens, Rear Lamp — Std pkg 1 — **Servicing:** HC-CARGO 171818, 171871, 171872

Dim.: 237x138x19 mm

Material: Shockproof plastic
Shape: Rectangular
Flasher light: w/
Numberplate light: w/
Rear/fog lamp: w/
Position light: w/
Stop light: w/
RH/LH: RH
E-approval: Yes

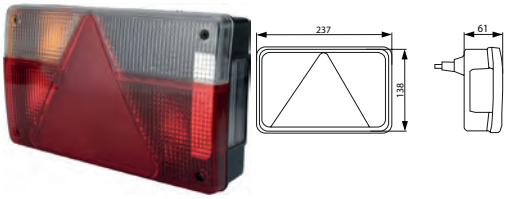
171834 Lens, Rear Lamp — Std pkg 1 — **Servicing:** HC-CARGO 171818, 171870, 171872

Dim.: 237x138x19 mm

Material: Shockproof plastic
Shape: Rectangular
Flasher light: w/
Numberplate light: w/
Rear/fog lamp: w/
Position light: w/
Stop light: w/
RH/LH: LH
E-approval: Yes

171870 Multi Function Lamp — Std pkg 1 — **Servicing:** HC-CARGO 171818, 171872

Lens: HC-CARGO 171834. Multi connector: HC-CARGO 171537, 171538. Right: HC-CARGO 171871.



Bulb incl.: Yes
Voltage: 12

Dim.: 237x138x61 mm

Shape: Rectangular
Flasher light: w/
Numberplate light: w/
Rear/fog lamp: w/
Reverse light: w/
Position light: w/
Sidemarker lamp: w/o
Tail light: w/o
Stop light: w/
RH/LH: LH
E-approval: Yes

171871 Multi Function Lamp — Std pkg 1 — **Servicing:** HC-CARGO 171818, 171872

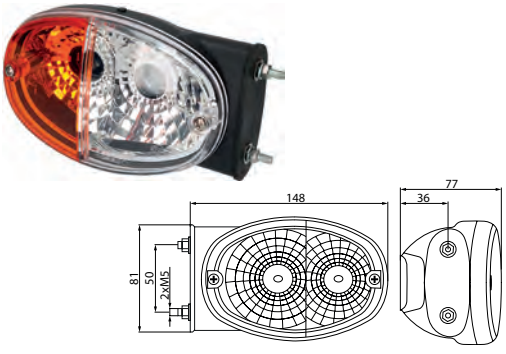
Lens: HC-CARGO 171833. Multi connector: HC-CARGO 171537, 171538. Left: HC-CARGO 171870.

Bulb incl.: Yes
Voltage: 12

Dim.: 237x138x61 mm

Shape: Rectangular
Flasher light: w/
Numberplate light: w/
Rear/fog lamp: w/
Reverse light: w/
Position light: w/
Sidemarker lamp: w/o
Tail light: w/o
Stop light: w/
RH/LH: RH
E-approval: Yes

172245 Flasher/Position Lamp — Std pkg 1 — **Servicing:** New Holland, Zetor - Visit our web catalogue for further information



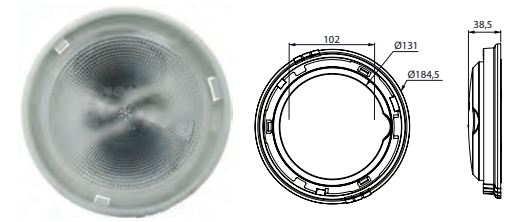
Bulb incl.: No
Voltage: 12/24
Watt: 21
Watt 2: 21/5

Dim.: 148x81x77 mm
Dist. mount. holes: 50 mm

Bulb type: P21W
Bulb type 2: R5W
Socket type: BA15S
Socket type 2: BA15S
Connection: Connection
Colour: Black
Material: Plastic
Shape: Oval
Mount.: Sidemounted
Flasher light: w/
Tail light: w/
RH/LH: RH/LH
Tightness norm: IP 55
E-approval: Yes
Alternativ no.: 172244

INTERIOR LAMPS CONVENTIONAL

171356 Interior Lamp — Std pkg 1



Bulb incl.: No
Watt: 25

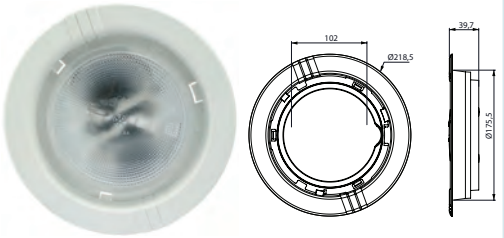
Dim.: 184.5x38.5 mm
Dist. mount. holes: 138 mm

Socket type: BA15S
Material: Plastic
Shape: Circular

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

171428 Interior Lamp — Std pkg 1

For build-in. Depth: 35 mm.



Bulb incl.: No
Watt: 25

Dim.: 218.5x39.7 mm
Dist. mount. holes: 180 mm

Socket type: BA15S
Material: Plastic
Shape: Circular

ACCESSORIES

161924 Motion sensor — Std pkg 1

Detection range: 1-3 m. Timer: 15 to 150 sec. DC connector: HC-CARGO 2x161731.

Voltage: 5-12
Amp: 3
Watt: max. 36

Dim.: 48x37x28 mm

Colour: White
Tightness norm: IP 20

161926* Motion sensor — Std pkg 1

Detection range: 1 m to 4 m. Timer: 1 to 10 minutes.

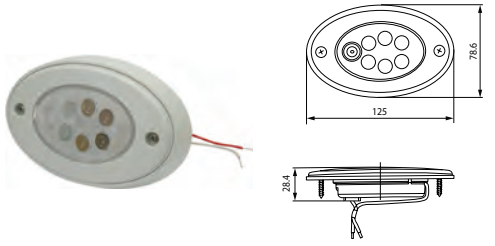
Voltage: 12/24
Amp: 5

Dim.: 76x35x33 mm

Colour: Black

INTERIOR LAMPS LED

171676 LED Interior Lamp — Std pkg 1

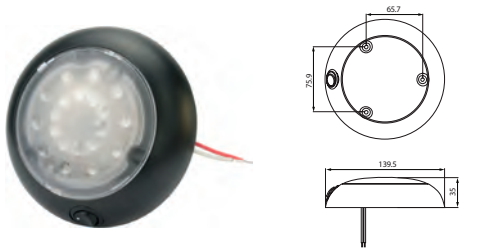


Voltage: 12/24
Watt: 0.7

Dim.: 125x78.6x28.4 mm
Cable length: 120 mm
Dist. mount. holes: 100 mm

Type: LED Interior lamp
Connection: Cable
Colour: White
Colour/glass: Frosted
Material: Shockproof plastic
Material/lens: PMMA
Shape: Oval
Switch: w/
No./LEDs: 6
Approval: CE/UL

171677 LED Interior Lamp — Std pkg 1



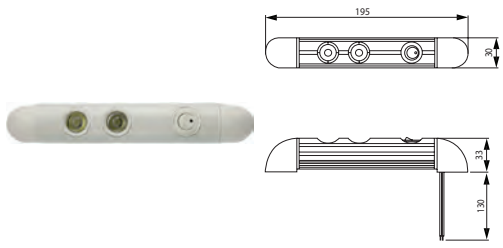
Voltage: 12/24
Watt: 1.5

Dim.: 139.5x35 mm
Cable length: 210 mm
Dist. mount. holes: 75 mm

Type: LED Interior lamp
Connection: Cable
Colour: Black
Colour/glass: Frosted
Material: Shockproof plastic
Material/lens: PMMA
Shape: Round
Mount.: Plan installation
Switch: w/
No./LEDs: 20
Approval: CE

171679 LED Interior Lamp — Std pkg 1

180° adjustable.



Voltage: 9-30
Watt: 3

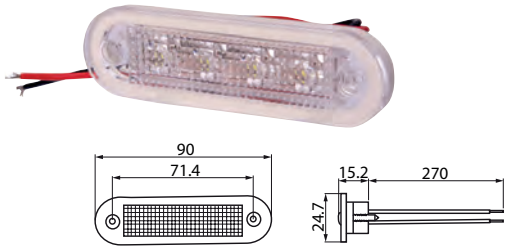
Dim.: 195x30x33 mm
Cable length: 130 mm
Dist. mount. holes: 164 mm

Type: LED Interior lamp
Connection: Cable
Colour: White
Colour/glass: Transparent
Material: Alu/plastic
Material/lens: PMMA
Shape: Oblong
Switch: w/
No./LEDs: 2
Approval: CE

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

171695 LED Interior Lamp — Std pkg 1

For flush mounting.



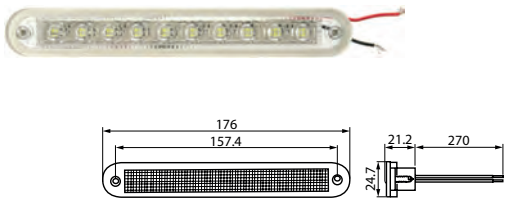
Voltage: 12/24

Dim.: 90x24.7 mm
Cable length: 270 mm
Dist. mount. holes: 71.4 mm

Type: LED Interior lamp
Connection: Cable
Colour: White
Colour/glass: Frosted
Material: Shockproof plastic
Material/lens: PMMA
Shape: Oval
Mount.: Plan installation
No./LEDs: 4
Tightness norm: IP 66
Approval: CE

171696 LED Interior Lamp — Std pkg 1

For flush mounting.



Voltage: 12/24
Watt: 0.8

Dim.: 176x24.7x21.2 mm
Cable length: 270 mm
Dist. mount. holes: 157.4 mm

Type: LED Interior lamp
Connection: Cable
Colour: White
Colour/glass: Frosted
Material: Shockproof plastic
Material/lens: PMMA
Shape: Oval
Mount.: Plan installation
No./LEDs: 10
Tightness norm: IP 66
Approval: CE

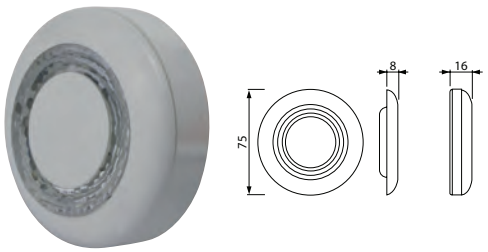
171750 LED Interior Lamp — Std pkg 1

Voltage: 12/24
Lumen: 550

Dim.: 177x15.7 mm
Cable length: 180 mm
Dist. mount. holes: 140 mm

Type: LED Interior lamp
Connection: Cable
Colour: Chrome
Colour/glass: Frosted
Material: Shockproof plastic
Material/lens: PMMA
Shape: Round
Mount.: Plan installation
No./LEDs: 39
Tightness norm: IP 56
Approval: CE

171767 LED Interior Lamp — Std pkg 1

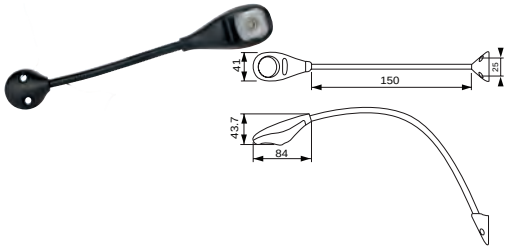


Voltage: 9-30
Watt: 0.8

Dim.: 75x16 mm
Cable length: 120 mm
Dist. mount. holes: 53 mm

Type: LED Interior lamp
Connection: Cable
Colour: White
Colour/glass: Transparent
Material: Shockproof plastic
Material/lens: PMMA
Shape: Round
Mount.: Built-in/Plan installation
Switch: w/
No./LEDs: 1
Approval: CE

171769 LED Reading lamp — Std pkg 1



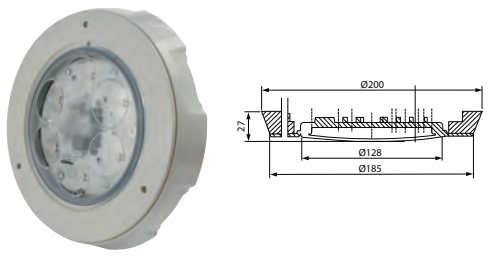
Voltage: 9-30
Watt: 1.8

Dim.: 150 mm
Cable length: 120 mm
Dist. mount. holes: 25 mm

Type: LED Interior lamp
Connection: Cable
Colour: Black
Colour/glass: Frosted
Material: ABS plastic/aluminium
Material/lens: Polycarbonate
Shape: w/ adjustable metal arm
Mount.: 2 screws
Switch: w/
No./LEDs: 1
Approval: CE

171773 LED Interior Lamp HD — Std pkg 1

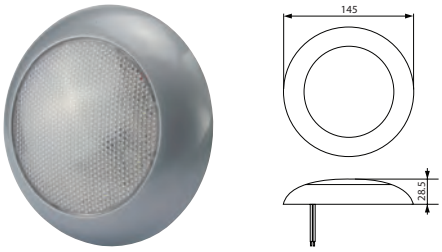
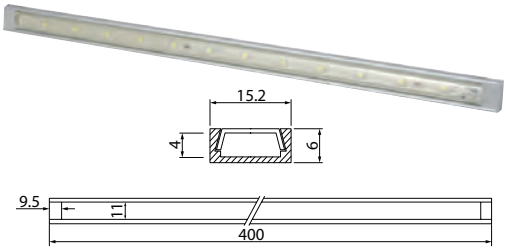
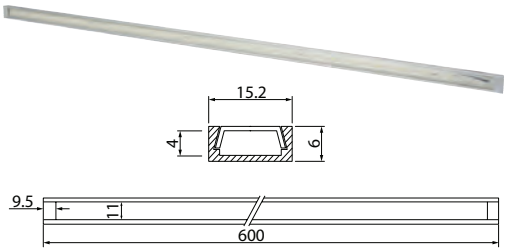
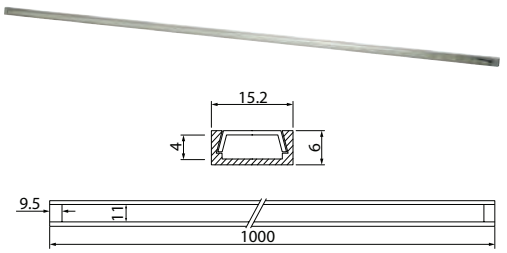
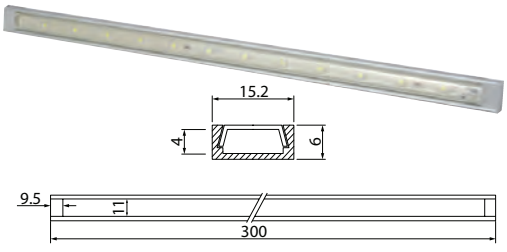
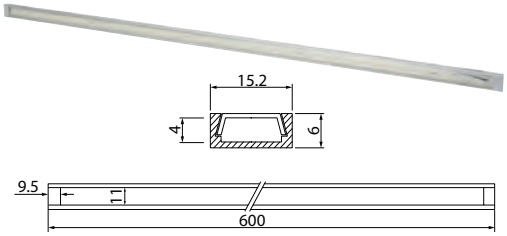
Servicing: Suiteable for use in refrigeration vehicles - Visit our web catalogue for further information



Voltage: 10-32
Watt: 8/9

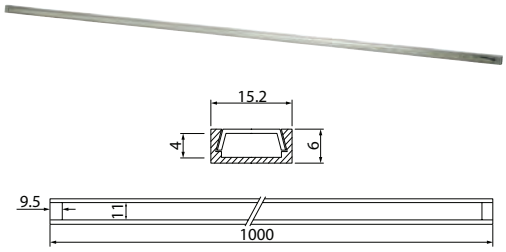
Dim.: 200x27 mm
Dist. mount. holes: 137 mm

Type: LED Interior lamp
Connection: Cable
Colour: White
Colour/glass: Transparent
Material: Cast aluminum
Material/lens: Polycarbonate
Shape: Round
Mount.: Built-in/Plan installation
No./LEDs: 6
Tightness norm: IP 67
Approval: EMC/ADR/GGVS

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
171776 LED Interior Lamp — Std pkg 1			
	**Voltage:** 12/24	**Dim.:** 145x28.5 mm **Cable length:** 220 mm **Dist. mount. holes:** 123 mm	**Type:** LED Interior lamp **Connection:** Cable **Colour:** Silver **Colour/glass:** Frosted **Material:** Shockproof plastic **Material/lens:** Shockproof plastic **Shape:** Round **Mount.:** Plan installation **No./LEDs:** 42 **Tightness norm:** IP 66 **Approval:** CE
171825 LED Interior Lamp — Std pkg 1			
	**Voltage:** 24 **Watt:** 2.2 **Kelvin:** 6500 **Lumen:** 80	**Dim.:** 300x15.2x6 mm **Cable length:** 400 mm	**Type:** LED Interior lamp **Connection:** Cable **Colour:** Grey **Colour/glass:** Transparent **Material:** Aluminium **Material/lens:** Polycarbonate **Shape:** Flat **Mount.:** Plan installation **Bracket:** Snap-on **Fixing screw:** w/ **No./LEDs:** 12 **Tightness norm:** IP 65 **Approval:** CE
171826 LED Interior Lamp — Std pkg 1			
	**Voltage:** 24 **Watt:** 4.3 **Kelvin:** 6500 **Lumen:** 160	**Dim.:** 600x15.2x6 mm **Cable length:** 400 mm	**Type:** LED Interior lamp **Connection:** Cable **Colour:** Grey **Colour/glass:** Transparent **Material:** Aluminium **Material/lens:** Polycarbonate **Shape:** Flat **Mount.:** Plan installation **Bracket:** Snap-on **Fixing screw:** w/ **No./LEDs:** 24 **Tightness norm:** IP 65 **Approval:** CE
171827 LED Interior Lamp 24V — Std pkg 1			
	**Voltage:** 24 **Watt:** 7.5 **Kelvin:** 6500 **Lumen:** 281	**Dim.:** 1000x15.2x6 mm **Cable length:** 400 mm	**Type:** LED Interior lamp **Connection:** Cable **Colour:** Grey **Colour/glass:** Transparent **Material:** Aluminium **Material/lens:** Polycarbonate **Shape:** Flat **Mount.:** Plan installation **Bracket:** Snap-on **Fixing screw:** w/ **No./LEDs:** 42 **Tightness norm:** IP 65 **Approval:** CE
171829 LED Interior Lamp — Std pkg 1			
	**Voltage:** 12 **Watt:** 2.2 **Kelvin:** 6500 **Lumen:** 80	**Dim.:** 300x15.2x6 mm **Cable length:** 400 mm	**Type:** LED Interior lamp **Connection:** Cable **Colour:** Grey **Colour/glass:** Transparent **Material:** Aluminium **Material/lens:** Polycarbonate **Shape:** Flat **Mount.:** Plan installation **Bracket:** Snap-on **Fixing screw:** w/ **No./LEDs:** 12 **Tightness norm:** IP 65 **Approval:** CE
171830 LED Interior Lamp — Std pkg 1			
	**Voltage:** 12 **Watt:** 4.3 **Kelvin:** 6500 **Lumen:** 160	**Dim.:** 600x15.2x6 mm **Cable length:** 400 mm	**Type:** LED Interior lamp **Connection:** Cable **Colour:** Grey **Colour/glass:** Transparent **Material:** Aluminium **Material/lens:** Polycarbonate **Shape:** Flat **Mount.:** Plan installation **Bracket:** Snap-on **Fixing screw:** w/ **No./LEDs:** 24 **Tightness norm:** IP 65 **Approval:** CE

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

171831 LED Interior Lamp — Std pkg 1

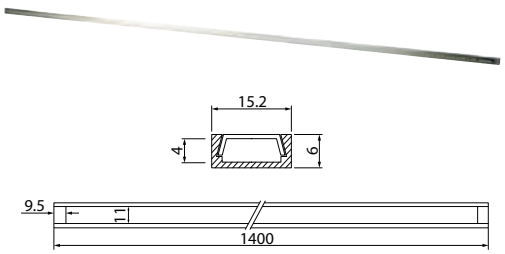


Voltage: 12
Watt: 7.5
Kelvin: 6500
Lumen: 281

Dim.: 1000x15.2x6 mm
Cable length: 400 mm

Type: LED Interior lamp
Connection: Cable
Colour: Grey
Colour/glass: Transparent
Material: Aluminium
Material/lens: Polycarbonate
Shape: Flat
Mount.: Plan installation
Bracket: Snap-on
Fixing screw: w/
No./LEDs: 42
Tightness norm: IP 65
Approval: CE

171832 LED Interior Lamp — Std pkg 1

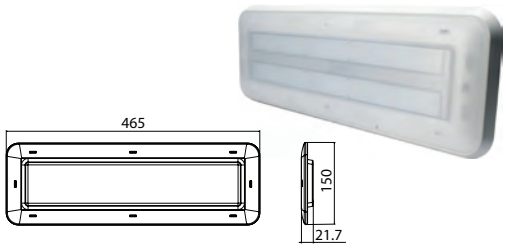


Voltage: 12
Watt: 10.8
Kelvin: 6500
Lumen: 394

Dim.: 1400x15.2x6 mm
Cable length: 400 mm

Type: LED Interior lamp
Connection: Cable
Colour: Grey
Colour/glass: Transparent
Material: Aluminium
Material/lens: Polycarbonate
Shape: Flat
Mount.: Plan installation
Bracket: Snap-on
Fixing screw: w/
No./LEDs: 60
Tightness norm: IP 65
Approval: CE

171863 LED Interior Lamp — Std pkg 1

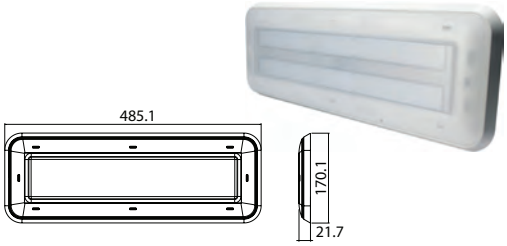


Voltage: 12/24
Watt: 22
Lumen: 1100

Dim.: 465x150x21.7 mm
Cable length: 420 mm

Type: LED Interior lamp
Connection: Cable
Colour: White
Colour/glass: Frosted
Material: Shockproof plastic
Material/lens: PMMA
Shape: Rectangular
Mount.: Built-in
No./LEDs: 12
Tightness norm: IP 67
Approval: CE

171864 LED Interior Lamp — Std pkg 1

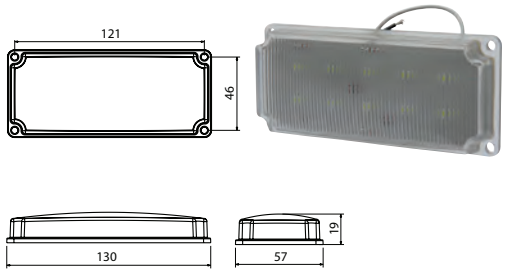


Voltage: 12/24
Watt: 22
Lumen: 1100

Dim.:
485.1x170.1x21.7 mm
Cable length: 420 mm

Type: LED Interior lamp
Connection: Cable
Colour: White
Colour/glass: Frosted
Material: Shockproof plastic
Material/lens: PMMA
Shape: Rectangular
Mount.: Plan installation
No./LEDs: 12
Tightness norm: IP 67
Approval: CE

171866 LED Interior Lamp — Std pkg 1

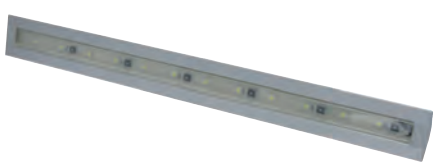


Voltage: 12/24
Lumen: 210

Dim.: 130x57x19 mm
Cable length: 150 mm
Dist. mount. holes:
46x121 mm

Type: LED Interior lamp
Connection: Cable
Colour: Transparent
Colour/glass: Frosted
Material: Shockproof plastic
Material/lens: PMMA
Shape: Rectangular
Mount.: Plan installation
Fixing screw: 4
No./LEDs: 10
Tightness norm: IP 67
Approval: CE

171874 LED Interior Lamp — Std pkg 1



Voltage: 10-33
Watt: 1.6-3.4
Lumen: 82

Dim.: 300x19x19 mm
Cable length: 400 mm

Type: LED Interior lamp
Connection: Cable
Colour: Grey
Colour/glass: Transparent
Material: Aluminium
Material/lens: Polycarbonate
Shape: Angled
Mount.: Plan installation
Bracket: Snap-on
No./LEDs: 12
Tightness norm: IP 65
Approval: CE

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

171875 LED Interior Lamp — Std pkg 1

Voltage: 10-30
Watt: 3.2-6.8
Lumen: 166

Dim.: 600x19x19 mm
Cable length: 400 mm

Type: LED Interior lamp
Connection: Cable
Colour: Grey
Colour/glass: Transparent
Material: Aluminium
Material/lens: Polycarbonate
Shape: Angled
Mount.: Plan installation
Bracket: Snap-on
No./LEDs: 24
Tightness norm: IP 65
Approval: CE

171876 LED Interior Lamp — Std pkg 1

Voltage: 10-30
Watt: 5.7-11.8
Lumen: 273

Dim.: 1000x19x19 mm
Cable length: 400 mm

Type: LED Interior lamp
Connection: Cable
Colour: Grey
Colour/glass: Transparent
Material: Aluminium
Material/lens: Polycarbonate
Shape: Angled
Mount.: Plan installation
Bracket: Snap-on
No./LEDs: 42
Tightness norm: IP 65
Approval: CE

171877 LED Interior Lamp — Std pkg 1

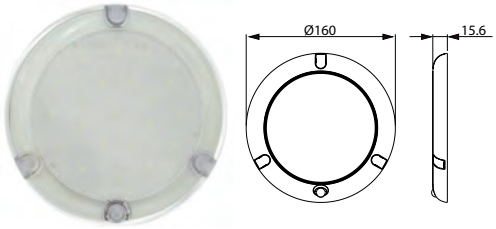
Voltage: 10-30
Watt: 8.1-16.8
Lumen: 383

Dim.: 1400x19x19 mm
Cable length: 400 mm

Type: LED Interior lamp
Connection: Cable
Colour: Grey
Colour/glass: Transparent
Material: Aluminium
Material/lens: Polycarbonate
Shape: Angled
Mount.: Plan installation
Bracket: Snap-on
No./LEDs: 60
Tightness norm: IP 65
Approval: CE

172246* LED Interior Lamp — Std pkg 1

Built-in motion sensor that turns on the light for 3 minutes before automatically switching off.

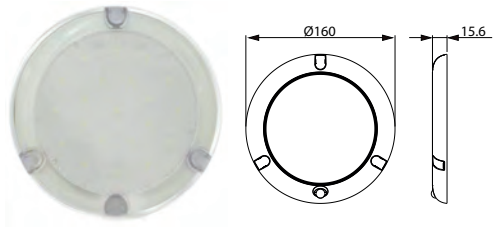


Voltage: 12/24
Lumen: 1400

OD: 160 mm
Cable length: 180 mm

Type: LED Interior lamp
Connection: Cable
Colour: White
Colour/glass: Frosted
Shape: Round
Mount.: Plan installation
No./LEDs: 21
Tightness norm: IP 67
Approval: ECE R10

172247* LED Interior Lamp — Std pkg 1



Voltage: 12/24
Lumen: 1400

OD: 160 mm
Cable length: 180 mm

Type: LED Interior lamp
Connection: Cable
Colour: White
Colour/glass: Frosted
Shape: Round
Mount.: Plan installation
No./LEDs: 21
Tightness norm: IP 67
Approval: ECE R10

ACCESSORIES

161924 Motion sensor — Std pkg 1

Detection range: 1-3 m. Timer: 15 to 150 sec. DC connector: HC-CARGO 2x161731.

Voltage: 5-12
Amp: 3
Watt: max. 36

Dim.: 48x37x28 mm

Colour: White
Tightness norm: IP 20

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

161926* Motion sensor — Std pkg 1

Detection range: 1 m to 4 m. Timer: 1 to 10 minutes.

Voltage: 12/24
Amp: 5

Dim.: 76x35x33 mm

Colour: Black

INTERIOR LAMPS FLOURESCENT

SPARE PARTS

170664 Neon tube — Std pkg 1 — **Servicing:** HC-CARGO 170035, 170036, 171392, 200181

Voltage: 12-24
Watt: 8

Length: 300 mm

E-approval: No

REFLECTORS

170142 Reflector — Std pkg 10

w/ 5 mm bolt.

RADEX s.r.l.

OD: 60 mm

Colour: Red
Material: Plastic
Shape: Round
Approval: I A approval
E-approval: Yes

170143 Reflector — Std pkg 10

w/ 5 mm bolt.

RADEX s.r.l.

OD: 83 mm

Colour: Red
Material: Plastic
Shape: Round
Approval: I A approval
E-approval: Yes

170144 Reflector — Std pkg 10

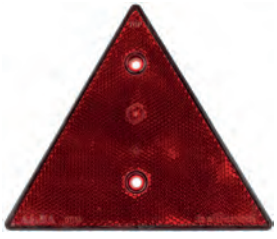
RADEX s.r.l.

Dim.: 160x160x160 mm
Dist. mount. holes: 85 mm

Colour: Red
Material: Plastic
Shape: Triangle
Mount.: 2 screws
Approval: III A approval
E-approval: Yes

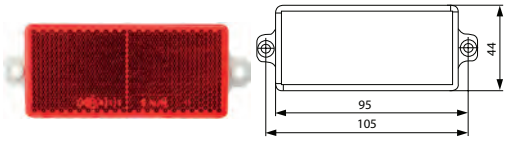
170163 Reflector — Std pkg 10

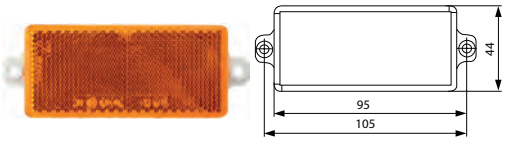
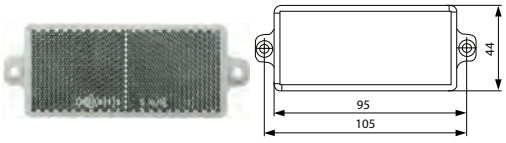
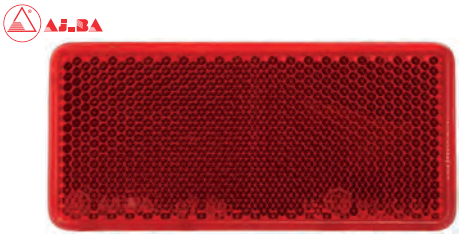
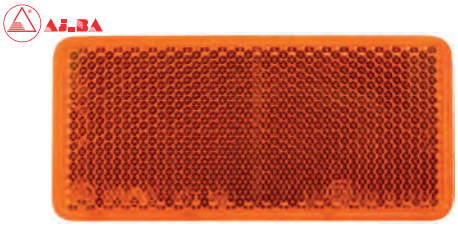
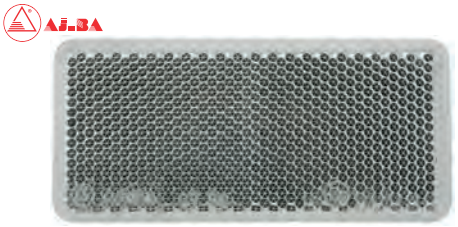
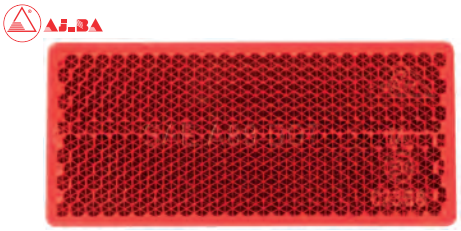
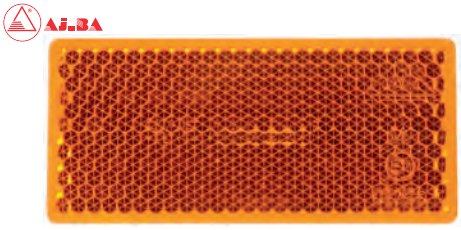
ALBA

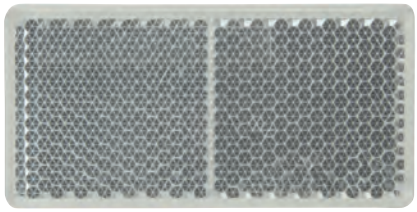
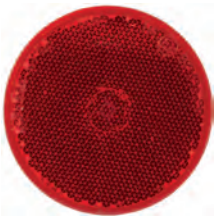
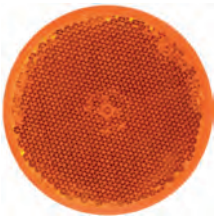
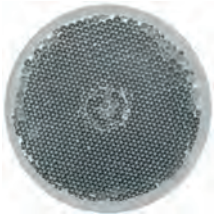
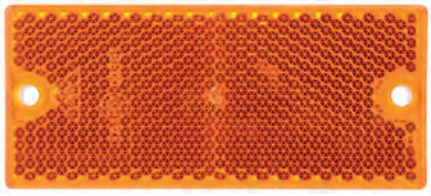


Dim.: 155x135 mm
Dist. mount. holes: 70 mm

Colour: Red
Material: Plastic
Shape: Triangle
Mount.: 2 holes
Approval: III A approval
E-approval: Yes

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
170165 Reflector Std pkg 10			
		OD: 60 mm **Hole size:** 4 mm	**Colour:** Red **Material:** Plastic **Shape:** Round **Approval:** I A approval **E-approval:** Yes
170169 Reflector Std pkg 10			
		OD: 60 mm **Hole size:** 4 mm	**Colour:** Orange **Material:** Plastic **Shape:** Round **Approval:** I A approval **E-approval:** Yes
170170 Reflector Std pkg 10			
		OD: 60 mm **Hole size:** 4 mm	**Colour:** White **Material:** Plastic **Shape:** Round **Approval:** I A approval **E-approval:** Yes
170208 Reflector Std pkg 10			
		Dim.: 50x200 mm	**Colour:** Red **Shape:** Rectangular **Mount.:** Self adhesive **Approval:** JRU **E-approval:** No
170212 Reflector Std pkg 10			
		Dim.: 50x200 mm	**Colour:** White **Shape:** Rectangular **Mount.:** Self adhesive **E-approval:** No
170213 Reflector Std pkg 10			
		Dim.: 50x200 mm	**Colour:** Yellow **Shape:** Rectangular **Mount.:** Self adhesive **Approval:** JRU **E-approval:** No
170623 Reflector Std pkg 10			
		**Dim.:** 95x44 mm **Dist. mount. holes:** 105 mm	**Colour:** Red **Material:** Plastic **Shape:** Rectangular **Mount.:** 2 holes **Approval:** I A approval **E-approval:** Yes

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
170624 Reflector Std pkg 10			
		**Dim.:** 95x44 mm **Dist. mount. holes:** 105 mm	**Colour:** Orange **Material:** Plastic **Shape:** Rectangular **Mount.:** 2 holes **Approval:** I A approval **E-approval:** Yes
170625 Reflector Std pkg 10			
		**Dim.:** 95x44 mm **Dist. mount. holes:** 105 mm	**Colour:** White **Material:** Plastic **Shape:** Rectangular **Mount.:** 2 holes **Approval:** I A approval **E-approval:** Yes
170626 Reflector Std pkg 10			
		**Dim.:** 95x44 mm	**Colour:** Red **Material:** Plastic **Shape:** Rectangular **Mount.:** Self adhesive **Approval:** I A approval **E-approval:** Yes
170627 Reflector Std pkg 10			
		**Dim.:** 95x44 mm	**Colour:** Orange **Material:** Plastic **Shape:** Rectangular **Mount.:** Self adhesive **Approval:** I A approval **E-approval:** Yes
170628 Reflector Std pkg 10			
		**Dim.:** 95x44 mm	**Colour:** White **Material:** Plastic **Shape:** Rectangular **Mount.:** Self adhesive **Approval:** I A approval **E-approval:** Yes
170629 Reflector Std pkg 10			
		**Dim.:** 71x35 mm	**Colour:** Red **Material:** Plastic **Shape:** Rectangular **Mount.:** Self adhesive **Approval:** I A approval **E-approval:** Yes
170630 Reflector Std pkg 10			
		**Dim.:** 71x35 mm	**Colour:** Orange **Material:** Plastic **Shape:** Rectangular **Mount.:** Self adhesive **Approval:** I A approval **E-approval:** Yes

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
170631 Reflector Std pkg 10			
		**Dim.:** 71x35 mm	**Colour:** White **Material:** Plastic **Shape:** Rectangular **Mount.:** Self adhesive **Approval:** I A approval **E-approval:** Yes
170675 Reflector Std pkg 10			
		**OD:** 60 mm	**Colour:** Red **Material:** Plastic **Shape:** Round **Mount.:** Self adhesive **Approval:** I A approval **E-approval:** Yes
170676 Reflector Std pkg 10			
		**OD:** 60 mm	**Colour:** Orange **Material:** Plastic **Shape:** Round **Mount.:** Self adhesive **Approval:** I A approval **E-approval:** Yes
170677 Reflector Std pkg 10			
		**OD:** 60 mm	**Colour:** White **Material:** Plastic **Shape:** Round **Mount.:** Self adhesive **Approval:** I A approval **E-approval:** Yes
170729 Reflector Red Std pkg 10			
		OD: 83 mm **Hole size:** 4 mm	**Colour:** Red **Material:** Plastic **Shape:** Round **Mount.:** 1 hole **Approval:** I A approval **E-approval:** Yes
171230 Reflector Std pkg 10	**Servicing:** Mercedes-Benz - Visit our web catalogue for further information		
		**Dim.:** 94x44 mm **Dist. mount. holes:** 70 mm	**Colour:** Orange **Material:** Plastic **Shape:** Rectangular **Mount.:** 2 holes **Approval:** I A approval **E-approval:** Yes

ACCESSORIES

171536 Bracket Std pkg 1			
		ID: 60 mm	**No./mounting holes:** 1 (0)

MISCELLANEOUS REAR MARKING

SPEED LIMIT

171899 Max Speedsign 40 km Std pkg 1

Self-adhesive. Class 2.

OD: 200 mm

Material: Film
Shape: Round

171900 Max Speedsign 60 km Std pkg 1

Self-adhesive. Class 2.

OD: 200 mm

Material: Film
Shape: Round

171901 Max Speedsign 70 km Std pkg 1

Self-adhesive. Class 2.

OD: 200 mm

Material: Film
Shape: Round

171902 Max Speedsign 80 km Std pkg 1

Self-adhesive. Class 2.

OD: 200 mm

Material: Film
Shape: Round

171903 Max Speedsign 100 km Std pkg 1

Self-adhesive. Class 2.

OD: 200 mm

Material: Film
Shape: Round

REAR MARKING TRAILERS

170397 Reflector Board Std pkg 1

Yellow: high intensitive reflex. Class - A. Red: fluorescent.

Dim.: 1132x200 mm

Colour: Red/yellow
Material: Aluminium
Shape: Rectangular
Approval: ECE70
E-approval: Yes

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

170398 Reflector Board Set Std pkg 1

Yellow: high intensitive reflex. Class - A. Red: fluorescent. 2 pcs.

Dim.: 566x200 mm

Colour: Red/yellow
Material: Aluminium
Shape: Rectangular
Approval: ECE70
E-approval: Yes

170403 Reflector Foil Set Std pkg 1

Yellow: high intensitive reflex. Class - A. Red: fluorescent. 2 pcs.

Dim.: 566x200 mm

Colour: Red/yellow
Shape: Rectangular
Mount.: Self adhesive
Approval: ECE70
E-approval: Yes

171554 Reflector Tape 50 m Std pkg 1

Safety marking for heavy vehicles and trailers. Mounting on rigid surface.

Width: 50 mm

Colour: Yellow
Mount.: Self adhesive
Approval: ECE104
E-approval: Yes

171555 Reflector Tape 50 m Std pkg 1

Safety marking for heavy vehicles and trailers. Mounting on rigid surface.

Width: 50 mm

Colour: White
Mount.: Self adhesive
Approval: ECE104
E-approval: Yes

171556 Reflector Tape 50 m Std pkg 1

Safety marking for heavy vehicles and trailers. Mounting on rigid surface.

Width: 50 mm

Colour: Red
Mount.: Self adhesive
Approval: ECE104
E-approval: Yes

171570 Reflector Board Set Std pkg 1

Yellow: high intensitive reflex. Class 3. Red: fluorescent. 2 pcs.

Dim.: 566x197x0.8 mm

Colour: Red/yellow
Material: Aluminium
Shape: Rectangular
Approval: ECE70-01
E-approval: Yes

171572 Reflector Foil Set Std pkg 1

Yellow: high intensitive reflex. Class 3. Red: fluorescent. 2 pcs.

Dim.: 566x197 mm

Colour: Red/yellow
Shape: Rectangular
Mount.: Self adhesive
Approval: ECE70-01
E-approval: Yes

REAR MARKING TRUCKS

170394 Reflector Board — Std pkg 1

Yellow: high intensitive reflex. Class II. Red: fluorescent. 1 pcs.

Dim.: 1132x140x1.2 mm

Colour: Red/yellow
Material: Aluminium
Shape: Rectangular
Approval: ECE70
E-approval: Yes

170395 Reflector Board Set — Std pkg 1

Yellow: high intensitive reflex. Class II. Red: fluorescent. 2 pcs.

Dim.: 565x132x0.8 mm

Colour: Red/yellow
Material: Aluminium
Shape: Rectangular
Approval: ECE70
E-approval: Yes

170396 Reflector Board Set — Std pkg 1

Yellow: high intensitive reflex. Class II. Red: fluorescent. 4 pcs.

Dim.: 283x140x0.8 mm

Colour: Red/yellow
Material: Aluminium
Shape: Rectangular
Approval: ECE70
E-approval: Yes

170401 Reflector Foil Set — Std pkg 1

Yellow: high intensitive reflex. Class II. Red: fluorescent. 2 pcs.

Dim.: 566x140 mm

Colour: Red/yellow
Shape: Rectangular
Mount.: Self adhesive
Approval: ECE70
E-approval: Yes

170402 Reflector Foil Set — Std pkg 1

Yellow: high intensitive reflex. Class II. Red: fluorescent. 4 pcs.

Dim.: 283x140 mm

Colour: Red/yellow
Shape: Rectangular
Mount.: Self adhesive
Approval: ECE70
E-approval: Yes

171568 Reflector Board Set — Std pkg 1

Yellow: high intensitive reflex. Class 3. Red: fluorescent. 2 pcs.

Dim.: 565x132x0.8 mm

Colour: Red/yellow
Material: Aluminium
Shape: Rectangular
Approval: ECE70-01
E-approval: Yes

171571 Reflector Foil Set — Std pkg 1

Yellow: high intensitive reflex. Class 3. Red: fluorescent. 2 pcs.

Dim.: 566x132 mm

Colour: Red/yellow
Shape: Rectangular
Mount.: Self adhesive
Approval: ECE70-01
E-approval: Yes

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
171882 Warning Liftflag w/ alu Kit Std pkg 1			
w/ alu support. Kit. Class 1. Warning Liftflag: HC-CARGO 171880, 171881.			
		Dim.: 410x250 mm	**Colour:** Red/white **Material:** Canvas+film **Shape:** Rectangular
171891 Wide Load Marking Std pkg 1			
For Agriculture. Class 1. DIN 11030.			
		Dim.: 423x423x0.8 mm	**Colour:** Red/white **Material:** Zinc+film **Shape:** Square
171892 Wide Load Marking Kit Std pkg 1			
For Agriculture. Kit. Class 1. DIN 11030.			
		Dim.: 564x282x0.8 mm	**Colour:** Red/white **Material:** Zinc+film **Shape:** Rectangular

CONTAINER MARKING

171895 Skipmarking Std pkg 1			
Self-adhesive. Left. Class 2.			
		Dim.: 100x400 mm	**Colour:** Red/white **Material:** Film **Shape:** Rectangular
171896 Skipmarking Std pkg 1			
Self-adhesive. Right. Class 2.			
		Dim.: 100x400 mm	**Colour:** Red/white **Material:** Film **Shape:** Rectangular
171897 Skipmarking Std pkg 1			
Self-adhesive kit. Class 2.			
		Dim.: 200x400 mm	**Colour:** Red/white **Material:** Film **Shape:** Rectangular

WARNING TRIANGLES

170171 Warning Triangle — Std pkg 1

Break down warning triangle. Supplied in plastic carrying box.

Dim.: 440x440x440 mm

Shape: Triangle
E-approval: Yes

TRIANGLES

170390 Reflector Triangle — Std pkg 5

Red: high intensitive foil. Class A. Red: fluorenscent foil. w/o bracket. Mounting Bracket: HC-CARGO 170391, 170392, 170797. Mounting Bracket Kit: HC-CARGO 170393.

Dim.: 350-365 mm
Dist. mount. holes: 153 mm

Colour: Red
Material: Aluminium
Shape: Triangle
E-approval: Yes

170407 Reflector Foil — Std pkg 5

Red: high intensitive reflex. Class A. Red: fluorescent.

Dim.: 409x358x308 mm

Colour: Red
Shape: Triangle
Mount.: Self adhesive
E-approval: Yes

170759 Reflector Triangle — Std pkg 5

Red: high intensitive foil. Class A. Red: fluorenscent foil. w/o bracket. Mounting Bracket: HC-CARGO 170391, 170392, 170797. Mounting Bracket Kit: HC-CARGO 170393.

Dim.: 428x375x310 mm
Dist. mount. holes: 153 mm
Hole size: 6 mm

Colour: Red
Material: Shock thermo plastic
Shape: Triangle
E-approval: Yes

ACCESSORIES

170391 Mounting Bracket — Std pkg 1 — **Servicing:** HC-CARGO 170390, 170759, 170393

Male.

170392 Mounting Bracket — Std pkg 1 — **Servicing:** HC-CARGO 170390, 170759, 170393

Female.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

170393 Mounting Bracket Kit — Std pkg 1 — **Servicing:** HC-CARGO 170390, 170759

w/ male and female brackets, bolts and nuts. Contains: 2 pcs: HC-CARGO 170780. 2 pcs: HC-CARGO 190590. 2 pcs: HC-CARGO 190477. 1 pcs: HC-CARGO 170391. 1 pcs: HC-CARGO 170392.

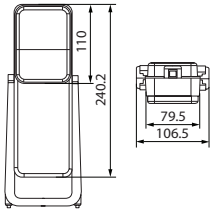
170797 Mounting Bracket — Std pkg 1 — **Servicing:** HC-CARGO 170390, 170759

Angled.

HAZARD WARNING LIGHTS

170683 Hazard Warning Lamp — Std pkg 1 — **Servicing:** Approved for vehicles carrying dangerous goods - Visit our web catalogue for further information

Battery: HC-CARGO 200741, 200768.



Dim.: 240.2x106.5 mm

Battery type: D
No./batteries: 5
Hazard flasher: Yes
Approval: GGVS/ADR
E-approval: Yes

PEN/TORCH LIGHTS

TORCH LIGHT LED/UV

171805 UV LED Torch light — Std pkg 1

Battery: HC-CARGO 200738.

ELWIS

Dim.: 126 mm

Bulb type: UV LED
Battery type: AAA
Material: Aluminium
No./batteries: 3
Waterproof: Yes
Approval: CE

253489 UV Inspection Lamp — Std pkg 1

3 pcs. Batteries and mirror included. Batteries: HC-CARGO 200858.

Bulb incl.: Yes

Type: LED
Colour: Blue
Model: UV

253837 LED Penlight UV — Std pkg 1

Batteries included.

OSRAM

Bulb incl.: Yes
Watt: 0.5
Kelvin: 6000

Type: LED
Bulb type: LED
Socket type: 2P
Colour: Blue/Transparent
Model: UV
Magnet base: w/

PEN-/TORCH LIGHTS LED

171704 LED Penlight — Std pkg 1

Button w/ easy touch for either signal or constant light. Optical lense intensive the light. At least 8 hours of burn time. Battery: HC-CARGO 200738.

Dim.: 14.5x109 mm

Bulb type: LED
Battery type: AAA
Material: Aluminium
No./batteries: 2
Drop proof: Yes
Waterproof: Yes
Approval: CE

172194 LED Head Lamp — Std pkg 1

ELWIS

Lumen: 420

Dim.: 33x45 mm

Bulb type: LED
Battery type: Lithium
Material: Aluminium
No./batteries: 1
Carrying strap: No
Retractable tripod: No
Rechargeable: Yes
Tightness norm: IP 65

172286* LED Penlight - 1 pcs — Std pkg 1

Battery: HC-CARGO 200738.

Lumen: 180

Dim.: 176x32x26 mm

Bulb type: LED
Battery type: AAA
Material: ABS plastic
No./batteries: 3
Magnet holder: w/
Clips: Yes

HAND LAMPS CONVENTIONAL

200635 Handlamp (EU version) — Std pkg 1

Four times as powerful as regular hand-lamps. Operating at temperatures below zero degrees. All parts can be replaced. Resistant to oil, gasoline and chemicals. Fluorescent: HC-CARGO 171573. Electronics Part: HC-CARGO 200659.

ELWIS

Voltage: 230
Watt: 11
Lumen: 900

Length: 455 mm
Cable length: 5 mm
Weight: 775 g

Plug: w/
Hi impact: Yes
Tightness norm: IP 64
Approval: CE

SPARE PARTS/ACCESSORIES

200659 Electronic Part — Std pkg 1 — **Servicing:** HC-CARGO 200728, 200635

ELWIS

Watt: 230

Tightness norm: IP 65
Approval: CE

200684 Lamp Holder — Std pkg 1

For hand lamps.

ELWIS

Tightness norm: IP 67

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

HAND LAMPS LED

172189 LED Hand Lamp — Std pkg 1

Watt: 3
Lumen: 300

Dim.: 55x45x215 mm

Bulb type: LED
Battery type: Li-ion
Magnet holder: w/
Lamp head: Yes
Wall charger 230 V: Yes
Charger 12 V: Yes
Rechargeable: Yes
Approval: CE

172190 LED Hand Lamp UK — Std pkg 1

Watt: 3
Lumen: 300

Dim.: 55x45x215 mm

Bulb type: LED
Battery type: Li-ion
Magnet holder: w/
Lamp head: Yes
Wall charger 230 V: Yes
Charger 12 V: Yes
Rechargeable: Yes
Approval: CE

172234 LED Hand Lamp — Std pkg 1

USB Adapter 230 V: HC-CARGO 181743.

Watt: 3
Lumen: 500

Dim.: 230x60x40 mm

Bulb type: LED
Battery type: Lithium
Magnet holder: w/
Lamp head: Yes
Wall charger 230 V: No
Rechargeable: Yes
Tightness norm: IP 65
Approval: CE
Alternativ no.: 172238

172238 LED Hand Lamp Display — Std pkg 1

USB Adapter 230 V: HC-CARGO 181743.

Watt: 3
Lumen: 500

Dim.: 230x60x40 mm

Bulb type: LED
Battery type: Lithium
Magnet holder: w/
Lamp head: Yes
Wall charger 230 V: No
Rechargeable: Yes
Tightness norm: IP 65
Approval: CE
Alternativ no.: 172234

SPARE PARTS

181743 USB Adapter — Std pkg 1 — **Servicing:** HC-CARGO 172187

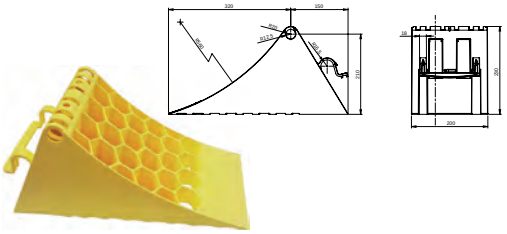
Voltage: 5
Amp: 0.5

Approval: CE

WHEEL CHOCKS

172300* Wheel Chock — Std pkg 1

Wheel Chock holder: HC-CARGO 172301.

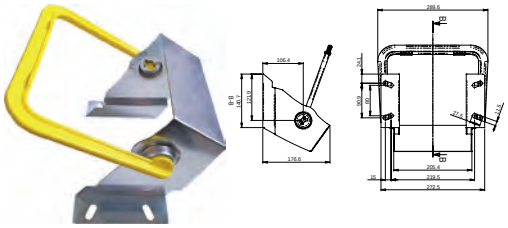


Dim.: 470x230x200 mm

Colour: Yellow
Material: Shockproof plastic
Approval: DIN 76051/E53

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

172301* Wheel Chock holder — Std pkg 1 — **Servicing:** HC-CARGO 172300



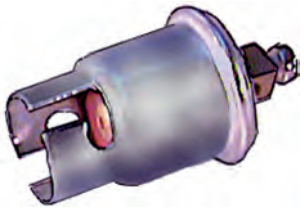
Material: Steel

BULB HOLDERS

170135 Bulb Holder — Std pkg 10

Socket type: BAY15d
Connection: Screw M5

170136 Bulb Holder — Std pkg 10



Socket type: BA9s
Connection: Screw M5

170137 Bulb Holder — Std pkg 10

Socket type: BA7s
Connection: Screw M5

170138 Bulb Holder — Std pkg 10

Socket type: BA15S
Connection: Screw M5

170139 Bulb Holder — Std pkg 5

33-36 mm. Festoon type.

Socket type: S8.5
Connection: Screw M5

170433 Bulb Holder — Std pkg 1 — **Servicing:** H4 - Visit our web catalogue for further information

Also for bulbs that fit socket P45t. Used w/ sealed beams.

Socket type: P43t
Connection: Terminal

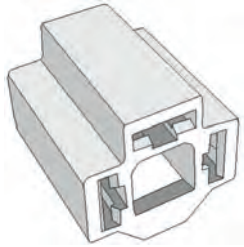
	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

170596 Bulb Holder Std pkg 10

Socket type: BA15d
Connection: Screw M5

170619 Bulb Holder Std pkg 10 **Servicing:** H4, HC-CARGO 171281

Also for bulbs that fit socket P43t. Used w/ sealed beams. Terminal: HC-CARGO 191200.



Socket type: P45t
Connection: Plug

170763 Bulb Holder Std pkg 10 **Servicing:** VW Golf, Vento, Polo, Passat, Seat Ibiza, Toledo - Visit our web catalogue for further information

Socket type: T10
Connection: Multiplug

170790 Bulb Holder Std pkg 10

2x terminal connection.

Socket type: BA9s
Connection: Terminal

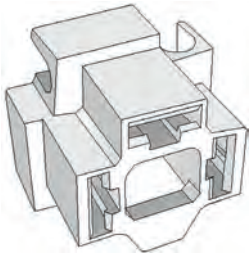
170791 Bulb Holder Std pkg 10

2x screw connection.

Socket type: BA15S
Connection: Screw M5

170799 Bulb Holder Std pkg 10 **Servicing:** HC-CARGO 171282

Also for bulbs that fit socket P45t. Used w/ sealed beams. Angled type. Terminal: HC-CARGO 191938.

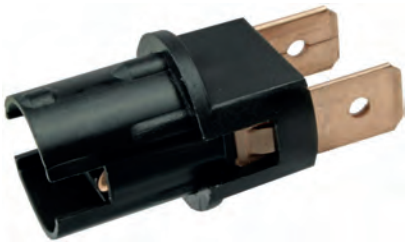


Socket type: P43t
Connection: Plug

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

170827 Bulb Holder Std pkg 10

2x terminal connection.



Socket type: T10
Connection: Terminal

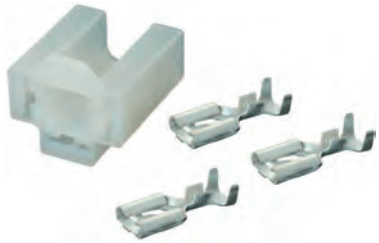
170964 Bulb Holder Std pkg 10 **Servicing:** H4 - Visit our web catalogue for further information

Also for bulbs that fit socket P45. Used w/ sealed beams. w/ snap-lock action for cable connection.

Socket type: P43t+P45t
Connection: Cable

171281 Bulb Holder Set Std pkg 1 **Servicing:** H4 - Visit our web catalogue for further information

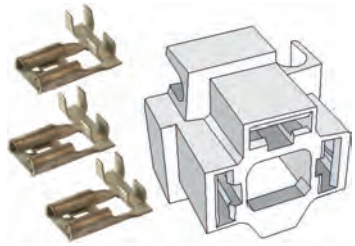
Contains: 1x HC-CARGO 170619. 3x HC-CARGO 191200.



Socket type: P43t
Connection: Plug

171282 Bulb Holder Set Std pkg 1 **Servicing:** H4 - Visit our web catalogue for further information

Contains: 1x HC-CARGO 170799. 3x HC-CARGO 191938.



Socket type: P43t
Connection: Plug

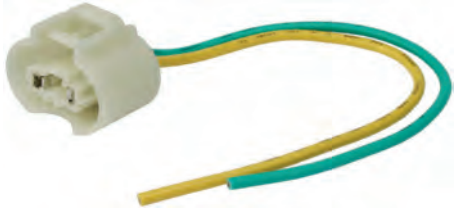
171426 Bulb Holder Std pkg 1

w/ wire.

Socket type: HB3, H10, H12
Connection: Cable

171427 Bulb Holder Std pkg 1

w/ wire.



Socket type: HB4, HIR2, PX22d
Connection: Cable

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

171453 Bulb Holder — Std pkg 10 — **Servicing:** H7 - Visit our web catalogue for further information

Socket type: PX26d
Connection: Cable

171783 Bulb Holder — Std pkg 1

Socket type: HB1, HB5
Connection: Cable

171784 Bulb Holder — Std pkg 1

Socket type: H8, H9, H11
Connection: Cable

171924 Bulb Holder — Std pkg 1 — **Servicing:** H1/H3 - Visit our web catalogue for further information

2 way.

Socket type: P14.5s, PK22s, PKY22s
Connection: Cable

171925 Bulb Holder — Std pkg 1 — **Servicing:** H1/H3 - Visit our web catalogue for further information

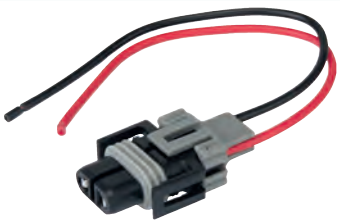
1 way.

Socket type: P14.5s, PK22s, PKY22s
Connection: Cable

171954 Bulb Holder — Std pkg 1 — **Servicing:** H4 - Visit our web catalogue for further information

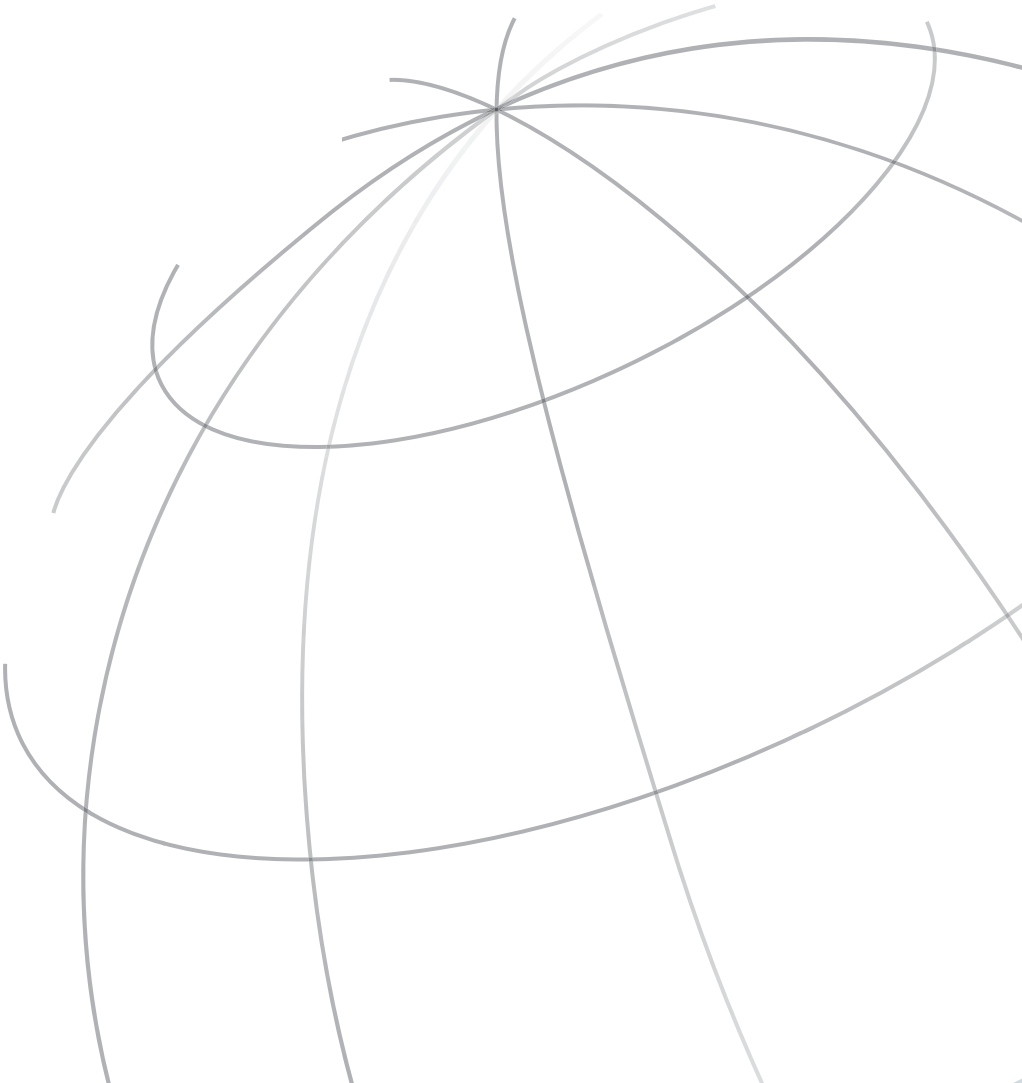
Socket type: P43t
Connection: Cable

172072 Bulb Holder — Std pkg 1 — **Servicing:** HC-CARGO 171010, 170951, 171953, 170726



Socket type: PGJ13
Connection: Cable

Multi Function Lamps

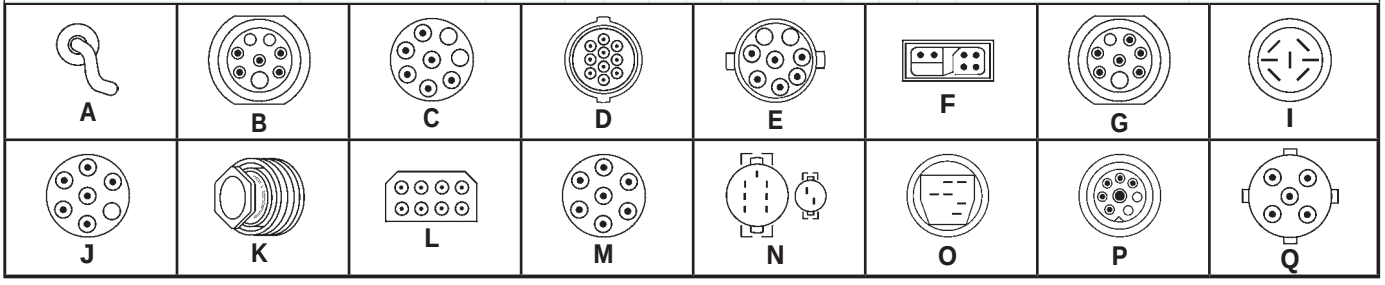


Edition 2021/2023

ISO 9001
BUREAU VERITAS
Certification

ISO 14001
BUREAU VERITAS
Certification

HC-CARGO	Dimension	Servicing	Right / Left	Flasher light	Number Plates light	Rear fog lamp	Reflector	Reverse light	Side marker lamp	Stop light	Tail light	Connection	E- Approval	Replacing	Lens
171308	525 x 139 x 83	Mercedes Actros	RH	✓	✓	✓	✓	✓	✓	✓	✓	M	✓	42940000, 42939000, 0015406370	HC-CARGO 171312
171311	525 x 139 x 83	Mercedes Actros	LH	✓	✓	✓	✓	✓	✓	✓	✓	M	✓	42942000, 42941000, 0015406270	HC-CARGO 171521
171447	525 x 139 x 83	Mercedes Actros, SK	LH	✓	✓	✓	✓	✓	✓	✓	✓	G	✓	2VD007500-091	HC-CARGO 171521
171448	525 x 139 x 83	Mercedes Actros, SK	RH	✓	✓	✓	✓	✓	✓	✓	✓	B	✓		HC-CARGO 171312
171802	517 x 129.5 x 80.2	Scania	RH	✓	✓	✓	✓	✓	✓	✓	✓		✓		HC-CARGO 171322
171803	517 x 129.5 x 80.2	Scania	LH	✓	✓	✓	✓	✓	✓	✓	✓		✓		HC-CARGO 171322
170916	465 x 130 x 83	Scania, Universal.	LH	✓	✓	✓	✓	✓	✓	✓	✓	A		2VD007323-031, 21.197-021, 21.197-001, 170914, 168350, 168340, 1365963	HC-CARGO 170968
170917	465 x 130 x 83	Scania, Universal	RH	✓	✓	✓	✓	✓	✓	✓	✓	A	✓	2VP007323-021, 2VD007323-041, 21. 197-031, 21.197-011, 170915, 168360, 168270, 167600, 1365965, 1365964	HC-CARGO 170968
170922	465 x 130 x 83	MAN, Universal	LH	✓	✓	✓	✓		✓	✓	✓	C	✓	2VD007323-131, 21.197-121, 168100	HC-CARGO 170968
170923	465 x 130 x 83	MAN, Universal	RH	✓	✓	✓	✓	✓	✓	✓	✓	C	✓	2VP007323-121, 2VD007323-141, 21.197-131, 21.197-111, 170921, 167700	HC-CARGO 170968
170998	465 x 130 x 83	Iveco	RH/LH	✓		✓	✓		✓	✓	✓	D	✓	99463242, 44847000, 171298	HC-CARGO 171000
170999	465 x 130 x 83	Iveco	RH/LH	✓	✓	✓	✓		✓	✓	✓	D	✓	99463244, 44848000	HC-CARGO 171000
171299	465 x 130 x 90	Mercedes Atego	RH	✓	✓	✓	✓		✓	✓	✓	P	✓	42931000, 42632000, 0035445503, 0035445203	HC-CARGO 171307
171302	465 x 130 x 90	Mercedes Atego	LH	✓	✓	✓	✓		✓	✓	✓	P	✓	42934000, 0035445603, 0035445303	HC-CARGO 171307
171303	465 x 130 x 90	Mercedes Sprinter	RH	✓	✓	✓	✓		✓	✓	✓	K	✓	42935000, 42936000, 0035445403	HC-CARGO 171307
171306	465 x 130 x 90	Mercedes Sprinter	LH	✓	✓	✓	✓		✓	✓	✓	K	✓	42938000, 42937000, 0025445503	HC-CARGO 171307
171441	421 x 147 x 75	Commercial Trailers	LH	✓	✓		✓			✓	✓	K	✓		HC-CARGO 171446
171442	421 x 147 x 75	Commercial Trailers	RH	✓	✓	✓	✓		✓	✓	✓	K	✓		HC-CARGO 171446
171443	421 x 147 x 75	Schwarzmüller	LH	✓	✓	✓	✓		✓	✓	✓	I			HC-CARGO 171446
171444	421 x 147 x 75	Schwarzmüller	RH	✓	✓	✓	✓		✓	✓	✓	I			HC-CARGO 171446
170990	418 x 148 x 90	Commercial Trailers	RH	✓	✓	✓	✓		✓	✓	✓	A	✓		HC-CARGO 170994
170991	418 x 148 x 90	Commercial Trailers	LH	✓	✓	✓	✓		✓	✓	✓	A	✓		HC-CARGO 170995
170602	406 x 135 x 74	RVI Renault, Pegaso	LH	✓	✓	✓	✓	✓		✓	✓	A	✓	141500	HC-CARGO 170665
170603	406 x 135 x 74	RVI Renault, Pegaso	RH	✓		✓	✓	✓		✓	✓	A	✓		HC-CARGO 170665
171506	350 x 130 x 85	DAF,Nissan, Renault	RH/LH	✓	✓	✓	✓	✓		✓	✓	J			HC-CARGO 171507
171508	350 x 130 x 85	Commercial Trailers	RH/LH	✓	✓	✓		✓		✓	✓	K			HC-CARGO 171509
170893	335 x 96 x 83		RH	✓						✓	✓	A		2SD001688-141, 21.002-031, 21.002-031, 21.002-021, 21.002-021, 170892	HC-CARGO 171062
170895	335 x 96 x 83		LH	✓						✓	✓	A		2SD001688-171, 21.002-071, 21.002-071	HC-CARGO 171062

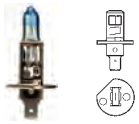


Bulbs

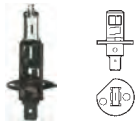
Edition 2021/2023

H1 HALOGEN

HC-CARGO	Std. pkg.	Voltage	Watt	Length	OD	Colour	Type	Comment
170069	Pkg. 1	12	55	62.5 mm	8.5 mm		Single filament	
171070	Pkg. 1	12	55	62.5 mm	8.5 mm		Single filament	*Gives up to 30% more light.*
171071	Pkg. 1	12	55	62.5 mm	8.5 mm	Xenon blue	Single filament	
171136	Pkg. 1	12	55	62.5 mm	8.5 mm		Single filament	*Gives up to 50% more light.*
171068	Pkg. 1	12	100	62.5 mm	8.5 mm		Single filament	*Not E-approved.*
171404	Pkg. 1	12	130	59.8 mm	9.7 mm		Single filament	*Not E-approved.*
171072	Pkg. 1	24	70	62.5 mm	8.5 mm		Single filament Heavy duty	


P14.5s

HC-CARGO	Std. pkg.	Voltage	Watt	Length	OD	Colour	Type	Comment
170332	Pkg. 1	12	55	62.5 mm	8.5 mm		Single filament	
170965	Pkg. 1	12	55	62.5 mm	8.5 mm		Single filament Megalight	*Gives up to 30% more light.*
170493	Pkg. 1	12	100	62.5 mm	8.5 mm		Single filament	*Not E-approved.*
170494	Pkg. 1	24	100	62.5 mm	8.5 mm		Single filament Heavy duty	*Not E-approved.*
170449	Pkg. 1	24	70	62.5 mm	8.5 mm		Single filament Heavy duty	

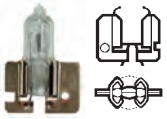

P14.5s

HC-CARGO	Std. pkg.	Voltage	Watt	Length	OD	Colour	Type	Comment
172264*	Pkg. 1	12	55	58.9 mm	9 mm		Nightbreaker	*Up to 150% more light. Up to 150 m longer beam. Up to 20% whiter light.*

P14.5s

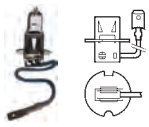
H2 HALOGEN

HC-CARGO	Std. pkg.	Voltage	Watt	Length	OD	Colour	Type	Comment
171073	Pkg. 1	12	55	30 mm	9 mm		Single filament	*Not E-approved.*
170512	Pkg. 1	24	100	30 mm	9 mm		Single filament Heavy duty	*Not E-approved.*

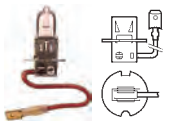

X511

H3 HALOGEN

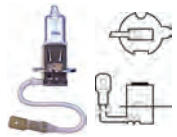
HC-CARGO	Std. pkg.	Voltage	Watt	Length	OD	Colour	Type	Comment
171469	Pkg. 1	6	55	42 mm	11.5 mm		Single filament	*Not E-approved.*
170070	Pkg. 1	12	55	42 mm	11.5 mm		Single filament	
171405	Pkg. 1	12	130	39 mm	11.5 mm		Single filament	*Not E-approved.*
170836	Pkg. 1	24	70	42 mm	11.5 mm		Single filament Heavy duty	
171407	Pkg. 1	48	45	42 mm	11.5 mm		Single filament	*Not E-approved.*
171378	Pkg. 1	80	55	42 mm	11.5 mm			*Not E-approved.*


PK22s

HC-CARGO	Std. pkg.	Voltage	Watt	Length	OD	Colour	Type	Comment
170696	Pkg. 1	12	35	42 mm	11.5 mm		Single filament	*Not E-approved.*
170333	Pkg. 1	12	55	42 mm	11.5 mm		Single filament	
170412	Pkg. 1	24	70	42 mm	11.5 mm		Single filament Heavy duty	
170362	Pkg. 1	24	100	42 mm	11.5 mm		Single filament Heavy duty	*Not E-approved.*


PK22s

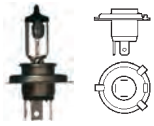
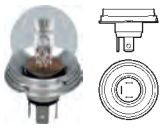
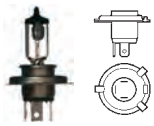
HC-CARGO	Std. pkg.	Voltage	Watt	Length	OD	Colour	Type	Comment
170496	Pkg. 1	12	100	42 mm	11.5 mm		Single filament	*Not E-approved.*

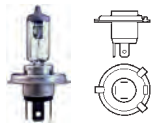

PKY22s

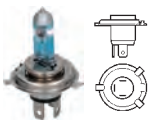
HC-CARGO	Std. pkg.	Voltage	Watt	Length	OD	Colour	Type	Comment
172265*	Pkg. 1	12	55	42 mm	10.8 mm		Nightbreaker	*Up to 150% more light. Up to 150 m longer beam. Up to 20% whiter light.*

PK22s

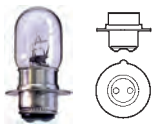
H4 HALOGEN

	HC-CARGO	Std. pkg.	Voltage	Watt	Length	OD	Colour	Type	Comment
	171474	Pkg. 1	6	60/55	78 mm	16 mm			*Not E-approved.*
	170768	Pkg. 1	12	60/55	78 mm	16 mm		Double filament	
	171066	Pkg. 1	12	60/55	78 mm	16 mm		Double filament	*Gives up to 30% more light.*
	171067	Pkg. 1	12	60/55	78 mm	16 mm	Xenon blue	Double filament	*Brighter light as standard.*
	171113	Pkg. 1	12	60/55	78 mm	16 mm		Double filament Longlife	
 P43t	**171114**	Pkg. 1	12	60/55	78 mm	16 mm	Gold	Double filament	*Gives better visibility in poor weather conditions.*
	171134	Pkg. 1	12	60/55	78 mm	16 mm		Double filament	*Gives up to 50% more light.*
	170803	Pkg. 1	12	100/80	78 mm	16 mm	Xenon blue	Double filament	*Brighter light as standard. Not E-approved.*
	171065	Pkg. 1	12	100/80	78 mm	16 mm		Double filament	*Not E-approved.*
	170513	Pkg. 1	12	130/90	76.4 mm	14.6 mm		Double filament	*Not E-approved.*
	170792	Pkg. 1	24	75/70	78 mm	16 mm		Double filament Heavy duty	
	171125	Pkg. 1	24	75/70	78 mm	16 mm		Double filament Heavy duty	
 P45t	**170071**	Pkg. 1	12	60/55	78 mm	16 mm		Double filament	*Not E-approved.*
	172250	Pkg. 1	24	60/55	50 mm	41 mm		Heavy duty	
 PX43t	**171473**	Pkg. 1	6	35/35	78 mm	16 mm			*Not E-approved.*

	HC-CARGO	Std. pkg.	Voltage	Watt	Length	OD	Colour	Type	Comment
	170718	Pkg. 1	12	35/35	78 mm	16 mm		Double filament	
	170334	Pkg. 1	12	60/55	78 mm	16 mm		Double filament	
	170657	Pkg. 1	12	60/55	78 mm	16 mm		Double filament Longlife	
	170802	Pkg. 1	12	60/55	78 mm	16 mm	Xenon blue	Double filament	*Brighter light as standard.*
 P43t	**170804**	Pkg. 1	12	60/55	78 mm	16 mm		Double filament Megalight	*Gives up to 30% more light.*
	171064	Pkg. 1	12	60/55	78 mm	16 mm		Double filament Megalight plus	*Gives up to 60% more light.*
	170009	Pkg. 1	12	100/90	78 mm	16 mm		Double filament	*Not E-approved.*
	170348	Pkg. 1	24	75/70	78 mm	16 mm		Heavy duty	
	170450	Pkg. 1	24	75/70	78 mm	16 mm		Heavy duty Heavy duty	
	170360	Pkg. 1	24	100/70	78 mm	16 mm		Heavy duty	*Not E-approved.*
	170359	Pkg. 1	12	100/80	78 mm	16 mm			*Not E-approved.*
	170681	Pkg. 1	12	45/40	78 mm	16 mm			
P45t	**170006**	Pkg. 1	24	75/70	78 mm	16 mm		Heavy duty	*Not E-approved.*

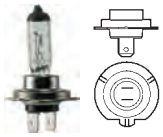
	HC-CARGO	Std. pkg.	Voltage	Watt	Length	OD	Colour	Type	Comment
 P43t	**172266***	Pkg. 1	12	60/55	82 mm	13 mm		Double filament Nightbreaker	*Up to 150% more light. Up to 150 m longer beam. Up to 20% whiter light.*

MH6 HALOGEN

	HC-CARGO	Std. pkg.	Voltage	Watt	Length	OD	Colour	Type	Comment
 PX15d	**170811**	Pkg. 10	12	30/30	47 mm	20 mm		Double filament Bilux	*Not E-approved.*
	170812	Pkg. 10	12	30/30	55 mm	15 mm		Double filament	*Not E-approved.*

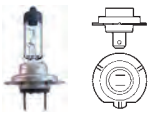
H7 HALOGEN

HC-CARGO	Std. pkg.	Voltage	Watt	Length	OD	Colour	Type	Comment
171077	Pkg. 1	12	55	58 mm	11.6 mm		Single filament	
171079	Pkg. 1	12	55	58 mm	11.6 mm	Xenon blue	Single filament	*Brighter light as standard.*
171081	Pkg. 1	12	55	58 mm	11.6 mm		Single filament	*Gives up to 30% more light.*
171117	Pkg. 1	12	55	58 mm	11.6 mm		Double filament Longlife	
171137	Pkg. 1	12	55	58 mm	11.6 mm		Single filament	*Gives up to 50% more light.*
170837	Pkg. 1	12	100	58 mm	11.6 mm		Single filament	*Not E-approved.*
171080	Pkg. 1	24	70	58 mm	11.6 mm		Single filament Heavy duty	
171532	Pkg. 1	24	70	58 mm	11.6 mm		Double filament Longlife Heavy duty	
172111	Pkg. 1	24	100	58 mm	34 mm		Single filament Heavy duty	*Not E-approved.*



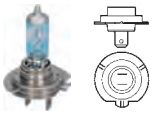
PX26d

John	HC-CARGO	Std. pkg.	Voltage	Watt	Length	OD	Colour	Type	Comment
	170720	Pkg. 1	12	55	58 mm	11.6 mm		Single filament	
	170825	Pkg. 1	12	55	58 mm	11.6 mm	Xenon blue	Single filament	*Brighter light as standard.*
	170800	Pkg. 1	24	70	58 mm	11.6 mm		Single filament Heavy duty	



PX26d

OSRAM	HC-CARGO	Std. pkg.	Voltage	Watt	Length	OD	Colour	Type	Comment
	172267*	Pkg. 1	12	55	59 mm	11.4 mm		Double filament Nightbreaker	*Up to 150% more light. Up to 150 m longer beam. Up to 20% whiter light.*



PX26d

H13 HALOGEN

John	HC-CARGO	Std. pkg.	Voltage	Watt	Length	OD	Colour	Type	Comment
	171796	Pkg. 1	12	60/55	86 mm	16.1 mm			

P26.4t

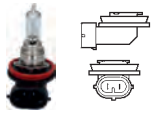
H15 HALOGEN

OSRAM	HC-CARGO	Std. pkg.	Voltage	Watt	Length	OD	Colour	Type	Comment
	171691	Pkg. 1	12	15/55	79 mm	13 mm		Double filament	
	172251	Pkg. 1	24	20/60	77 mm	19 mm		Double filament Heavy duty	

PGJ23T-1

H16 HALOGEN

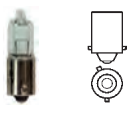
HC-CARGO	Std. pkg.	Voltage	Watt	Length	OD	Colour	Type	Comment
172257	Pkg. 1	12	19	44 mm	15 mm			



PGJ19-3

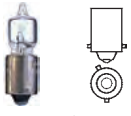
H6W HALOGEN

HC-CARGO	Std. pkg.	Voltage	Watt	Length	OD	Colour	Type	Comment
171082	Pkg. 10	12	6	35 mm	9 mm			



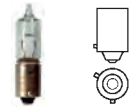
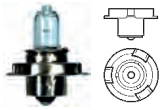
BAX9s

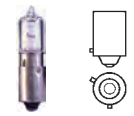
John	HC-CARGO	Std. pkg.	Voltage	Watt	Length	OD	Colour	Type	Comment
	170741	Pkg. 10	12	6	33 mm	9 mm			



BAX9s

H21W HALOGEN

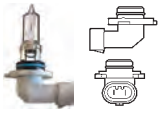
	HC-CARGO	Std. pkg.	Voltage	Watt	Length	OD	Colour	Type	Comment
 BAY9s	**171083**	Pkg. 10	12	21	40 mm	10 mm		Single filament	
	171084	Pkg. 10	24	21	40 mm	10 mm		Single filament Heavy duty	
 P26s	**171135**	Pkg. 10	12	15	36 mm	10 mm		Single filament	*Not E-approved.*

	HC-CARGO	Std. pkg.	Voltage	Watt	Length	OD	Colour	Type	Comment
 BAY9s	**170742**	Pkg. 10	12	21	40 mm	10 mm		Single filament	

HB1 AMERICAN TYPES

	HC-CARGO	Std. pkg.	Voltage	Watt	Length	OD	Colour	Type	Comment
P29t	**170692**	Pkg. 1	12	65/45	95 mm	16.5 mm		Halogen	

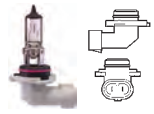
HB3 AMERICAN TYPES

	HC-CARGO	Std. pkg.	Voltage	Watt	Length	OD	Colour	Type	Comment
 P20d	**170693**	Pkg. 1	12	65	78 mm	16 mm		Halogen	

HB3 A AMERICAN TYPES

	HC-CARGO	Std. pkg.	Voltage	Watt	Length	OD	Colour	Type	Comment
P20d	**171804**	Pkg. 1	12	60	70.9 mm	11.9 mm		Halogen	

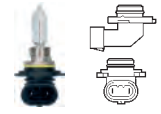
HB4 AMERICAN TYPES

	HC-CARGO	Std. pkg.	Voltage	Watt	Length	OD	Colour	Type	Comment
 P22d	**170694**	Pkg. 1	12	51	78 mm	16 mm		Halogen	

HB4 A AMERICAN TYPES

	HC-CARGO	Std. pkg.	Voltage	Watt	Length	OD	Colour	Type	Comment
P22d	**171794**	Pkg. 1	12	51	80.3 mm	10.7 mm		Halogen	

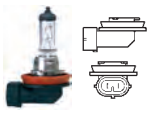
HIR2

	HC-CARGO	Std. pkg.	Voltage	Watt	Length	OD	Colour	Type	Comment
 PX22d	**172231**	Pkg. 1	12	55	75 mm	11.3 mm			*HIR2*

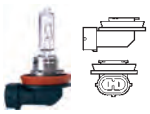
HB5 AMERICAN TYPES

	HC-CARGO	Std. pkg.	Voltage	Watt	Length	OD	Colour	Type	Comment
PX29t	**171039**	Pkg. 1	12	65/55	102 mm	17 mm		Halogen	

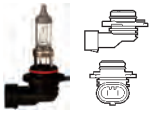
H8 AMERICAN TYPES

	HC-CARGO	Std. pkg.	Voltage	Watt	Length	OD	Colour	Type	Comment
 PGJ19-1	**171034**	Pkg. 1	12	35	41 mm	11.7 mm		Halogen	

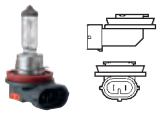
H9 AMERICAN TYPES

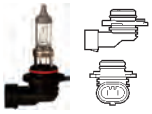
	HC-CARGO	Std. pkg.	Voltage	Watt	Length	OD	Colour	Type	Comment
 PGJ19-5	**171035**	Pkg. 1	12	65	41 mm	11.7 mm		Halogen	

H10 AMERICAN TYPES

	HC-CARGO	Std. pkg.	Voltage	Watt	Length	OD	Colour	Type	Comment
 PY20d	**171036**	Pkg. 1	12	42	31.5 mm	12.4 mm			

H11 AMERICAN TYPES

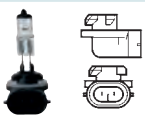
	HC-CARGO	Std. pkg.	Voltage	Watt	Length	OD	Colour	Type	Comment
 PGJ19-2	**171037**	Pkg. 1	12	55	41 mm	11.7 mm			
	172073	Pkg. 1	24	70	44 mm	31.5 mm		Heavy duty	

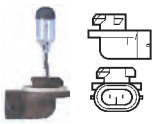
OSRAM	HC-CARGO	Std. pkg.	Voltage	Watt	Length	OD	Colour	Type	Comment
 PGJ19-2	**172268***	Pkg. 1	12	55	44 mm	11.4 mm		Nightbreaker	*Up to 150% more light. Up to 150 m longer beam. Up to 20% whiter light.*

H27W/1 AMERICAN TYPES

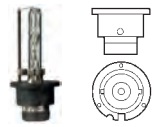
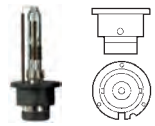
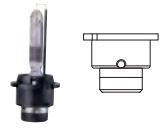
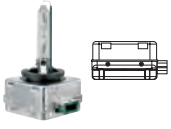
	HC-CARGO	Std. pkg.	Voltage	Watt	Length	OD	Colour	Type	Comment
PG13	**171009**	Pkg. 1	12	27	44.5 mm	10.3 mm		Halogen	
W2.5x16q	**170710**	Pkg. 10	12	27/7	53 mm	26.5 mm		3157	
	170711	Pkg. 10	12	27/7	53 mm	26.5 mm	Orange	3157NA	*Not E-approved.*

H27W/2 AMERICAN TYPES

	HC-CARGO	Std. pkg.	Voltage	Watt	Length	OD	Colour	Type	Comment
 PGJ13	**171953**	Pkg. 1	12	50	62.7 mm	12.5 mm		Halogen	*Bulb Holder: HC-CARGO 172072. Not E-approved.*

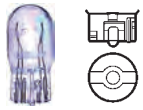
	HC-CARGO	Std. pkg.	Voltage	Watt	Length	OD	Colour	Type	Comment
 PGJ13	**171010**	Pkg. 1	12	27	44.5 mm	10.3 mm		Halogen	*Bulb Holder: HC-CARGO 172072.*
	170726	Pkg. 1	12	37.5	62.7 mm	12.5 mm		Halogen	*Bulb Holder: HC-CARGO 172072. Not E-approved.*
	170951	Pkg. 1	12	50	62.7 mm	12.5 mm		Halogen	*Bulb Holder: HC-CARGO 172072. Not E-approved.*

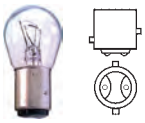
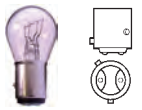
HIGH INTENSITY DISCHARGE

OSRAM	HC-CARGO	Std. pkg.	Voltage	Watt	Length	OD	Colour	Type	Comment
 P32d-2	**171133**	Pkg. 1	85	35	77 mm	13.7 mm	4150K	Xenon D2S	
 P32d-3	**171132**	Pkg. 1	85	35	79.7 mm	13.7 mm	4150K	Xenon D2R	
P32d-5	**171713**	Pkg. 1	42	35	77 mm	13.7 mm	4150K	Xenon D4S	
 P32d-6	**171711**	Pkg. 1	42	35	79.7 mm	12.4 mm	4150K	Xenon D4R	
PK-32d-6	**171710**	Pkg. 1	42	35	80 mm	9 mm	4150K	Xenon D3R	
PK32d-2	**171613**	Pkg. 1	85	35	82 mm	41x41 mm	4150K	Xenon D1S	
PK32d-3	**171683**	Pkg. 1	85	35	80 mm	13 mm	4150K	Xenon D1R	
 PK32d-5	**171712**	Pkg. 1	42	35	80 mm	13 mm	4150K	Xenon D3S	

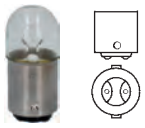
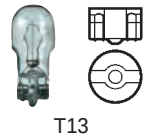
STOP AND TAIL LAMPS

HC-CARGO	HC-CARGO	Std. pkg.	Voltage	Watt	Length	OD	Colour	Type	Comment
BAY15d	**170770**	Pkg. 10	12	21/5	52.5 mm	26.5 mm		P21/5W	
	171092	Pkg. 10	24	21/5	50 mm	25 mm		Heavy duty	
BAZ15d	**171093**	Pkg. 10	12	21/4	50 mm	25 mm			
	172249	Pkg. 10	24	21/4	45 mm	26.5 mm		Heavy duty	

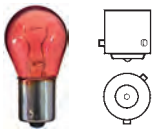
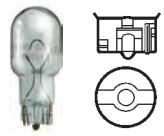
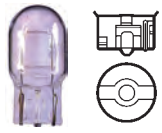
HC-CARGO	Std. pkg.	Voltage	Watt	Length	OD	Colour	Type	Comment
 T20								
170776	Pkg. 10	12	21/5	44 mm	20 mm			

John	HC-CARGO	Std. pkg.	Voltage	Watt	Length	OD	Colour	Type	Comment
 BAY15d	**171476**	Pkg. 10	6	21/5	52.5 mm	26.5 mm			
	170336	Pkg. 10	12	21/5	52.5 mm	26.5 mm		P21/5W	
	170659	Pkg. 10	12	21/5	52.5 mm	26.5 mm		P21/5W Longlife	
	170452	Pkg. 10	24	21/5	52.5 mm	26.5 mm		Heavy duty	
 BAZ15d	**170644**	Pkg. 10	12	21/4	52.5 mm	26.5 mm			
	170850	Pkg. 10	24	21/4	52.5 mm	26.5 mm		Heavy duty	

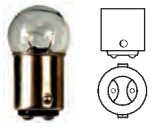
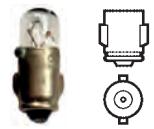
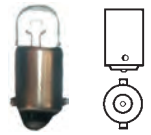
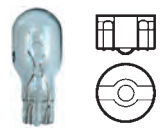
STOP AND FLASHER - POSITION

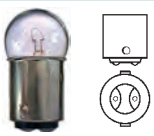
HC-CARGO	Std. pkg.	Voltage	Watt	Length	OD	Colour	Type	Comment
 BA15d	**171998**	Pkg. 10	6	15	45 mm	26.5 mm			*Not E-approved.*
	171989	Pkg. 10	12	20	45 mm	26.5 mm			*Not E-approved.*
	172033	Pkg. 10	12	20/5	52.5 mm	22.5 mm			*Not E-approved.*
	172248	Pkg. 10	24	10	37.5 mm	19 mm		Heavy duty	
	171088	Pkg. 10	24	15	43 mm	23 mm		Heavy duty	*Not E-approved.*
	171982	Pkg. 10	24	20	45 mm	26.5 mm		Heavy duty	*Not E-approved.*
BA15S	**171984**	Pkg. 10	6	21	52.5 mm	26.5 mm			
	170772	Pkg. 10	12	10	35 mm	18 mm			
	171992	Pkg. 10	12	10	35 mm	19 mm		Longlife	
	171990	Pkg. 10	12	15	35 mm	19 mm			*Not E-approved.*
	171988	Pkg. 10	12	18	45 mm	26.5 mm			*Not E-approved.*
	170769	Pkg. 10	12	21	52.5 mm	26.5 mm		P21W	
	171091	Pkg. 10	12	21	50 mm	25 mm	Orange		*Not E-approved.*
	171979	Pkg. 10	12	21	52.5 mm	26.5 mm		P21WLonglife	
	170793	Pkg. 10	24	10	35 mm	18 mm		Heavy duty	
	171076	Pkg. 10	24	10	35 mm	18 mm		Heavy duty	
	171086	Pkg. 1	24	15	43 mm	23 mm		H21W Heavy duty	*Not E-approved.*
	171997	Pkg. 10	24	15	35 mm	19 mm		Heavy duty	*Not E-approved.*
	171996	Pkg. 10	24	18	45 mm	26.5 mm		Heavy duty	*Not E-approved.*
	170826	Pkg. 10	24	21	52.5 mm	26.5 mm		Heavy duty	
	171078	Pkg. 10	24	21	52.5 mm	26.5 mm		Heavy duty	
	171986	Pkg. 10	24	25	45 mm	26.5 mm		Heavy duty	*Not E-approved.*
BAU15s	**171089**	Pkg. 10	12	21	50 mm	25 mm	Orange		
	171371	Pkg. 10	12	21	50 mm	25 mm	Silver/ amber		
	171090	Pkg. 10	24	21	50 mm	25 mm	Orange	Heavy duty	
 T13	**171390**	Pkg. 10	12	10	30 mm	13 mm			*Not E-approved.*
T15	**171402**	Pkg. 10	12	10	36 mm	15 mm			*Not E-approved.*
	172230	Pkg. 10	12	16	38.1 mm	15.7 mm	Orange		*12 V, 16 W, W2, 1x9.5d.*
	171403	Pkg. 10	12	21	36 mm	15 mm			*Not E-approved.*

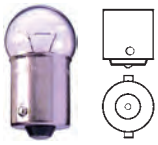
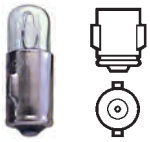
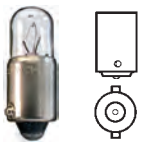
John	HC-CARGO	Std. pkg.	Voltage	Watt	Length	OD	Colour	Type	Comment
BA15d	**170583**	Pkg. 10	12	15	45 mm	26.5 mm			*Not E-approved.*
	171994	Pkg. 10	12	20/5	52.2 mm	22.5 mm			*Not E-approved.*

Jahn	HC-CARGO	Std. pkg.	Voltage	Watt	Length	OD	Colour	Type	Comment
BA15S	**170335**	Pkg. 10	12	21	52.5 mm	26.5 mm		P21W	
	170351	Pkg. 10	24	10	35 mm	19 mm		R10W Heavy duty	
	170454	Pkg. 10	24	10	35 mm	15 mm		Heavy duty	
	170349	Pkg. 10	24	21	52.5 mm	26.5 mm		P21W Heavy duty	
	170451	Pkg. 10	24	21	52.5 mm	26.5 mm		Heavy duty	
 BAU15s	**170648**	Pkg. 10	12	21	52.5 mm	26.5 mm	Orange	PY21W	
	170849	Pkg. 10	24	21	52.5 mm	26.5 mm	Orange	Heavy duty	
 T16	**170813**	Pkg. 10	12	16	37 mm	15 mm			
 T20	**170777**	Pkg. 10	12	21	44 mm	20 mm			
	171398	Pkg. 10	12	21	44 mm	20 mm	Orange		

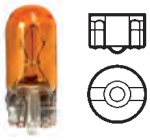
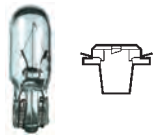
PARKING AND FLASHER - POSITION

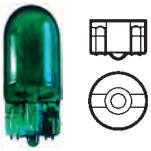
HC-CARGO	HC-CARGO	Std. pkg.	Voltage	Watt	Length	OD	Colour	Type	Comment
 BA15d	**171102**	Pkg. 10	24	5	35 mm	18.5 mm		Heavy duty	
BA15S	**171981**	Pkg. 10	6	5	35 mm	18.5 mm			
	171993	Pkg. 10	6	10	35 mm	18.5 mm			
	171983	Pkg. 10	6	18	45 mm	26.5 mm			*Not E-approved.*
	170773	Pkg. 10	12	5	35 mm	18.5 mm			
	171980	Pkg. 10	12	5	35 mm	18.5 mm		Longlife	
	170794	Pkg. 10	24	5	35 mm	18.5 mm		Heavy duty	
	171118	Pkg. 10	24	5	35 mm	18.5 mm		Heavy duty	
 BA7s	**171119**	Pkg. 10	12	2	19 mm	6.8 mm			*Not E-approved.*
 BA9s	**171490**	Pkg. 10	6	3	27.4 mm	8.6 mm			*Not E-approved.*
	171103	Pkg. 10	12	2	23 mm	8.6 mm			*Not E-approved.*
	170774	Pkg. 10	12	4	27.4 mm	8.6 mm			
	170822	Pkg. 10	12	4	27.4 mm	8.6 mm	Xenon blue		*Brighter light as standard. Not E-approved.*
	170796	Pkg. 10	24	2	23 mm	8.6 mm		Heavy duty	*Not E-approved.*
	170795	Pkg. 10	24	4	27.4 mm	8.6 mm		Heavy duty	
 T15	**171401**	Pkg. 10	12	5	36 mm	15 mm			*Not E-approved.*

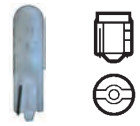
Jahn	HC-CARGO	Std. pkg.	Voltage	Watt	Length	OD	Colour	Type	Comment
 BA15d	**170593**	Pkg. 10	12	5	35 mm	18.5 mm			

John	HC-CARGO	Std. pkg.	Voltage	Watt	Length	OD	Colour	Type	Comment
 BA15S	**170340**	Pkg. 10	12	5	35 mm	18.5 mm		R5W	
	170339	Pkg. 10	12	10	35 mm	19 mm			
	170413	Pkg. 10	24	5	35 mm	18.5 mm		R5W Heavy duty	
	170455	Pkg. 10	24	5	35 mm	18.5 mm		Heavy duty	
 BA7s	**170448**	Pkg. 10	12	2	20.7 mm	6.8 mm			*Not E-approved.*
	170456	Pkg. 10	24	3	20.7 mm	6.8 mm		Heavy duty	*Not E-approved.*
 BA9s	**171491**	Pkg. 10	6	2	27.4 mm	8.6 mm			*Not E-approved.*
	171492	Pkg. 10	6	4	27.4 mm	8.6 mm			
	170345	Pkg. 10	12	2	23 mm	8.6 mm			*Not E-approved.*
	170594	Pkg. 10	12	3	23 mm	8.6 mm			*Not E-approved.*
	170346	Pkg. 10	12	4	27.4 mm	8.6 mm		T4W	
	170416	Pkg. 10	24	2	23 mm	8.6 mm		T2W Heavy duty	*Not E-approved.*
	170417	Pkg. 10	24	4	27.4 mm	8.6 mm		T4W Heavy duty	

WEDGE BASE

HC CAR GO	HC-CARGO	Std. pkg.	Voltage	Watt	Length	OD	Colour	Type	Comment
 T10	**171121**	Pkg. 10	12	2	26 mm	10 mm			*Not E-approved.*
	171104	Pkg. 10	12	3	26 mm	10 mm			
	170948	Pkg. 10	12	5	26 mm	10.3 mm	Xenon blue		*Brighter light as standard.*
	171105	Pkg. 10	12	5	26 mm	10 mm			
	171122	Pkg. 10	12	5	26 mm	10 mm	Blue		
	171123	Pkg. 10	12	5	26 mm	10 mm	Orange		
	171106	Pkg. 10	24	3	26 mm	10 mm		Heavy duty	
	171107	Pkg. 10	24	5	26 mm	10 mm		Heavy duty	
T5	**170775**	Pkg. 10	12	1.2	20 mm	5 mm			*Not E-approved.*
	171108	Pkg. 10	24	1.2	20 mm	5 mm		Heavy duty	*Not E-approved.*
 T7	**171391**	Pkg. 10	12	3	20 mm	7 mm			*Not E-approved.*

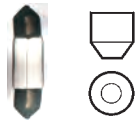
John	HC-CARGO	Std. pkg.	Voltage	Watt	Length	OD	Colour	Type	Comment
 T10	**170725**	Pkg. 10	12	2	26.7 mm	10.3 mm			*Not E-approved.*
	170331	Pkg. 10	12	3	26.7 mm	10.3 mm		W3W	
	170778	Pkg. 10	12	3	26.7 mm	10.3 mm	Orange	W3W	*Not E-approved.*
	170779	Pkg. 10	12	3	26.7 mm	10.3 mm	Green	W3W	*Not E-approved.*
	170347	Pkg. 10	12	5	26.7 mm	10.3 mm		W5W	
	170662	Pkg. 10	12	5	26.7 mm	10.3 mm		W5W Longlife	
	170754	Pkg. 10	12	5	26.7 mm	10.3 mm	Orange	WY5W	
	171027	Pkg. 10	24	2	26.7 mm	10.3 mm		Heavy duty	*Not E-approved.*
	170476	Pkg. 10	24	3	26.7 mm	10.3 mm		W3W Heavy duty	
	170805	Pkg. 10	24	3	26.7 mm	10.3 mm	Orange	W3W Heavy duty	*Not E-approved.*
	170806	Pkg. 10	24	3	26.7 mm	10.3 mm	Green	W3W Heavy duty	
	170808	Pkg. 10	24	3	26.7 mm	10.3 mm	Red	W3W Heavy duty	*Not E-approved.*
	170542	Pkg. 10	24	5	26.7 mm	10.3 mm		W5W Heavy duty	

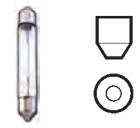
	HC-CARGO	Std. pkg.	Voltage	Watt	Length	OD	Colour	Type	Comment
 T5	**170410**	Pkg. 10	12	1.2	20 mm	5 mm			*Not E-approved.*
	170617	Pkg. 10	12	1.2	20 mm	5 mm	Frosted		*Not E-approved.*
	171283	Pkg. 10	12	2	20 mm	5 mm			*Not E-approved.*
	170684	Pkg. 10	24	0.7	20 mm	5 mm			
	170477	Pkg. 10	24	1.2	20 mm	5 mm		Heavy duty	*Not E-approved.*

WEDGE BASE - COVERS

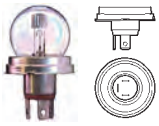
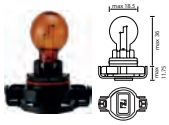
	HC-CARGO	Std. pkg.	Voltage	Watt	Length	OD	Colour	Type	Comment
	170731	Pkg.25			13.1 mm	9.6 mm	Blue		*Not E-approved.*
	170732	Pkg.25			13.1 mm	9.6 mm	Green		*Not E-approved.*
	171128	Pkg. 10			11 mm	6.5 mm	Blue		*Not E-approved.*
	171129	Pkg. 10			10.5 mm	7 mm	Green		*Not E-approved.*

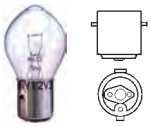
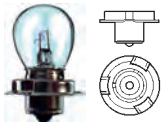
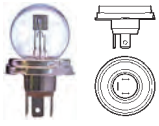
FESTOON

	HC-CARGO	Std. pkg.	Voltage	Watt	Length	OD	Colour	Type	Comment
 S8.5	**171487**	Pkg. 10	6	10	36 mm	10.5 mm			*Not E-approved.*
	171094	Pkg. 10	12	5	36 mm	10.5 mm			
	171097	Pkg. 10	12	5	41 mm	10.5 mm			*Not E-approved.*
	171095	Pkg. 10	12	10	36 mm	10.5 mm			*Not E-approved.*
	171098	Pkg. 10	12	10	41 mm	10.5 mm			*Not E-approved.*
	171120	Pkg. 10	12	21	41 mm	15 mm			
	171096	Pkg. 10	24	5	36 mm	10.5 mm		Heavy duty	
	171099	Pkg. 10	24	5	41 mm	10.5 mm		Heavy duty	*Not E-approved.*
	171100	Pkg. 10	24	10	41 mm	10.5 mm		Heavy duty	*Not E-approved.*

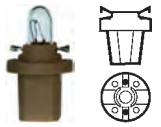
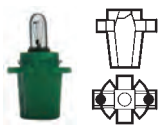
	HC-CARGO	Std. pkg.	Voltage	Watt	Length	OD	Colour	Type	Comment
 S6	**170591**	Pkg. 10	12	3	33 mm	8.5 mm			*Not E-approved.*
S7	**170590**	Pkg. 10	12	3	28 mm	8 mm			*Not E-approved.*
S8.5	**171479**	Pkg. 10	6	18	41 mm	15 mm			*Not E-approved.*
	171484	Pkg. 10	6	5	36 mm	10.5 mm			
	170341	Pkg. 10	12	5	36 mm	10.5 mm		C5W	
	170343	Pkg. 10	12	5	41 mm	10.5 mm			*Not E-approved.*
	170005	Pkg. 10	12	10	28 mm	10 mm			*Not E-approved.*
	170344	Pkg. 10	12	10	41 mm	10.5 mm			*Not E-approved.*
	170411	Pkg. 10	12	10	36 mm	10.5 mm			*Not E-approved.*
	170342	Pkg. 10	12	15	41 mm	15 mm			*Not E-approved.*
	170588	Pkg. 10	12	18	41 mm	15 mm			*Not E-approved.*
	171139	Pkg. 10	12	21	41 mm	15 mm			
	170414	Pkg. 10	24	5	36 mm	10.5 mm		C5W Heavy duty	
	170592	Pkg. 10	24	15	41 mm	15 mm		Heavy duty	*Not E-approved.*
	170589	Pkg. 10	24	18	41 mm	15 mm		Heavy duty	*Not E-approved.*

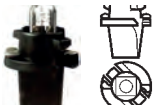
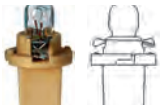
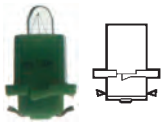
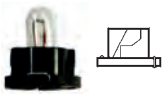
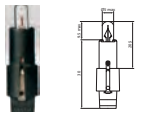
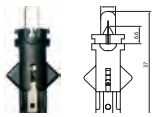
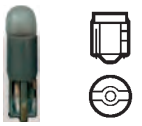
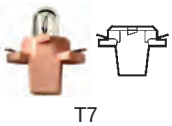
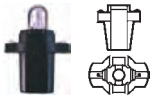
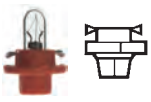
CONVENTIONAL

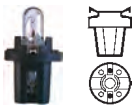
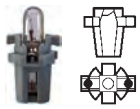
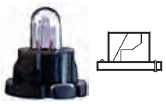
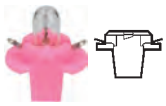
	HC-CARGO	Std. pkg.	Voltage	Watt	Length	OD	Colour	Type	Comment
BA15S	**171991**	Pkg. 10	12	45	53 mm	36 mm			*For US and UK systems. Not E-approved.*
	171978	Pkg. 1	24	45	53 mm	36 mm		Heavy duty	*For US and UK systems. Not E-approved.*
BA20d	**171977**	Pkg. 1	6	35/35	70 mm	36 mm			*Not E-approved.*
	171985	Pkg. 1	12	25/25	70 mm	36 mm			
	171975	Pkg. 1	12	35/35	70 mm	36 mm			
	171974	Pkg. 1	12	45/40	70 mm	36 mm			*Not E-approved.*
	171976	Pkg. 1	24	45/40	70 mm	36 mm		Heavy duty	*Not E-approved.*
 P45t	**170771**	Pkg. 1	12	45/40	77 mm	41 mm		Bilux	
 PG20/4	**171869**	Pkg. 1	12	24	47.75 mm	18.5 mm	Orange		*300 lm.*
PGU20/4	**172074**	Pkg. 1	12	24	46.55 mm	18.5 mm	Orange		

	HC-CARGO	Std. pkg.	Voltage	Watt	Length	OD	Colour	Type	Comment
 BA20s	**170575**	Pkg. 1	12	35	66 mm	36 mm			*Not E-approved.*
	170579	Pkg. 1	12	50	66 mm	36 mm			*For German and Italian systems. Not E-approved.*
 P26s	**170816**	Pkg. 10	12	15	46 mm	25.5 mm			
 P45t	**171477**	Pkg. 1	6	45/40	77 mm	41 mm		Bilux	
	170338	Pkg. 1	12	45/40	77 mm	41 mm		Bilux	
	170350	Pkg. 1	24	55/50	77 mm	41 mm		Bilux Heavy duty	

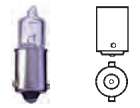
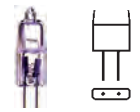
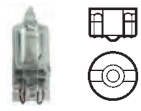
INSTRUMENT PANEL

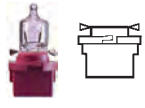
	HC-CARGO	Std. pkg.	Voltage	Watt	Length	OD	Colour	Socket colour	Comment
B8.4d	**171109**	Pkg. 10	12	1.2	17.5 mm	5 mm		Black	*Not E-approved.*
	171381	Pkg. 10	12	1.2	17.5 mm	5 mm		Blue	*Not E-approved.*
	171023	Pkg. 10	12	1.5	17.5 mm	5 mm		Beige	*Not E-approved.*
	171110	Pkg. 10	12	2	17.5 mm	5 mm		Light green	*Not E-approved.*
 B8.5d	**171380**	Pkg. 10	12	0.36	21 mm	5 mm		Purple	*Not E-approved.*
	171379	Pkg. 10	12	1	21 mm	5 mm		Orange	*Not E-approved.*
	171024	Pkg. 10	12	1.2	21 mm	5 mm		Blue	*Not E-approved.*
	171383	Pkg. 10	12	1.5	21 mm	5 mm		Beige	*Not E-approved.*
	171028	Pkg. 10	24	1.2	21 mm	5 mm		Brown	Heavy duty. *Not E-approved.*
 B8.7d	**171455**	Pkg. 10	12	2	16.5 mm	5 mm		Green	*Not E-approved.*

HC-CARGO	Std. pkg.	Voltage	Watt	Length	OD	Colour	Socket colour	Comment
 BX2d								
171284	Pkg. 10	12	1.2	21.5 mm	5 mm		Black	*Not E-approved.*
 EBSN10								
171377	Pkg. 10	24	1.2	20 mm	6 mm		Beige	Heavy duty. *Alba- type. Not E-approved.*
 EBSR11								
171031	Pkg. 10	12	1.2	20 mm	5 mm		Green	*Alba- type.*
170698	Pkg. 10	12	1.8	20 mm	5 mm		Blue	*Alba- type.*
171026	Pkg. 10	24	1.2	21 mm	5 mm		Brown	*Alba- type.*
171025	Pkg. 10	24	1.2	21 mm	5 mm		Yellow	*Alba- type.*
171032	Pkg. 10	24	1.4	21 mm	5 mm		Green	*Alba- type.*
 F4.8								
171112	Pkg. 10	14	1.4	13 mm	4.8 mm		Black	*Not E-approved.*
 MFHZ								
171382	Pkg. 10	12	1.2	38 mm	5 mm		Black	*Not E-approved.*
 MFJF								
171384	Pkg. 10	12	1.2	35 mm	5 mm		Black	*Not E-approved.*
T-1/4								
170364	Pkg. 10	14	1.12	10.5 mm	4 mm			
T-1/4NW								
170762	Pkg. 10	14	0.8	9 mm	3.4 mm		Dark grey	
171389	Pkg. 10	14	1.4	11 mm	3.5 mm		Black	*Not E-approved.*
T-3/4								
170972	Pkg. 10	12	0.6	6.5 mm	2.5 mm			*Used as locating light bulbs in switches on japanese vehicles.*
 T5								
171388	Pkg. 10	12	0.4	20 mm	5 mm	Frosted	Grey	*Not E-approved.*
171029	Pkg. 10	24	1.2	20 mm	5 mm		White	
 T7								
171111	Pkg. 10	14	2	23 mm	7 mm		Pink	*Not E-approved.*
John HC-CARGO	Std. pkg.	Voltage	Watt	Length	OD	Colour	Socket colour	Comment
 B8.3d								
170612	Pkg. 10	12	1.2	23.5 mm	5 mm		Black	*Not E-approved.*
170613	Pkg. 10	24	1.2	23.5 mm	5 mm		Grey	Heavy duty. *Not E-approved.*
 B8.4d								
171033	Pkg. 10	12	1.12	17.5 mm	5 mm		Orange	*Not E-approved.*
170727	Pkg. 10	12	1.2	17.5 mm	5 mm		Black	*Not E-approved.*
170756	Pkg. 10	12	2	17.5 mm	5 mm		Light green	*Not E-approved.*

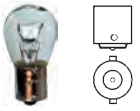
John	HC-CARGO	Std. pkg.	Voltage	Watt	Length	OD	Colour	Socket colour	Comment
 B8.5d	**170357**	Pkg. 10	12	1.2	23.5 mm	5 mm		Black	*Not E-approved.*
	170610	Pkg. 10	12	2	23.5 mm	5 mm		Green	*Not E-approved.*
	170358	Pkg. 10	24	1.2	23.5 mm	5 mm		Grey	Heavy duty. *Not E-approved.*
 B8.7d	**170545**	Pkg. 10	12	1.2	23.5 mm	5 mm		Grey	*Not E-approved.*
 F4.8	**170753**	Pkg. 10	14	1.4	12 mm	5 mm		Black	*Not E-approved.*
T5	**170755**	Pkg. 10	12	0.5	19.5 mm	5 mm		Grey	*Not E-approved.*
	170758	Pkg. 10	12	1.2	20 mm	5 mm		White	*Not E-approved.*
	170782	Pkg. 10	12	1.2	20 mm	5 mm		Orange	*Not E-approved.*
	170783	Pkg. 10	12	1.2	20 mm	5 mm		Green	*Not E-approved.*
	170785	Pkg. 10	12	1.2	20 mm	5 mm		Red	*Not E-approved.*
 T7	**170757**	Pkg. 10	14	2	23.5 mm	5 mm		Pink	*Not E-approved.*

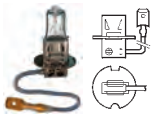
HALOGEN

CARGO	HC-CARGO	Std. pkg.	Voltage	Watt	Length	OD	Colour	Type	Comment
BA15S	**171987**	Pkg. 10	12	10	37.5 mm	10 mm			*Not E-approved.*
 BA9s	**170380**	Pkg. 10	12	20	35 mm	9 mm			*Not E-approved.*
	170470	Pkg. 10	12	5	33 mm	9 mm			*Not E-approved.*
 G4	**170712**	Pkg. 10	12	10	30 mm	8 mm			
	170749	Pkg. 10	12	20	30 mm	8 mm			
	170848	Pkg. 10	24	10	30 mm	8 mm			
	170750	Pkg. 10	24	20	30 mm	8 mm			
 T10	**171124**	Pkg. 10	12	5	33 mm	9 mm			*Not E-approved.*

John	HC-CARGO	Std. pkg.	Voltage	Watt	Length	OD	Colour	Type	Comment
 B10d	**170751**	Pkg. 10	12	3	27.8 mm	8.8 mm	Brown		*Not E-approved.*
	170752	Pkg. 1	12	5	27.8 mm	8.8 mm	Black		*Not E-approved.*

ELECTRIC VEHICLES AND FORKLIFTS

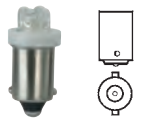
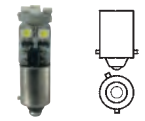
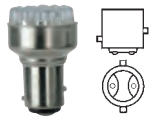
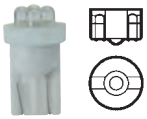
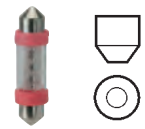
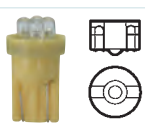
CARGO	HC-CARGO	Std. pkg.	Voltage	Watt	Length	OD	Colour	Type	Comment
 BA15S	**171410**	Pkg. 10	48	10	35 mm	16 mm			*Not E-approved.*
	171408	Pkg. 10	48	25	50 mm	25 mm			*Not E-approved.*
BAY15d	**171411**	Pkg. 10	48	25/10	50 mm	25 mm			*Not E-approved.*

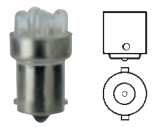
	HC-CARGO	Std. pkg.	Voltage	Watt	Length	OD	Colour	Type	Comment
 PK22s	**171407**	Pkg. 1	48	45	42 mm	11.5 mm		Single filament Halogen H3	*Not E-approved.*
	171378	Pkg. 1	80	55	42 mm	11.5 mm		Halogen H3	*Not E-approved.*

FLASH AND PENLIGHT

	HC-CARGO	Std. pkg.	Voltage	Watt	Length	OD	Colour	Type	Comment
E10	**170509**	Pkg. 10	12	3	24 mm	11.5 mm			
P13.5s	**171280**	Pkg. 10	4.8	3.6	30 mm	11 mm		Krypton	

LED

	HC-CARGO	Std. pkg.	Voltage	Watt	Length	OD	Colour	Type	Comment
BA15S	**172162**	Pkg. 1	12	1.3			Orange		*Not E-approved.*
	172163	Pkg. 1	24	0.7			White		*Not E-approved.*
	172164	Pkg. 1	24	0.7			White		*Not E-approved.*
	172165	Pkg. 1	24	0.7			Red		*Not E-approved.*
	172166	Pkg. 1	24	0.7			Orange		*Not E-approved.*
 BA9s	**172170**	Pkg. 1	12	0.4			White		*Not E-approved.*
	172171	Pkg. 1	24	0.2			White		*Not E-approved.*
 BAX9s	**172182**	Pkg. 1	12	2.3			White		*CANBUS.* *Not E-approved.*
 BAY15d	**172167**	Pkg. 1	12	1.3			Red		*Not E-approved.*
	172168	Pkg. 1	12	1.3			White		*Not E-approved.*
	172169	Pkg. 1	24	0.7			White		*Not E-approved.*
 KW2,1x9,5d	**172176**	Pkg. 1	24	0.1			Orange		*Not E-approved.*
	172174	Pkg. 1	24	0.2			Red		*Not E-approved.*
	172175	Pkg. 1	24	0.2			White		*Not E-approved.*
 SV8.5	**172179**	Pkg. 1	12	0.2	38 mm	11 mm	Red		*Not E-approved.*
	172181	Pkg. 1	12	0.2	38 mm	11 mm	White		*Not E-approved.*
	172180	Pkg. 1	12	2	38 mm	11 mm	Blue		*Not E-approved.*
	172178	Pkg. 1	24	0.1	38 mm	11 mm	White		*Not E-approved.*
	172177	Pkg. 1	24	1	38 mm	11 mm	Red		*Not E-approved.*
 W2,1x9.5d	**172173**	Pkg. 1	12	0.2			Orange		*Not E-approved.*
	172172	Pkg. 1	12	0.4			White		*Not E-approved.*

	HC-CARGO	Std. pkg.	Voltage	Watt	Length	OD	Colour	Type	Comment
 BA15S	**172158**	Pkg. 1	12	0.4			Red		*Not E-approved.*
	172159	Pkg. 1	12	0.4			White		*Not E-approved.*
	172157	Pkg. 1	12	1.3			Orange		*Not E-approved.*
	172160	Pkg. 1	12	1.3			White		*Not E-approved.*
	172161	Pkg. 1	12	1.3			Red		*Not E-approved.*

SPARE LAMP KITS

FOR CARS

Jahn

171040

171042

171043

Dimensions: 90 x 90 x 57 mm.

Contains:

HC-CARGO	TYPE	Jahn Ref. No.	Description	H4 171040	H7 171042	H1/H7 171043
170804	H4	1134	12 V. 60/55 W. P43t.	1		
170332	H1	1111	12 V. 55 W. P14.5s.		1	
170720	H7	1117	12 V. 55 W. PX 26d.		1	1
170335	P12W	1321	12 V. 21 W. BAY15s.	1	1	1
170336	P21/5W	1341	12 V. 21/5W. BAY15d.	1	1	1
170648	PY21W	1383	12 V. 21W. BAU15s.		1	1
170347	W5W	1621	12 V. 5 W. W2.1 x 9.5d.		1	1
170340	R5W	1401	12 V. 5 W. BA15s.	1	1	
170341	C5W	1711	12 V. 5 W. SV8.5.		1	1
170346	T4W	1501	12 V. 5 W. SV8.5.	1		
190057	ATO blade fuse		10 Amp. Red.	1	1	1
190058	ATO blade fuse		15 Amp. Blue.	1	1	1
190059	ATO blade fuse		20 Amp. Yellow.	1	1	1

FOR TRUCKS AND BUSSES

Jahn

Contains:

HC-CARGO	TYPE	Jahn Ref. No.	Description	H4 171044
170348	H4	1102	24 V. 75/70W P43t.	2
170417	T4W	1502	24 V. 4 W. BA9s.	2
170413	R5W	1402	24 V. 5 W. BA15s.	1
170351	R10W	1412	24 V. 10 W. BA15s.	1
170349	P21W	1322	24 V. 21 W. BA15s.	4
170416	T2W	1512	24 V. 2 W. BA9s.	2
170475	Fest. T10.5	1732	24 V. 10 W. SV8.5.	1
170414	C5W	1712	24 V. 5 W. SV8.5.	1
190057	ATO blade fuse		10 Amp. Red.	1
190058	ATO blade fuse		15 Amp. Blue.	1
190059	ATO blade fuse		20 Amp. Yellow.	1
190060	ATO blade fuse		25 Amp. Natural.	1

171044

Dimensions: 210 x 95 x 60 mm.

Assortments

Edition 2021/2023

Festoon Bulbs 12 V — 809002

		Qty.
170005	Bulb Pinol, 12V, 10W, 10x28	20
170344	Bulb Pinol, 12V, 10W, 10.5x4	20
170343	Bulb Pinol, 12V, 5W, 10.5x41	20
170341	Bulb Pinol, 12V, 5W, 10.5x36	20
170411	Bulb Pinol, 12V, 10W, 10.5x3	20
170588	Bulb Pinol, 12V, 18W, 15x41	20
170590	Bulb Pinol, 12V, 3W, 8x28	20
170591	Bulb Pinol, 12V, 3W, 8.5x33	20

Wedge-Base Bulbs 12 V - I — 809003

		Qty.
170331	Bulb, T10, 12V, 3W	20
170347	Bulb, T10, 12V, 5W	20
170357	Bulb, B8.5d, 12V, 1.2W	20
170410	Bulb, T5, 12V, 1.2W	20
170545	Bulb, B8.7d, 12V, 1.2W	20
170610	Bulb, B8.5d, 12V, 2W	10
170612	Bulb, B8.3d, 12V, 1.2W	10
170611	Bulb, B8.3d, 12V, 2W	10
170617	Bulb, T5, 12V, 1.2W, Frosted	10
170698	Bulb, EBSR11, 12V, 1.8W	10
170364	Bulb, T-1/4, 14V, 1.12W	20

Wedge-Base Bulbs 12 V - II — 809005

		Qty.
170410	Bulb, T5, 12V, 1.2W	10
170727	Bulb, B8.4d, 12V, 1.2W	5
170617	Bulb, T5, 12V, 1.2W, Frosted	10
170611	Bulb, B8.3d, 12V, 2W	10
170758	Bulb, T5, 12V, 1.2W	5
170756	Bulb, B8.4d, 12V, 2W	5
170357	Bulb, B8.5d, 12V, 1,2W	10
170545	Bulb, B8.7d, 12V, 1.2W	10
170610	Bulb, B8.5d, 12V, 2W	10
170753	Bulb, F4.8, 14V, 1.4W	5
170612	Bulb, B8.3d, 12V, 1.2W	10
170752	Bulb, B10d, 12V, 5W	5
170754	Bulb, T10, 12V, 5W	5
170972	Bulb, T-3/4, 12V, 0.6W	10

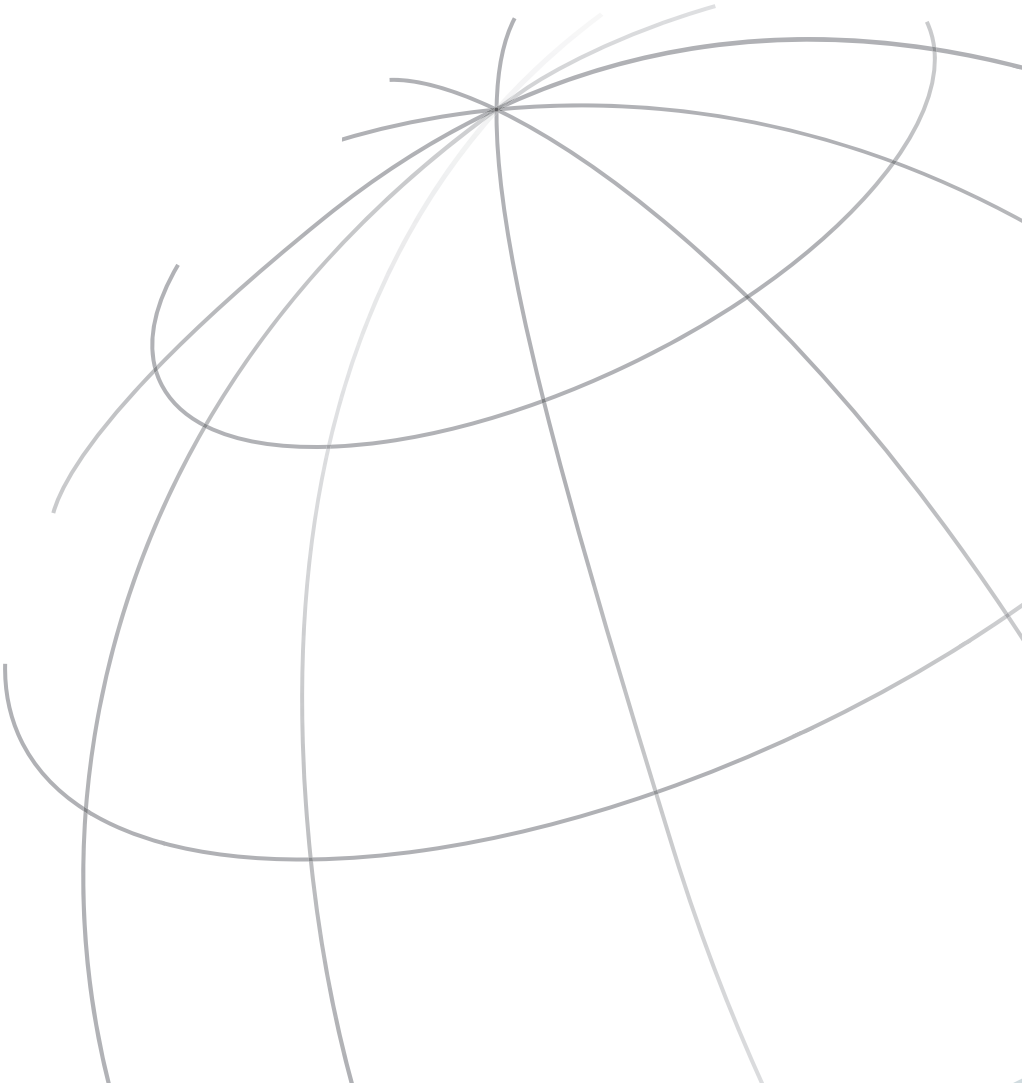
		Qty.
170698	Bulb, EBSR11, 12V, 1.8W	5
170757	Bulb, 14V, 2W	5
170762	Bulb, T-1/4NW, 14V, 0.8W	5
170732	Bulb Cover	10
170755	Bulb, T5, 12V, 0.5W	5
170347	Bulb, T10, 12V, 5W	10
170331	Bulb, T10, 12V, 3W	10
170364	Bulb, T-1/4, 14V, 1.12W	10
170731	Bulb Cover	10
170751	Bulb, B10d, 12V, 3W	5

Wedge-base Bulbs 12 V - III — 809009

		Qty.
171379	Bulb, B8.5d, 12V, 1W	10
171380	Bulb, B8.5d, 12V, 0.36W	10
171381	Bulb, B8.4d, 12V, 1.2W	10
171382	Bulb, MFHZ, 12V, 1.2W	10
171383	Bulb, B8.5d, 12V, 1.5W	10
171384	Bulb, MFJF, 12V, 1,2W	10
171455	Bulb, B8.7d, 12V, 1.2W	10
171024	Bulb, B8.5d, 12V, 1.2W	10
171388	Bulb, T5, 12V, 0.4W	10
171023	Bulb, B8.4d, 12V, 1,5W	10
171389	Bulb, T-1/4NW, 14V, 1.4W	10
171284	Bulb, BX2d, 12V, 1.2W	10
171031	Bulb, EBSR11, 12V, 1.2W	10
171033	Bulb, B8.4d, 12V, 1.12W	10

		Qty.
171391	Bulb, T7, 12V, 3W	10
170545	Bulb, B8.7d, 12V, 1.2W	10

Electrical Components



Edition 2021/2023

ISO 9001
BUREAU VERITAS
Certification

ISO 14001
BUREAU VERITAS
Certification

CAMERA & PARKING SENSORS

CCTV REAR OBSERVATION SYSTEM

160775 Rear Observation Kit Std pkg 1

Kit consisting of 1x7" monitor w/ quad: HC-CARGO 160776. 1x colour camera w/ audio: HC-CARGO 161127. 1x20 m extension cable: HC-CARGO 160611. Accessories: HC-CARGO 160610, 160612, 160613, 160672, 160880, 160993, 160784.

Voltage: 12/24

Extension cable: 20 m
Height: 140 mm
Depth: 50.8 mm
Display size: 7"
Width: 191 mm
Wide angle: 60°

Monitor: LED
Type: Camera kit
Camera type: Colour
Accessories: DVD
No./cameras: 4+1
Audio: Yes
Extra camera: w/
Infrared: w/
Split screen: Yes
Language: English

160783 Rear Observation Kit Std pkg 1

Kit consisting of 1x7" monitor: HC-CARGO 160784. 1x colour camera: HC-CARGO 161127. 1x20 m extension cabel: HC-CARGO 160611. Accessories: HC-CARGO 160610, 160612, 160613, 160672, 160880, 160776, 160993.

Voltage: 12/24

Extension cable: 20 m
Height: 140 mm
Depth: 50.8 mm
Display size: 7"
Width: 191 mm
Wide angle: 60°

Monitor: LED
Type: Camera kit
Camera type: Colour
Accessories: DVD
No./cameras: 3+1
Remote control: w/o
Audio: Yes
Extra camera: w/
Infrared: w/
Language: English

160994 Rear Observation Kit Std pkg 1

Consists: 1x7" monitor w/ remote control: HC-CARGO 160995. 1x colour camera: HC-CARGO 161043. 1x20 m extension cable: HC-CARGO 160888. Accessories: HC-CARGO 160889, 160916, 160972, 161006, 161029, 161030, 161041, 161056, 161057.

Voltage: 12-24

Extension cable: 20 m
Display size: 7"
Wide angle: 120°

Monitor: TFT-LCD
Type: Camera kit
Camera type: Colour
No./cameras: max. 2
Remote control: w/
Audio: Yes
Infrared: w/
Language: Chinese, German, English, French, Dutch, Italian, Spanish, Danish, Russian, Polish
Alternativ no.: 161046

160996 Rear Observation Kit Std pkg 1

1x20 m extension cable: HC-CARGO 160888. Accessories: HC-CARGO 160889, 160916, 160972, 161030, 161057, 161006, 161029, 161041.

Voltage: 12-24

Extension cable: 20 m
Display size: 5"
Wide angle: 120°

Monitor: TFT-LCD
Type: Camera kit
Camera type: Colour
No./cameras: max. 2
Remote control: w/
Audio: Yes
Infrared: w/
Language: Chinese, German, English, French, Dutch, Italian, Japanese, Portuguese, Spanish
Alternativ no.: 161039

161005 Rear Observation Kit Std pkg 1

Voltage: 12
Frequency: 2.4

Display size: 3.5"
Max wide transmission range: 30 m
Wide angle: 170°

Monitor: TFT-LCD
Type: Camera kit
Camera type: Colour - Wireless
No./cameras: 1
Audio: No
Infrared: w/o
Language: Chinese, German, English, French, Dutch, Italian, Japanese, Portuguese, Spanish

161039 Rear Observation Kit Std pkg 1

Monitor Mounting, w/ suction Cup: HC-CARGO 161044. Consists: 1x5" monitor: HC-CARGO 161040. 1x colour camera: HC-CARGO 161043. 1x20 m extension cable: HC-CARGO 160888. Accessories: HC-CARGO 161006, 161029, 161030, 161041, 161047, 161056, 161057, 160889, 160972, 160916.

Voltage: 12-24

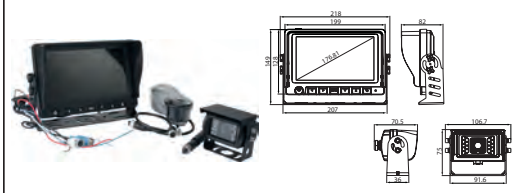
Extension cable: 20 m
Display size: 5"
Wide angle: 120°

Monitor: TFT-LCD
Type: Camera kit
Camera type: Colour
No./cameras: max. 2
Remote control: w/
Audio: Yes
Infrared: w/
Tightness norm: IP 69K (Camera)
Language: Chinese, German, English, French, Dutch, Italian, Portuguese, Spanish, Danish, Russian, Polish

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

161046 Rear Observation Kit — Std pkg 1

Monitor Mounting, w/ suction Cup: HC-CARGO 161044. Consists: 1x7" monitor: HC-CARGO 161047. 1x colour camera: HC-CARGO 161043. 1x15 m extension cable. Accessories: HC-CARGO 161029, 161030, 161040, 161041, 161056, 161057, 160888. 160889.



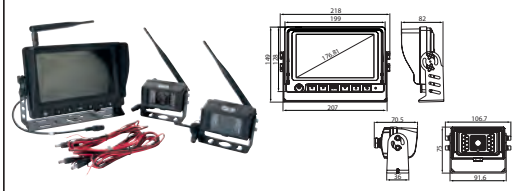
Voltage: 12-24

Extension cable: 15 m
Display size: 7"
Wide angle: 120°

Monitor: TFT-LCD
Type: Camera kit
Camera type: Colour
No./cameras: max. 2
Audio: Yes
Infrared: w/
Tightness norm: IP 69K
Language: Chinese, German, English, French, Dutch, Italian, Portuguese, Spanish, Danish, Russian, Polish

161048 Rear Observation Kit — Std pkg 1

Monitor Mounting, w/ suction Cup: HC-CARGO 161044. Consists: 1x7" monitor: HC-CARGO 161049. 2x colour camera: HC-CARGO 161050. Accessories: HC-CARGO 161036, 161033.



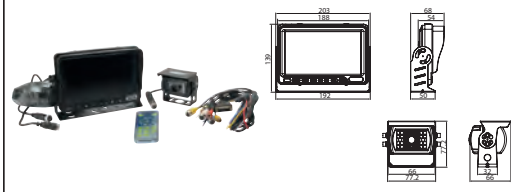
Voltage: 12-24
Frequency: 2.4

Display size: 7"
Max wide transmission range: 30 m
Wide angle: 120°

Monitor: TFT-LCD
Type: Camera kit
Camera type: Colour - Wireless
No./cameras: 2
Audio: Yes
Infrared: w/
Split screen: Yes
Tightness norm: IP 69K (Camera)
Language: English

161051 Rear Observation Kit — Std pkg 1

Monitor Mounting, w/ suction Cup: HC-CARGO 161044. Consists: 1x7" monitor: HC-CARGO 161052. 1x colour camera: HC-CARGO 161043. 1x20 m extension cable: HC-CARGO 160888. Accessories: HC-CARGO 161006, 161029, 161030, 161041, 161056, 161057, 160889, 161053, 160916.



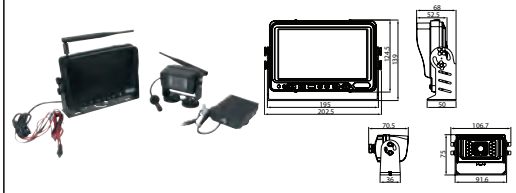
Voltage: 12-24

Extension cable: 20 m
Display size: 7"
Wide angle: 120°

Monitor: TFT-LCD
Type: Camera kit
Camera type: Colour
No./cameras: max. 4
Remote control: w/
Audio: Yes
Infrared: w/
Split screen: Yes
Tightness norm: IP 69K (Camera)
Language: Chinese, German, English, French, Dutch, Italian, Spanish, Danish, Russian, Polish

161720 Camera Kit for Forklift — Std pkg 1

Consists: 1x7" monitor: HC-CARGO 161723, 1x Camera: HC-CARGO 161721, 2x Magnet: HC-CARGO 161724, 1x Power pack: HC-CARGO 161722. Acessories: HC-CARGO 161733, 161730, 161036, 161725, 161044, 161732, 161731.



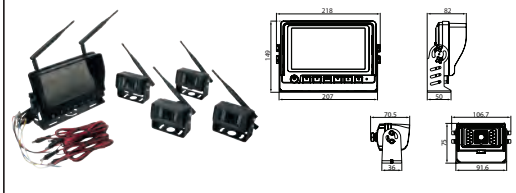
Voltage: 8-32
Frequency: 2.4

Height: 75 mm
Depth: 70.4 mm
Display size: 7"
Width: 106 mm
Max wide transmission range: 30 m
Resolution: 800x480 pixels
Wide angle: 120°

Monitor: TFT-LCD
Type: Camera kit
Camera type: Colour - Wireless
No./cameras: 1
Remote control: w/o
Audio: Yes
Infrared: w/
Split screen: Yes
Tightness norm: IP 69K (Camera)
Language: English

161726 Rear Observation Kit — Std pkg 1

16GB SD card. Consists: 1x7" monitor: HC-CARGO 161727, 4x Camera: HC-CARGO 161721. Acessories: HC-CARGO 161733, 161730, 161036, 161725, 161044, 161732, 161731.



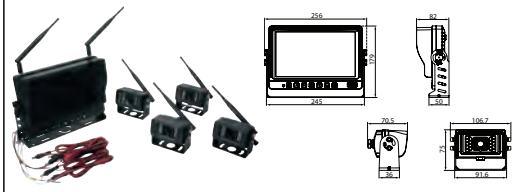
Voltage: 12-24
Frequency: 2.4

Display size: 7"
Max wide transmission range: 30 m
Resolution: 800x480 pixels
Wide angle: 120°

Monitor: TFT-LCD
Type: Camera kit
Camera type: Colour - Wireless
No./cameras: 4
Remote control: w/o
Audio: Yes
Infrared: w/
Split screen: Yes
Tightness norm: IP 69K (Camera)
Language: English

161728 Rear Observation Kit — Std pkg 1

16GB SD card. Consists: 1x9" monitor: HC-CARGO 161729, 4x Camera: HC-CARGO 161721. Acessories: HC-CARGO 161733, 161730, 161036, 161725, 161044, 161732, 161731.



Voltage: 12-24
Frequency: 2.4

Display size: 9"
Max wide transmission range: 30 m
Resolution: 800X480 pixels
Wide angle: 120°

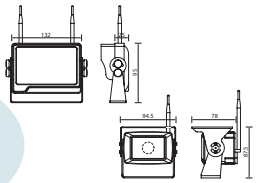
Monitor: TFT-LCD
Type: Camera kit
Camera type: Colour - Wireless
No./cameras: 4
Remote control: w/o
Audio: Yes
Infrared: w/
Split screen: Yes
Tightness norm: IP 69K (Camera)
Language: English

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

161939* Rear Observation Kit — Std pkg 1

Monitor Mounting, w/ suction Cup: HC-CARGO 161044. Aerial: HC-CARGO 161036. Consists: 1x5" monitor: HC-CARGO 161055. 2x colour camera: HC-CARGO 161058.

NEW PRODUCT
www.hc-cargo.com



EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
Voltage: 12-24	**Display size:** 5" **Max wide transmission range:** 30 m **Wide angle:** 120°	**Monitor:** PAL/NTSC **Type:** Camera kit **Camera type:** Colour - Wireless **No./cameras:** 2 **Audio:** Yes **Split screen:** Yes **Tightness norm:** IP 69K (Camera) **Language:** English **Alternativ no.:** 161054

CAMERAS

160610 CCTV Camera — Std pkg 1 — **Servicing:** HC-CARGO 160775, 160783, 160793

w/ original anoised finish and anti-fog glas. Lens: HC-CARGO 160965, 161037.

EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
Voltage: 12 **Light sensitivity:** 0.2 lux	**OD:** 30 mm **Length:** 70 mm **Connection cable:** 6 pin mini DIN **Resolution:** >330 TV lines **Shutter rate:** 1/50-1/100.000 sec. **Wide angle:** 130°	**Signal system:** PAL **Type:** Colour **Colour:** Black **Material:** Aluminium **Picture sensor:** 1/3" CCD **Microphone:** w/o **Audio:** No **Infrared:** No **Mirror function:** w/ **Connection cable:** 6 pin mini DIN **Protection degree:** IP 66

160972 Colour Camera — Std pkg 1 — **Servicing:** HC-CARGO 160994, 160996

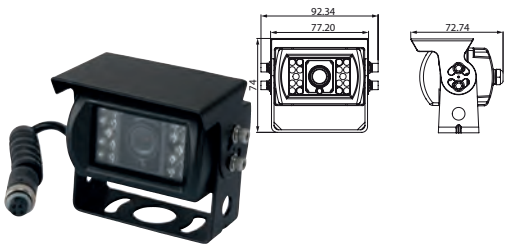
EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
Voltage: 12/24 **Light sensitivity:** 0 lux	**Connection cable:** 0.3 m 4 pin **Height:** 43 mm **Depth:** 57 mm **Width:** 75 mm **Resolution:** 480 TV lines **Wide angle:** 95°	**Signal system:** PAL/NTSC **Type:** Colour **Colour:** Black **Material:** Aluminium **Picture sensor:** 1/3" CCD **Microphone:** w/ **Audio:** Yes **Infrared:** Yes **Mirror function:** w/ **Connection cable:** 0.3 m 4 pin **Protection degree:** IP 68 **Alternativ no.:** 161043

161006 Colour Camera w/ auto close — Std pkg 1 — **Servicing:** HC-CARGO 160994, 160995, 160996

EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
Voltage: 12/24 **Light sensitivity:** 0 lux	**Connection cable:** 0.5 m 4 pin **Resolution:** 420 TV lines **Wide angle:** 140°	**Signal system:** PAL/NTSC **Type:** Colour **Colour:** Black **Material:** Aluminium **Picture sensor:** 1/3" CCD **Microphone:** w/o **Audio:** No **Infrared:** Yes **Mirror function:** w/ **Connection cable:** 0.5 m 4 pin **Protection degree:** IP 68

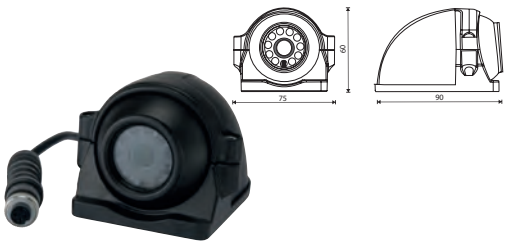
161029 Colour Camera w/ Heat. — Std pkg 1 — **Servicing:** HC-CARGO 160994, 161007, 161039, 161046, 161051

w/ heat.



EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
Voltage: 12-24 **Light sensitivity:** 0 lux	**Connection cable:** 4 pin **Height:** 74 mm **Depth:** 72.74 mm **Width:** 92.34 mm **Resolution:** 420 TV lines **Wide angle:** 120°	**Signal system:** PAL **Type:** Colour **Colour:** Black **Material:** Aluminium **Picture sensor:** 1/3" CCD **Microphone:** w/o **Audio:** No **Infrared:** Yes **Mirror function:** w/ **Connection cable:** 4 pin **Protection degree:** IP 69K

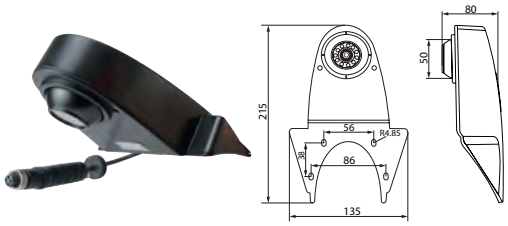
161030 Side Camera — Std pkg 1 — **Servicing:** HC-CARGO 160994, 161007, 161039, 161046, 161051



EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
Voltage: 12 **Light sensitivity:** 0 lux	**Connection cable:** 4 pin **Height:** 60 mm **Depth:** 90 mm **Width:** 75 mm **Resolution:** 420 TV lines **Wide angle:** 120°	**Signal system:** PAL **Type:** Colour **Colour:** Black **Material:** Aluminium **Picture sensor:** 1/3" CCD **Microphone:** w/o **Audio:** No **Infrared:** Yes **Mirror function:** w/o **Connection cable:** 4 pin **Protection degree:** IP 69K

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

161041 Colour camera for roof mounting Std pkg 1 **Servicing:** HC-CARGO 160994, 161007, 161039, 161046, 161051

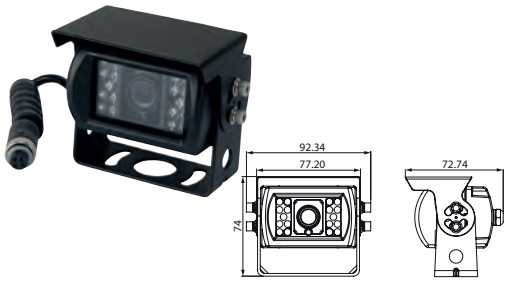


Voltage: 12
Light sensitivity: 0 lux

Connection cable: 0.35 m 4 pin
Height: 80 mm
Depth: 215 mm
Width: 135 mm
Resolution: 420 TV lines
Wide angle: 120°

Signal system: PAL/NTSC
Type: Colour
Colour: Black
Material: Aluminium
Picture sensor: 1/3" CCD
Microphone: w/o
Audio: No
Infrared: Yes
Mirror function: w/o
Connection cable: 0.35 m 4 pin
Protection degree: IP 69K

161043 Colour Camera Std pkg 1 **Servicing:** HC-CARGO 160994, 161007, 161039, 161046, 161051, 160996



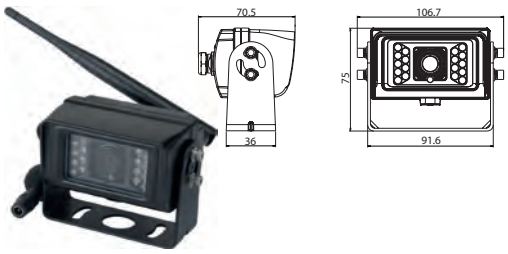
Voltage: 12
Light sensitivity: 0 lux

Connection cable: 4 pin
Height: 74 mm
Depth: 72.74 mm
Width: 92.34 mm
Resolution: 420 TV lines
Wide angle: 120°

Signal system: PAL
Type: Colour
Colour: Black
Material: Aluminium
Picture sensor: 1/3" CCD
Microphone: w/
Audio: Yes
Infrared: Yes
Mirror function: w/
Connection cable: 4 pin
Protection degree: IP 69K
Alternativ no.: 161028

161050 Colour Camera Std pkg 1 **Servicing:** HC-CARGO 161048

Aerial: HC-CARGO 161036.

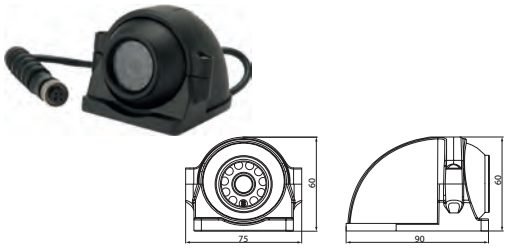


Voltage: 12-24
Light sensitivity: 0 lux

Connection cable: 4 pin
Height: 75 mm
Depth: 70.5 mm
Width: 106.7 mm
Resolution: 420 TV lines
Wide angle: 120°

Signal system: PAL/NTSC
Type: Colour - Wireless
Colour: Black
Material: Aluminium
Picture sensor: 1/4" CMOS
Microphone: w/
Audio: Yes
Infrared: Yes
Mirror function: w/
Connection cable: 4 pin
Protection degree: IP 69K

161056 Side Camera Std pkg 1 **Servicing:** HC-CARGO 160994, 161007, 161039, 161046, 161051

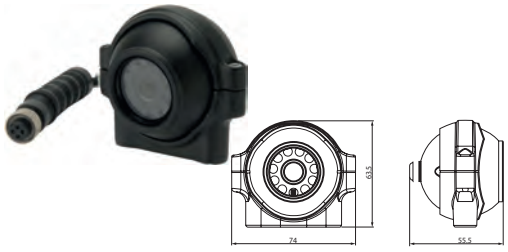


Voltage: 12
Light sensitivity: 0 lux

Connection cable: 4 pin
Height: 60 mm
Depth: 90 mm
Width: 75 mm
Resolution: 330 TV lines
Wide angle: 130°

Signal system: PAL
Type: Colour
Colour: Black
Material: Aluminium
Picture sensor: 1/3" CMOS
Microphone: w/o
Audio: No
Infrared: Yes
Mirror function: w/o
Connection cable: 4 pin
Protection degree: IP 69K

161057 Side Camera Std pkg 1 **Servicing:** HC-CARGO 160994, 161007, 161039, 161046, 161051



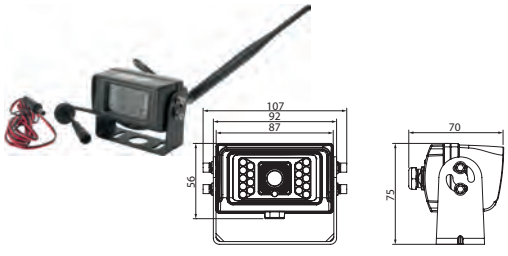
Voltage: 12
Light sensitivity: 0 lux

Connection cable: 4 pin
Height: 63.5 mm
Depth: 55.5 mm
Width: 74 mm
Resolution: 330 TV lines
Wide angle: 130°

Signal system: PAL
Type: Colour
Colour: Black
Material: Aluminium
Picture sensor: 1/3" CMOS
Microphone: w/o
Audio: No
Infrared: Yes
Mirror function: w/o
Connection cable: 4 pin
Protection degree: IP 69K

161058 Colour Camera Std pkg 1 **Servicing:** HC-CARGO 161054

Aerial: HC-CARGO 161036.



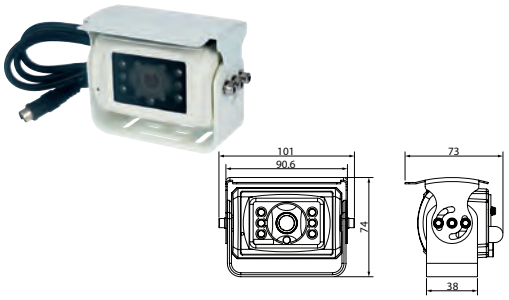
Voltage: 12-24
Light sensitivity: 0 lux

Connection cable: 4 pin
Height: 75 mm
Depth: 70 mm
Width: 107 mm
Resolution: 500 TV lines
Wide angle: 120°

Signal system: PAL/NTSC
Type: Colour - Wireless
Colour: Black
Material: Aluminium
Picture sensor: 1/3" CMOS
Microphone: w/
Audio: No
Infrared: Yes
Mirror function: w/
Connection cable: 4 pin
Protection degree: IP 69K

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

161127 Colour Camera w/ Audio — Std pkg 1 — **Servicing:** HC-CARGO 160775, 160783

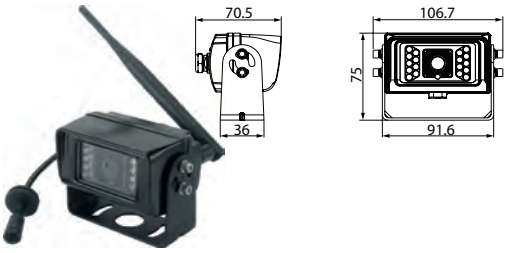


Voltage: 12
Light sensitivity: 1.5 lux

Connection cable: 6 pin mini DIN
Height: 74 mm
Depth: 73 mm
Width: 90.6 mm
Resolution: 700 TV lines
Shutter rate: 1/60-1/100.000 sec.
Wide angle: 122°

Signal system: PAL
Type: Colour
Colour: White
Material: Aluminium
Picture sensor: 1/3.2 CCD
Microphone: w/
Audio: Yes
Infrared: Yes
Mirror function: w/
Connection cable: 6 pin mini DIN
Protection degree: IP 68
Alternativ no.: 161038

161721 Camera — Std pkg 1 — **Servicing:** HC-CARGO 161720, 161726, 161728

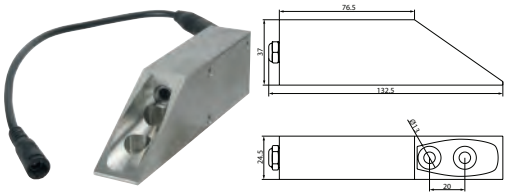


Voltage: 11-32
Light sensitivity: 0 lux

Connection cable: 4 pin
Height: 75 mm
Depth: 70.5 mm
Width: 106 mm
Resolution: 600 TV lines
Wide angle: 120°

Signal system: PAL/NTSC
Type: Colour - Wireless
Colour: Black
Material: Aluminium
Picture sensor: 1/3" CMOS
Microphone: w/
Audio: Yes
Infrared: Yes
Connection cable: 4 pin
Protection degree: IP 69K

161733 Camera — Std pkg 1 — **Servicing:** HC-CARGO 161720, 161726, 161728



Voltage: 12/24
Light sensitivity: 1 lux

Connection cable: 4 pin
Height: 37 mm
Depth: 124 mm
Width: 25 mm
Resolution: 600 TV lines
Wide angle: 50°

Signal system: PAL/NTSC
Type: Colour - Wireless
Colour: Silver
Material: Steel
Picture sensor: 1/3" CMOS
Microphone: w/
Audio: Yes
Infrared: Yes
Connection cable: 4 pin
Protection degree: IP 67

MONITORS

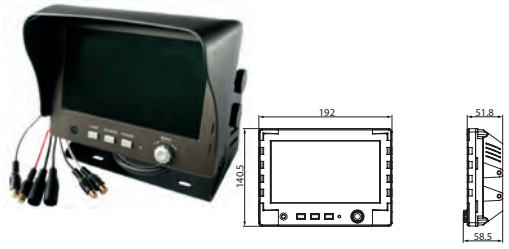
160776 Monitor — Std pkg 1 — **Servicing:** HC-CARGO 160775

Voltage: 12/24

Height: 140.5 mm
Depth: 51.8 mm
Display size: 7"
Width: 192 mm
Resolution: 2400x480 pixels

Signal system: PAL/NTSC
Type: LED
Camera type: Colour
Mount. bracket: w/
Remote control: w/o
Loudspeaker: w/
Audio: Yes
Mirror function: w/
Language: English

160784 Monitor — Std pkg 1 — **Servicing:** HC-CARGO 160783



Voltage: 12/24

Height: 140.5 mm
Depth: 51.8 mm
Display size: 7"
Width: 192 mm
Resolution: 2400x480 pixels

Signal system: PAL/NTSC
Type: TFT-LCD
Camera type: Colour
Mount. bracket: w/
Remote control: w/o
Loudspeaker: w/
Audio: Yes
Mirror function: w/
Language: English
Alternativ no.: 160776

160995 Monitor — Std pkg 1 — **Servicing:** HC-CARGO 160994, 161039, 161046

Voltage: 12-24

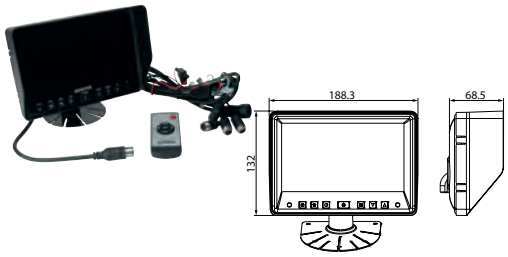
Display size: 7"
Resolution: 400x234 pixels

Signal system: PAL/NTSC
Type: TFT-LCD
Camera type: Colour
Mount. bracket: w/
Remote control: w/
Loudspeaker: w/
Audio: Yes
Mirror function: w/o
Language: Chinese, German, English, French, Dutch, Italian, Japanese, Portuguese, Spanish
Alternativ no.: 161034

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

161007 Monitor 7" Waterproof — Std pkg 1

Side Camera: HC-CARGO 161030, 161056, 161057. Colour camera: HC-CARGO 161041, 161029, 161006, 161043. Accessories: HC-CARGO 160888, 160889, 160916.



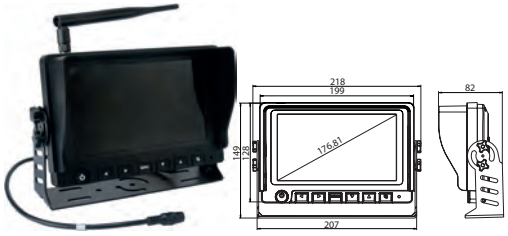
Voltage: 12-24

Display size: 7"
Resolution: 800x480 pixels

Signal system: PAL/NTSC
Type: TFT-LCD
Camera type: Colour
Remote control: w/
Loudspeaker: w/o
Audio: No
Mirror function: w/
Protection degree: IP 67
Language: Chinese, German, English, French, Dutch, Italian, Japanese, Portuguese, Spanish

161032 Monitor — Std pkg 1 — **Servicing:** HC-CARGO 161048

Aerial: HC-CARGO 161036.

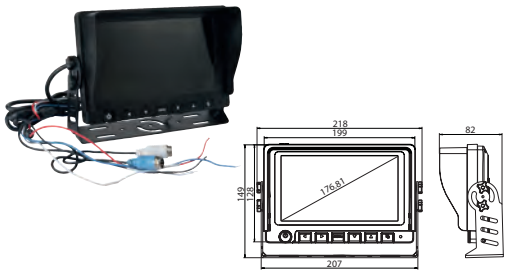


Voltage: 12-24

Height: 149 mm
Depth: 82 mm
Display size: 7"
Width: 218 mm
Resolution: 800x480 pixels

Signal system: PAL
Type: TFT-LCD
Camera type: Colour - Wireless
Mount. bracket: w/
Remote control: w/o
Loudspeaker: w/
Audio: Yes
Mirror function: w/
Language: English
Alternativ no.: 161049

161034 Monitor — Std pkg 1 — **Servicing:** HC-CARGO 161046

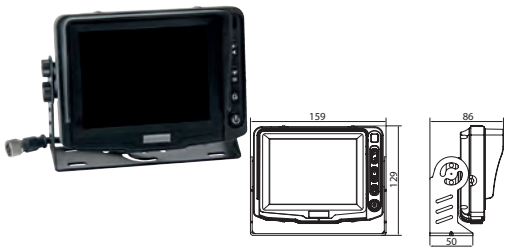


Voltage: 12-24

Height: 149 mm
Depth: 82 mm
Display size: 7"
Width: 218 mm
Resolution: 800x480 pixels

Signal system: PAL/NTSC
Type: TFT-LCD
Camera type: Colour
Mount. bracket: w/
Remote control: w/o
Loudspeaker: w/
Audio: Yes
Mirror function: w/
Language: Chinese, German, English, French, Dutch, Italian, Portuguese, Spanish, Danish, Russian, Polish
Alternativ no.: 161047

161040 Monitor — Std pkg 1 — **Servicing:** HC-CARGO 161039, 161046, 160994, 160996



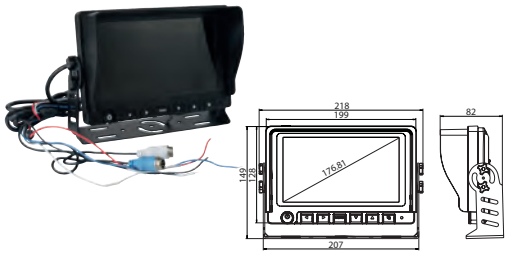
Voltage: 12-24

Display size: 5"
Resolution: 640x480 pixels

Signal system: PAL/NTSC
Type: TFT-LCD
Camera type: Colour
Mount. bracket: w/
Remote control: w/
Loudspeaker: w/
Audio: Yes
Mirror function: w/
Language: Chinese, German, English, French, Dutch, Italian, Portuguese, Spanish, Danish, Russian, Polish

161047 Monitor — Std pkg 1 — **Servicing:** HC-CARGO 161046

Monitor Mounting, w/suction Cup: HC-CARGO 161044.



Voltage: 12-24

Height: 149 mm
Depth: 82 mm
Display size: 7"
Width: 218 mm
Resolution: 800x480 pixels

Signal system: PAL/NTSC
Type: TFT-LCD
Camera type: Colour
Mount. bracket: w/
Remote control: w/o
Loudspeaker: w/
Audio: Yes
Mirror function: w/
Language: Chinese, German, English, French, Dutch, Italian, Portuguese, Spanish, Danish, Russian, Polish

161049 Monitor — Std pkg 1 — **Servicing:** HC-CARGO 161048

Monitor Mounting, w/suction Cup: HC-CARGO 161044. Aerial: HC-CARGO 161036.

Voltage: 12-24

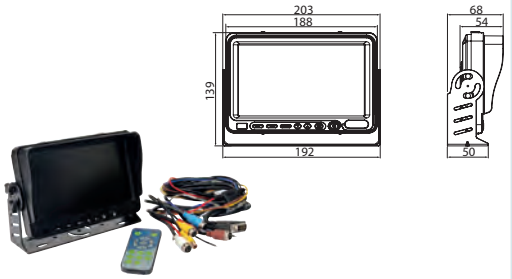
Height: 149 mm
Depth: 82 mm
Display size: 7"
Width: 218 mm
Resolution: 800x400 pixels

Signal system: PAL/NTSC
Type: TFT-LCD
Camera type: Colour - Wireless
Mount. bracket: w/
Remote control: w/o
Loudspeaker: w/
Audio: Yes
Mirror function: w/
Language: English

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

161052 Monitor — Std pkg 1 — **Servicing:** HC-CARGO 161051

Monitor Mounting, w/suction Cup: HC-CARGO 161044.



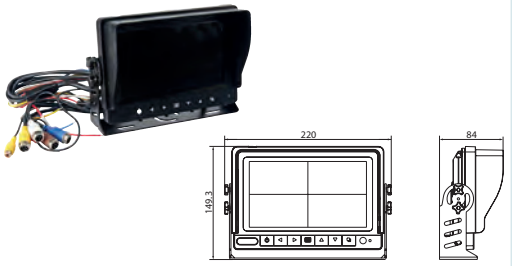
Voltage: 12-24

Height: 139 mm
Depth: 68 mm
Display size: 7"
Width: 203 mm
Resolution: 800x480 pixels

Signal system: PAL/NTSC
Type: TFT-LCD
Camera type: Colour
Mount. bracket: w/
Remote control: w/
Loudspeaker: w/
Audio: Yes
Mirror function: w/
Language: Chinese, German, English, French, Dutch, Italian, Spanish, Danish, Russian, Polish

161053 Monitor — Std pkg 1 — **Servicing:** HC-CARGO 161051

Monitor Mounting, w/suction Cup: HC-CARGO 161044.



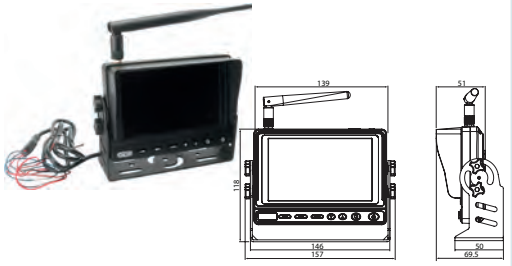
Voltage: 12-24

Height: 149.3 mm
Depth: 84 mm
Display size: 7"
Width: 220 mm
Resolution: 800x480 pixels

Signal system: PAL/NTSC
Type: TFT-LCD
Camera type: Colour
Remote control: w/o
Audio: No
Mirror function: w/
Protection degree: IP 68
Language: English

161055 Monitor — Std pkg 1 — **Servicing:** HC-CARGO 161054

Monitor Mounting, w/suction Cup: HC-CARGO 161044. Aerial: HC-CARGO 161036.

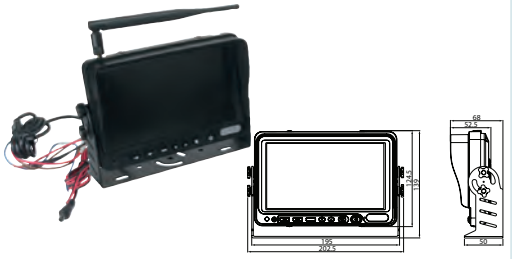


Voltage: 12-24

Height: 118 mm
Depth: 69.5 mm
Display size: 5"
Width: 157 mm
Resolution: 800x480 pixels

Signal system: PAL/NTSC
Type: TFT-LCD
Camera type: Colour - Wireless
Mount. bracket: w/
Remote control: w/o
Audio: No
Mirror function: w/
Language: English

161723 Monitor — Std pkg 1 — **Servicing:** HC-CARGO 161720

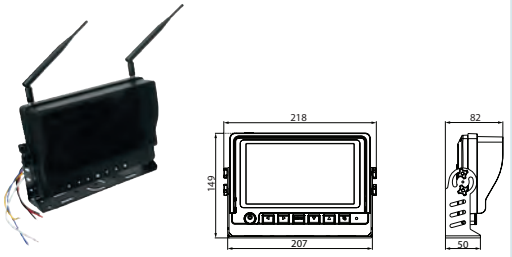


Voltage: 12-24

Height: 122 mm
Depth: 28 mm
Display size: 7"
Width: 185 mm
Resolution: 800x480 pixels

Signal system: PAL/NTSC
Type: TFT-LCD
Camera type: Colour - Wireless
Remote control: w/o
Loudspeaker: w/
Audio: Yes
Mirror function: w/
Language: English

161727 Monitor 7" — Std pkg 1 — **Servicing:** HC-CARGO 161726

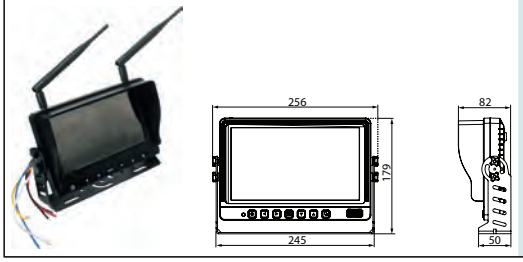


Voltage: 8-32

Height: 149 mm
Depth: 82 mm
Display size: 7"
Width: 218 mm
Resolution: 800x480 pixels

Signal system: PAL/NTSC
Type: TFT-LCD
Camera type: Colour - Wireless
Mount. bracket: w/
Remote control: w/o
Loudspeaker: w/
Audio: Yes
Mirror function: w/
Language: English

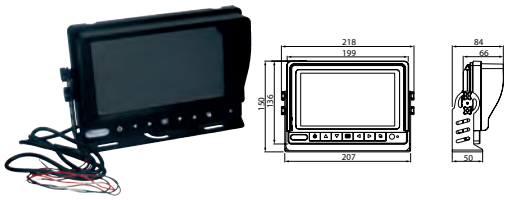
161729 Monitor — Std pkg 1 — **Servicing:** HC-CARGO 161728



Voltage: 8-32

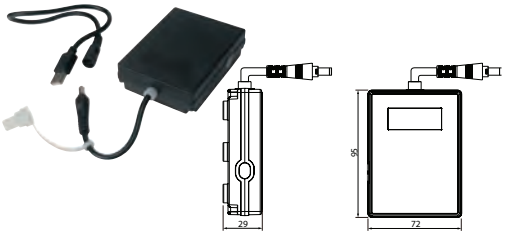
Height: 179 mm
Depth: 82 mm
Display size: 9"
Width: 256 mm
Resolution: 800x480 pixels

Signal system: PAL/NTSC
Type: TFT-LCD
Camera type: Colour - Wireless
Remote control: w/o
Loudspeaker: w/
Audio: Yes
Mirror function: w/
Language: English

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
161730 Monitor — Std pkg 1 — **Servicing:** HC-CARGO 161720, 161726, 161728			
	**Voltage:** 8-32	**Height:** 149 mm **Depth:** 84 mm **Display size:** 7" **Width:** 220 mm **Resolution:** 800x480 pixels	**Signal system:** PAL/NTSC **Type:** TFT-LCD **Camera type:** Colour - Wireless **Mount. bracket:** w/ **Remote control:** w/o **Loudspeaker:** w/ **Audio:** Yes **Mirror function:** w/ **Protection degree:** IP 68 **Language:** English

ACCESSORIES

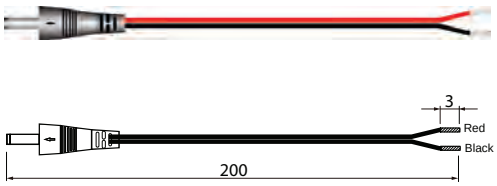
160611 CCTV Extension Cable — Std pkg 1 — **Servicing:** HC-CARGO 160775, 160783, 160793			
		Length: 20 m	**Plug:** Mini DIN 6 pin
160612 CCTV Extension Cable — Std pkg 1 — **Servicing:** HC-CARGO 160775, 160783, 160793			
		Length: 15 m	**Plug:** Mini DIN 6 pin
160613 CCTV Extension Cable — Std pkg 1 — **Servicing:** HC-CARGO 160775, 160783, 160793			
		Length: 10 m	**Plug:** Mini DIN 6 pin
160672 CCTV Extension Cable — Std pkg 1 — **Servicing:** HC-CARGO 160775, 160783, 160793			
		Length: 6 m	**Plug:** Mini DIN 6 pin
160888 CCTV Extension Cable — Std pkg 1 — **Servicing:** HC-CARGO 160994, 160996, 161039, 161051			
		Length: 20 m	**Plug:** 4 pin
160889 CCTV Extension Cable — Std pkg 1 — **Servicing:** HC-CARGO 160994, 160996, 161027			
		Length: 10 m	**Plug:** 4 pin

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
160916 Trailer Cable Kit Std pkg 1	**Servicing:** HC-CARGO 160994, 160996		
		Cable from socket to camera: 20 m **Cable from socket to monitor:** 5 m **Coil length:** 3 m	**Plug:** 4 pin
160993 Trailer Cable Kit Std pkg 1	**Servicing:** HC-CARGO 160775		
		Cable from socket to camera: 20 m **Cable from socket to monitor:** 5 m **Coil length:** 2 m	**Plug:** Mini DIN 6 pin
161036 Aerial Std pkg 1	**Servicing:** HC-CARGO 161032, 161033, 161048, 161049, 161050, 161054, 161055, 161058		
			Colour: Black **Material:** Rubber
161044 Monitor Mounting, w/suction Cup Std pkg 1	**Servicing:** HC-CARGO 161039, 161046, 161047, 161048, 161049, 161051, 161052, 161053, 161054, 161055		
Suction.			
		Length: 220 mm	**Colour:** Black
161722 Power bank Std pkg 1	**Servicing:** HC-CARGO 161048, 161054, 161720, 161726, 161728		
Battery lifetime 8 hrs.			
	**Voltage/in:** 5 **Miliamp:** 10.000 **Amp/standby:** 10 **Watt/cont.:** 10 **Watt/cont. 2:** 7	**Dim.:** 95x72x29 mm	**Type:** Li-ion **USB plug:** w/ **Protection degree:** IP 66 **Approval:** CE
161724 Magnet Std pkg 1			
		Height: 6 mm **Width:** 43 mm	
161725 Aerial Std pkg 1	**Servicing:** HC-CARGO 161048, 161054, 161720, 161726, 161728		
		Cable length: 2500 mm	**Mount.:** 1 magnet **Colour:** Black

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

161731 DC Connector — Std pkg 1

Servicing: HC-CARGO 161048, 161054, 161720, 161726, 161728, 161924



Cable length: 200 m

161732 Cigar Plug — Std pkg 1

Servicing: HC-CARGO 11048, 161054, 161720, 161726, 161728

PARKING SENSORS

160884 Parking Sensor — Std pkg 1

4 sensors. Wireless.

Voltage: 9-14

Dim. display: 128x27x22 mm
Sensor dia.: 20 mm

160930 Parking Sensor — Std pkg 1

8 sensors. Wireless.

Voltage: 9-14

Dim. display: 128x27x22 mm
Sensor dia.: 20 mm

Connection: Wireless
Colour: Black

ACOUSTIC WARNING

REVERSING ALARMS

160346 Reversing Alarm — Std pkg 1

w/ "beep-beep" warning sound.

Voltage: 12
Decibel: 90

Bulb type: Halogen
Socket type: BA15S
ADR-approved: No

160410 Reversing Alarm — Std pkg 1

w/ "beep-beep" warning sound.

Voltage: 24
Decibel: 90

Bulb type: Halogen
Socket type: BA15S
ADR-approved: No

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

160481 Reversing Alarm — Std pkg 1

Voltage: 12/24
Amp: 0.25
Decibel: 96
Hertz: 2500

Overvoltage: Yes
Waterproof: Yes
ADR-approved: No

160482 Reversing Alarm — Std pkg 1

Night attenuation, excluding when fog lights are on. RED LEAD- To reverse lamp, BLACK LEAD- To earth, ORANGE LEAD- To side lamp (night silent mode), GREEN LEAD- To fog lamp (night silent override).

Voltage: 12/24
Amp: 0.25
Decibel: 100
Hertz: 980

Overvoltage: Yes
Waterproof: Yes
ADR-approved: Yes

160689 Reversing Alarm — Std pkg 1

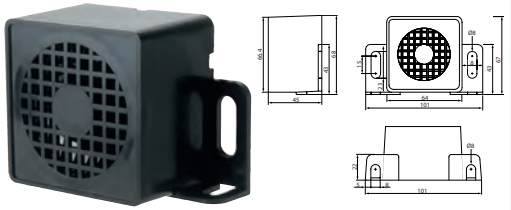
MARCO

Voltage: 12/80
Miliamp: 30
Decibel: 85
Hertz: 3200

Type: Buzzer
Waterproof: Yes
ADR-approved: No

161125 Reversing Alarm — Std pkg 1

Soft tone alarm ideal for built up areas where noise pollution may be an issue.

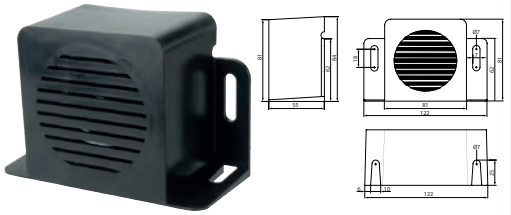


Voltage: 12/24
Miliamp: 0.50
Decibel: 88

Overvoltage: Yes
Waterproof: Yes

161126 Reversing Alarm — Std pkg 1

Soft tone alarm ideal for built up areas where noise pollution may be an issue.



Voltage: 12/24
Miliamp: 0.50
Decibel: 92

Overvoltage: Yes
Waterproof: Yes

BUZZERS

160533 Warning Buzzer — Std pkg 1

Voltage: 24
Miliamp: 30
Decibel: 85
Hertz: 400±100

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

160534 Warning Buzzer — Std pkg 1

Voltage: 12
Miliamp: 30
Decibel: 85
Hertz: 400±100

HORNS

ELECTRICAL

160036 Twin Fanfare Horn — Std pkg 1

Red w/ chromium grill.

Voltage: 12
Amp: 9
Decibel: 110
Hertz: 405-500

Relay: w/
Marine: No
E-approval: Yes

160393 Horn — Std pkg 1

2 terminals. w/ bracket.

MARCO

Voltage: 36-48
Amp: 1
Decibel: 112
Hertz: 420

OD: 100 mm

Type: Single tone
Material: Steel
Marine: No
E-approval: Yes

160414 Horn — Std pkg 1

Model EM2.

MARCO

Voltage: 24
Amp: 4
Decibel: 118
Hertz: 370

Length: 400 mm

Type: Single tone
Material: Chromed brass
Relay: w/o
Marine: Yes

160415 Horn — Std pkg 1

Model EM2.

MARCO

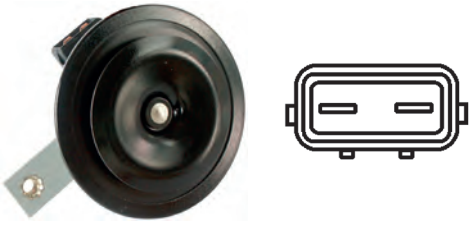
Voltage: 12
Amp: 5
Decibel: 118
Hertz: 370

Length: 400 mm

Type: Single tone
Material: Chromed brass
Relay: w/o
Marine: Yes

160658 Horn — Std pkg 1 — **Servicing:** VW - Visit our web catalogue for further information

w/ K- Jetronic connection. w/ bracket.



Voltage: 12
Amp: <1
Hertz: 335

OD: 100 mm

Type: Single tone
Material: Steel
Marine: No
E-approval: Yes

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

160712 Horn — Std pkg 1 — **Servicing:** VW - Visit our web catalogue for further information

2 poles.

MARCO

EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
Voltage: 12 **Decibel:** 112 **Hertz:** 500-420	**OD:** 82 mm **Length:** 117 mm	**Type:** Dual tone **Relay:** w/ **Marine:** No **E-approval:** Yes

160746 Horn — Std pkg 1 — **Servicing:** Scooters and motor cycles - Visit our web catalogue for further information

2 terminals. w/ bracket.

MARCO

EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
Voltage: 12 **Amp:** 1-1.4 **Decibel:** 109 **Hertz:** 410-550	**OD:** 70 mm	**Type:** Single tone **Material:** Steel **Marine:** No **E-approval:** Yes

160827 Horn — Std pkg 1

MARCO

EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
Voltage: 24 **Amp:** 5 **Decibel:** 112 **Hertz:** 500-420	**OD:** 80 mm **Length:** 117 mm	**Type:** Dual tone **Relay:** w/ **Marine:** No **E-approval:** Yes

160986 Horn — Std pkg 1

2 terminals. w/ bracket.

MARCO

EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
Voltage: 12 **Amp:** 3.5 **Decibel:** 112 **Hertz:** 420	**OD:** 90 mm	**Type:** Single tone **Material:** Steel **Marine:** No **E-approval:** Yes

160987 Horn — Std pkg 1

2 terminals. w/ bracket.

MARCO

EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
Voltage: 24 **Amp:** 2.5 **Decibel:** 112 **Hertz:** 420	**OD:** 90 mm	**Type:** Single tone **Material:** Steel **Marine:** No **E-approval:** Yes

160988 Horn — Std pkg 1

2 terminals. w/ bracket.

EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
Voltage: 12 **Amp:** 3.5 **Decibel:** 112 **Hertz:** 335	**OD:** 90 mm	**Type:** Single tone **Material:** Steel **Marine:** No **E-approval:** Yes

160989 Horn — Std pkg 1

2 terminals. w/ bracket.

EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
Voltage: 24 **Amp:** 2.5 **Decibel:** 112 **Hertz:** 335	**OD:** 90 mm	**Type:** Single tone **Material:** Steel **Marine:** No **E-approval:** Yes

AIR HORNS

160002 Compressor Horn — Std pkg 1

w/ parts. Y-Connector: HC-CARGO 160042.

Voltage: 12
Amp: 16
Decibel: 117
Hertz: 630-795

Type: Dual tone
Material: Shockproof plastic
Relay: w/
E-approval: Yes

160038 Pneumatic Horn — Std pkg 1

Operating pressure 500-1200 kPa. For trucks equipped w/ on-board air. Compressor: HC-CARGO 160333, 160334.

Decibel: 118
Hertz: 330/370

OD: 80 mm
Length: 390 mm

Type: Dual tone
Material: Chromed Metal
E-approval: Yes

160048 Marine Horn — Std pkg 1

To be powered by electric air compressor: HC-CARGO 160213. Audibility at least 1600 mtr. over open water.

Decibel: 120
Hertz: 380

Length: 385 mm
Capacity: 72 l/min

Material: Stainless steel
Marine: Yes

160355 Pneumatic Horn — Std pkg 1 — **Servicing:** Trucks - Visit our web catalogue for further information

Operating pressure 30-1200 kPa. Equipped w/ on-board air.

Decibel: 118
Hertz: 210

OD: 160 mm
Length: 600 mm

Type: Single tone
Material: Chromed Metal
E-approval: Yes

160356 Pneumatic Horn — Std pkg 1 — **Servicing:** Trucks - Visit our web catalogue for further information

Operating pressure 30-1200 kPa. Equipped w/ on-board air.

Decibel: 118
Hertz: 190

OD: 160 mm
Length: 680 mm

Type: Single tone
Material: Chromed Metal

160508 Compressor Horn — Std pkg 1

Y-Connector: HC-CARGO 160042.

Voltage: 24
Amp: 8
Decibel: 118
Hertz: 692-756

Type: Dual tone
Material: Shockproof plastic
Relay: w/
E-approval: Yes

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

160632 Marine Air Horn — Std pkg 1

MARCO

Voltage: 24
Decibel: 117
Hertz: 228

Length: 500 mm

Material: Stainless steel
Marine: Yes

160744 Compressor Horn — Std pkg 1 — **Servicing:** Boats until 12 m - Visit our web catalogue for further information

Electro pneumatic horn w/ integrated compressor.

MARCO

Voltage: 24
Decibel: 120
Hertz: 300

Length:
120x190x120 mm

Type: Single tone
Material: ASA plastic
Relay: w/
Marine: Yes

160756 Marine Air Horn — Std pkg 1

Approvals: Rina ELE/35398/2. Lloyds register MSA 9800031.

MARCO

Voltage: 24
Decibel: 123
Hertz: 630

OD: 200 mm
Length: 460 mm

Type: Single tone
Material: Enameled Brass
Marine: Yes

SPARE PARTS

160039 Electric Valve — Std pkg 1

For Compressor horn.

MARCO

Voltage: 24

160042 Y-Connector — Std pkg 10 — **Servicing:** HC-CARGO 160002, 160508

MARCO

160213 Compressor — Std pkg 1 — **Servicing:** HC-CARGO 160048

MARCO

Voltage: 24

OD: 90 mm
Length: 165 mm
Pressure: 2 bar

Material: Aluminium
Relay: w/
Marine: Yes

160333 Compressor — Std pkg 1 — **Servicing:** HC-CARGO 160038

Approved for boats until 12 mtr.

MARCO

Voltage: 12

OD: 70 mm
Length: 112 mm
Pressure: 1.5 bar

Type: 1, 2 and 3 tones
Material: Aluminium
Relay: w/
Marine: Yes

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
160334 Compressor Std pkg 1	**Servicing:** HC-CARGO 160038		
MARCO	**Voltage:** 24	**OD:** 70 mm **Length:** 112 mm **Pressure:** 1.5 bar	**Type:** 1, 2 and 3 tones **Material:** Aluminium **Relay:** w/ **Marine:** Yes
190097 PA Hose 8 mm Std pkg 50			
		ID: 8 mm **OD:** 11.6 mm **Length:** 50 m **Temp.:** -15 - +60 °C	

POWER MANAGEMENT COMPONENTS

VOLTAGE CONVERTERS

160899 Trailer Light Converter Adapter Std pkg 1			
Max. output 220 W. 7-13 pole.			
	Voltage/in: 24 **Voltage/out:** 12 **Watt/out:** 6x70		**Type:** Switch mode
160900 Trailer Light Converter Adapter Std pkg 1			
Max. output 220 W. 7-7 pole.			
	Voltage/in: 24 **Voltage/out:** 12 **Watt/out:** 6x70		**Type:** Switch mode
160901 Trailer Light Converter Std pkg 1			
Output: 2x21 W + 4x60 W. To be used when HC-CARGO 160899 and 160900 are not suited.			
	Voltage/in: 24 **Voltage/out:** 12 **Amp/idling:** 0		

NON INSULATED

160306 Voltage Converter Std pkg 1			
	Voltage/in: 24 **Voltage/out:** 12 **Amp/5 min.:** 18 **Amp/cont.:** 12	**Dim.:** 127X87X50 mm	**Type:** Switch mode/uninsulated **Protection against overcurrent:** Yes **Protection against overheating:** Yes **Protection against overvoltage:** Yes **Protection against reverse connection:** Yes **Protection against transients:** Yes **Approval:** CE

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
160387 Voltage Converter Std pkg 1			
	Voltage/in: 24 **Voltage/out:** 12 **Amp/5 min.:** 6 **Amp/cont.:** 3	**Dim.:** 67x87x50 mm	**Type:** Switch mode/uninsulated **Protection against overcurrent:** Yes **Protection against overheating:** Yes **Protection against overvoltage:** Yes **Protection against reverse connection:** Yes **Protection against transients:** Yes **Approval:** CE
160388 Voltage Converter Std pkg 1			
	Voltage/in: 24 **Voltage/out:** 12 **Amp/5 min.:** 10 **Amp/cont.:** 6	**Dim.:** 89x87x50 mm	**Type:** Switch mode/uninsulated **Protection against overcurrent:** Yes **Protection against overheating:** Yes **Protection against overvoltage:** Yes **Protection against reverse connection:** Yes **Protection against transients:** Yes **Approval:** CE
160389 Voltage Converter Std pkg 1			
	Voltage/in: 24 **Voltage/out:** 12 **Amp/5 min.:** 30 **Amp/cont.:** 24	**Dim.:** 167x87x50 mm	**Type:** Switch mode/uninsulated **Protection against overcurrent:** Yes **Protection against overheating:** Yes **Protection against overvoltage:** Yes **Protection against reverse connection:** Yes **Protection against transients:** Yes **Approval:** CE
160640 Converter Std pkg 1			
	Voltage/in: 24 **Voltage/out:** 12 **Amp/5 min.:** 60 **Amp/cont.:** 50	**Dim.:** 283x125x74 mm	**Type:** Switch mode/uninsulated **Protection against overcurrent:** Yes **Protection against overheating:** Yes **Protection against overvoltage:** Yes **Protection against reverse connection:** Yes **Protection against transients:** Yes **Approval:** CE
160642 Converter Std pkg 1			
	Voltage/in: 12 **Voltage/out:** 24 **Amp/cont.:** 3 **Watt/out:** 72	**Dim.:** 89x87x50 mm	**Type:** Switch mode/uninsulated **Protection against overcurrent:** Yes **Protection against overheating:** Yes **Protection against overvoltage:** Yes **Protection against reverse connection:** Yes **Protection against transients:** Yes **Approval:** CE
160646 Converter Std pkg 1			
	Voltage/in: 12 **Voltage/out:** 24 **Amp/cont.:** 10 **Watt/out:** 240	**Dim.:** 217x87x50 mm	**Type:** Switch mode/uninsulated **Protection against overcurrent:** Yes **Protection against overheating:** Yes **Protection against overvoltage:** Yes **Protection against reverse connection:** Yes **Protection against transients:** Yes **Approval:** CE
161072 Voltage Converter Std pkg 1			
	Voltage/in: 12 **Voltage/out:** 24 **Amp/cont.:** 16 **Watt/out:** 400	**Dim.:** 233x125x74 mm	**Type:** Switch mode/uninsulated **Protection against overcurrent:** Yes **Protection against overheating:** Yes **Protection against overvoltage:** Yes **Protection against reverse connection:** Yes **Protection against transients:** Yes **Approval:** CE

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

161073 Voltage Converter Std pkg 1

Voltage/in: 12
Voltage/out: 24
Amp/cont.: 25
Watt/out: 600

Dim.: 283x125x74 mm

Type: Switch mode/uninsulated
Protection against overcurrent: Yes
Protection against overheating: Yes
Protection against overvoltage: Yes
Protection against reverse connection: Yes
Protection against transients: Yes
Approval: CE

161080 Voltage Converter Std pkg 1

Voltage/in: 24
Voltage/out: 12
Amp/5 min.: 22
Amp/cont.: 18

Dim.: 167x87x50 mm

Type: Switch mode/uninsulated
Protection against overcurrent: Yes
Protection against overheating: Yes
Protection against overvoltage: Yes
Protection against reverse connection: Yes
Protection against transients: Yes
Approval: CE

INSULATED

160390 Voltage Converter Std pkg 1

The converter is supplied w/ an unique clip mounting bracket. The converter is intended for use w/ the same equipment as HC-CARGO 160387, but for systems where full isolation is required e.g. marine electrical systems and vehicles for petroche. Instruction included.

Voltage/in: 24
Voltage/out: 12
Amp/5 min.: 6
Amp/cont.: 3

Dim.: 89x87x50 mm

Type: Switch mode/isolated
Protection against overcurrent: Yes
Protection against overheating: Yes
Protection against overvoltage: Yes
Protection against reverse connection: Yes
Protection against transients: Yes
Approval: CE

160391 Voltage Converter Std pkg 1

The converter is supplied w/ an unique clip mounting bracket. The converter is intended for use w/ the same equipment as HC-CARGO 160388, but for systems where full isolation is required e.g. marine electrical systems and vehicles for petroche. Instruction included.

Voltage/in: 24
Voltage/out: 12
Amp/5 min.: 10
Amp/cont.: 6

Dim.: 127X87X50 mm

Type: Switch mode/isolated
Protection against overcurrent: Yes
Protection against overheating: Yes
Protection against overvoltage: Yes
Protection against reverse connection: Yes
Protection against transients: Yes
Approval: CE

160392 Voltage Converter Std pkg 1

The converter is supplied w/ an unique clip mounting bracket. The converter is intended for use w/ the same equipment as HC-CARGO 160306, but for systems where full isolation is required e.g. marine electrical systems and vehicles for petroche. Instruction included.

Voltage/in: 24
Voltage/out: 12
Amp/5 min.: 18
Amp/cont.: 12

Dim.: 167x87x50 mm

Type: Switch mode/isolated
Protection against overcurrent: Yes
Protection against overheating: Yes
Protection against overvoltage: Yes
Protection against reverse connection: Yes
Protection against transients: Yes
Approval: CE

160644 Converter Std pkg 1

Voltage/in: 12
Voltage/out: 24
Amp/cont.: 7
Watt/out: 168

Dim.: 167x87x50 mm

Type: Switch mode/isolated
Protection against overcurrent: Yes
Protection against overheating: Yes
Protection against overvoltage: Yes
Protection against reverse connection: Yes
Protection against transients: Yes
Approval: CE

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
161074 Voltage Converter Std pkg 1			
	Voltage/in: 24 **Voltage/out:** 24 **Amp/cont.:** 3 **Watt/out:** 72	**Dim.:** 127X87X50 mm	**Type:** Switch mode/isolated **Protection against overcurrent:** Yes **Protection against overheating:** Yes **Protection against overvoltage:** Yes **Protection against reverse connection:** Yes **Protection against transients:** Yes **Approval:** CE
161075 Voltage Converter Std pkg 1			
	Voltage/in: 24 **Voltage/out:** 24 **Amp/cont.:** 4.5 **Watt/out:** 108	**Dim.:** 167x87x50 mm	**Type:** Switch mode/isolated **Protection against overcurrent:** Yes **Protection against overheating:** Yes **Protection against overvoltage:** Yes **Protection against reverse connection:** Yes **Protection against transients:** Yes **Approval:** CE
161076 Voltage Converter Std pkg 1			
	Voltage/in: 24 **Voltage/out:** 24 **Amp/cont.:** 7 **Watt/out:** 168	**Dim.:** 217x87x50 mm	**Type:** Switch mode/isolated **Protection against overcurrent:** Yes **Protection against overheating:** Yes **Protection against overvoltage:** Yes **Protection against reverse connection:** Yes **Protection against transients:** Yes **Approval:** CE
161077 Voltage Converter Std pkg 1			
	Voltage/in: 24 **Voltage/out:** 24 **Amp/cont.:** 10 **Watt/out:** 240	**Dim.:** 217x87x62 mm	**Type:** Switch mode/isolated **Protection against overcurrent:** Yes **Protection against overheating:** Yes **Protection against overvoltage:** Yes **Protection against reverse connection:** Yes **Protection against transients:** Yes **Approval:** CE
161079 Voltage Converter Std pkg 1			
	Voltage/in: 24 **Voltage/out:** 12 **Amp/5 min.:** 22 **Amp/cont.:** 18	**Dim.:** 217x87x50 mm	**Type:** Switch mode/isolated **Protection against overcurrent:** Yes **Protection against overheating:** Yes **Protection against overvoltage:** Yes **Protection against reverse connection:** Yes **Protection against transients:** Yes **Approval:** CE
161081 Voltage Converter Std pkg 1			
	Voltage/in: 24 **Voltage/out:** 12 **Amp/cont.:** 24	**Dim.:** 217x87x50 mm	**Type:** Switch mode/isolated **Protection against overcurrent:** Yes **Protection against overheating:** Yes **Protection against overvoltage:** Yes **Protection against reverse connection:** Yes **Protection against transients:** Yes **Approval:** CE
MULTI POWER			
160580 Voltage Converter Std pkg 1			
	Voltage/in: 36-90 **Voltage/out:** 12 **Amp/cont.:** 15	**Dim.:** 134x94x48 mm	**Protection degree:** IP 68

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

RELAY BOXES

160167 Relay Box — Std pkg 1 — **Servicing:** For 12 V trailer pulled by a 24 V vehicle - Visit our web catalogue for further information

Switches the voltage from 24 V to 12 V by 5 relays. Run at 24 V and leading 12 V from one of the batteries or converter to the lamps of the trailer. For continous use it has to be connected via a converter. For internal mounting.

Voltage: 12/24
Amp: 10

Dim.: 100x100x58 mm

No./poles: 7
Relay switch: Yes

160502 Trailer Connecting Unit — Std pkg 1 — **Servicing:** For 12 V trailer pulled by a 24 V vehicle - Visit our web catalogue for further information

Mounted w/o use of converter.

Voltage: 24/12

Dim.: 110x103x43 mm

C2 control lamp: Yes
No./poles: 7
Relay switch: No
Transistor switch: Yes
Waterproof: Yes
Protection degree: IP 65

160797 Relay Box — Std pkg 1

To reduce voltage drop, if you use vehicles w/ trailer. Fitted w/ 5x12 V relays the 12 V function will not be affected.

Voltage: 12-12
Amp: 5x8

Dim.: 100x100x58 mm

VOLTAGE INVERTERS

160541 Voltage Inverter — Std pkg 1

Voltage/in: 12
Voltage/out: 230
Voltage/Alarm: 10.5±0.5
Voltage/Shut down: 10±0.5
Amp/max/cont.: <20
Amp/standby: <0.3
Watt/cont.: 150
Watt/max.: 450

Dim.: 165x91x58 mm
Temp.: 60±5 °C
Regulation: ±10
Efficiency: Over 90 %

Type: Modified sine
Overloading: Yes
Overheating: Yes
Short circuit: Yes
Approval: CE
Alternativ no.: 161078

160542 Voltage Inverter — Std pkg 1

Voltage/in: 24
Voltage/out: 230
Voltage/Alarm: 21±1
Voltage/Shut down: 20±1
Amp/max/cont.: <10
Amp/standby: <0.3
Watt/cont.: 150
Watt/max.: 450

Dim.: 165x91x58 mm
Temp.: 60±5 °C
Regulation: ±10
Efficiency: Over 90 %

Type: Modified sine
Overloading: Yes
Overheating: Yes
Short circuit: Yes
Approval: CE
Alternativ no.: 161082

160543 Voltage Inverter — Std pkg 1

Voltage/in: 10-15
Voltage/out: 230
Voltage/Alarm: 10.5±0.5
Voltage/Shut down: 10±0.5
Amp/max/cont.: <35
Amp/standby: <0.3
Watt/cont.: 300
Watt/max.: 1000

Dim.: 190x91x58 mm
Temp.: 60±5 °C
Regulation: ±10
Efficiency: Over 90 %

Type: Modified sine
Overloading: Yes
Overheating: Yes
Short circuit: Yes
Approval: CE
Alternativ no.: 161085

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
160544 Voltage Inverter Std pkg 1			
	Voltage/in: 24 **Voltage/out:** 230 **Voltage/Alarm:** 21±1 **Voltage/Shut down:** 20±1 **Amp/max/cont.:** <20 **Amp/standby:** <0.3 **Watt/cont.:** 300 **Watt/max.:** 1000	**Dim.:** 190x91x58 mm **Temp.:** 60±5 °C **Regulation:** ±10	**Type:** Modified sine **Overloading:** Yes **Overheating:** Yes **Short circuit:** Yes **Approval:** CE **Alternativ no.:** 161086
160545 Voltage Inverter Std pkg 1			
	Voltage/in: 10-15 **Voltage/out:** 230 **Voltage/Alarm:** 10.5±0.5 **Voltage/Shut down:** 10±0.5 **Amp/standby:** <0.3 **Watt/cont.:** 600 **Watt/max.:** 1500	**Dim.:** 242x91x58 mm **Temp.:** 60±5 °C **Regulation:** ±10	**Type:** Modified sine **Overloading:** Yes **Overheating:** Yes **Short circuit:** Yes **Approval:** CE **Alternativ no.:** 161089
160546 Voltage Inverter Std pkg 1			
	Voltage/in: 24 **Voltage/out:** 230 **Voltage/Alarm:** 21±1 **Voltage/Shut down:** 20±1 **Amp/standby:** <0.3 **Watt/cont.:** 600 **Watt/max.:** 1500	**Dim.:** 242x91x58 mm **Temp.:** 60±5 °C **Regulation:** ±10	**Type:** Modified sine **Overloading:** Yes **Overheating:** Yes **Short circuit:** Yes **Approval:** CE **Alternativ no.:** 161090
160569 Voltage Inverter Std pkg 1			
Remote Control: HC-CARGO 161045.			
	Voltage/in: 12 **Voltage/out:** 230 **Voltage/Alarm:** 10.5±0.5 **Voltage/Shut down:** 10±0.5 **Amp/standby:** <2 **Watt/cont.:** 1500 **Watt/max.:** 3500	**Dim.:** 395x240x90 mm **Temp.:** 60±5 °C	**Type:** Modified sine **Cooling fan:** Yes **Overloading:** Yes **Overheating:** Yes **Short circuit:** Yes **Approval:** CE **Alternativ no.:** 161097
160581 Voltage Inverter Std pkg 1			
Remote Control: HC-CARGO 161045.			
	Voltage/in: 24 **Voltage/out:** 230 **Voltage/Alarm:** 21±1 **Voltage/Shut down:** 20±1 **Amp/standby:** <1 **Watt/cont.:** 1500 **Watt/max.:** 3500	**Dim.:** 395x240x90 mm **Temp.:** 60±5 °C	**Type:** Modified sine **Overloading:** Yes **Overheating:** Yes **Short circuit:** Yes **Approval:** CE **Alternativ no.:** 161098
160660 Voltage Inverter Std pkg 1			
	Voltage/in: 10-15 **Voltage/out:** 230 **Voltage/Alarm:** 10.5±0.5 **Voltage/Shut down:** 10±0.5 **Amp/standby:** <0.8 **Watt/cont.:** 1000 **Watt/max.:** 2500	**Dim.:** 310x205x75 mm **Temp.:** 60±5 °C **Regulation:** ±10	**Type:** Modified sine **Overloading:** Yes **Overheating:** Yes **Short circuit:** Yes **Approval:** CE **Alternativ no.:** 161093
160676 Voltage Inverter Std pkg 1			
	Voltage/in: 24 **Voltage/out:** 230 **Voltage/Alarm:** 21±1 **Voltage/Shut down:** 20±1 **Amp/standby:** <0.8 **Watt/cont.:** 1000 **Watt/max.:** 2500	**Dim.:** 310x205x75 mm **Temp.:** 60±5 °C **Regulation:** ±10	**Type:** Modified sine **Overloading:** Yes **Overheating:** Yes **Short circuit:** Yes **Approval:** CE **Alternativ no.:** 161094

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
160991 Voltage Inverter AC-DC Std pkg 1			
	Voltage/in: 230 **Voltage/out:** 12V DC **Amp/max/cont.:** 25	**Dim.:** 226.5x115x49.7 mm **Temp.:** 85±5 °C	**Connection:** Connection **Type:** AC-DC **Overloading:** Yes **Overheating:** Yes **Short circuit:** Yes **Approval:** CE
161078 Voltage Inverter Std pkg 1			
	Voltage/in: 12 **Voltage/out:** 220-240 **Voltage/Alarm:** 11±0.5 **Voltage/Shut down:** 10±0.5 **Amp/max/cont.:** 15 **Amp/standby:** <0.28 **Watt/cont.:** 150 **Watt/max.:** 450	**Dim.:** 120x73x73 mm **Temp.:** 60±5 °C **Efficiency:** 90 %	**Type:** Modified sine **Overloading:** Yes **Overheating:** Yes **Short circuit:** Yes **Approval:** CE **Alternativ no.:** 160541
161082 Voltage Inverter Std pkg 1			
	Voltage/in: 24 **Voltage/out:** 220-240 **Voltage/Alarm:** 22±1 **Voltage/Shut down:** 20±1 **Amp/max/cont.:** 8 **Amp/standby:** <0.18 **Watt/cont.:** 150 **Watt/max.:** 450	**Dim.:** 120x73x73 mm **Temp.:** 60±5 °C **Efficiency:** 90 %	**Type:** Modified sine **Overloading:** Yes **Overheating:** Yes **Short circuit:** Yes **Approval:** CE **Alternativ no.:** 160542
161083 Voltage Inverter UK Std pkg 1			
UK version.			
	Voltage/in: 12 **Voltage/out:** 220-240 **Voltage/Alarm:** 11±0.5 **Voltage/Shut down:** 10±0.5 **Amp/max/cont.:** 15 **Amp/standby:** <0.28 **Watt/cont.:** 150 **Watt/max.:** 450	**Dim.:** 120x73x73 mm **Temp.:** 60±5 °C **Efficiency:** 90 %	**Type:** Modified sine **Overloading:** Yes **Overheating:** Yes **Short circuit:** Yes **Approval:** CE
161084 Voltage Inverter UK Std pkg 1			
UK version.			
	Voltage/in: 24 **Voltage/out:** 220-240 **Voltage/Alarm:** 22±1 **Voltage/Shut down:** 20±1 **Amp/max/cont.:** 8 **Amp/standby:** <0.18 **Watt/cont.:** 150 **Watt/max.:** 450	**Dim.:** 120x73x73 mm **Temp.:** 60±5 °C **Efficiency:** 90 %	**Type:** Modified sine **Overloading:** Yes **Overheating:** Yes **Short circuit:** Yes **Approval:** CE
161085 Voltage Inverter Std pkg 1			
	Voltage/in: 12 **Voltage/out:** 220-240 **Voltage/Alarm:** 10.5±0.5 **Voltage/Shut down:** 10±0.5 **Amp/max/cont.:** 30 **Amp/standby:** <0.5 **Watt/cont.:** 300 **Watt/max.:** 900	**Dim.:** 155x73x73 mm **Temp.:** 60±5 °C **Efficiency:** 90 %	**Type:** Modified sine **Overloading:** Yes **Overheating:** Yes **Short circuit:** Yes **Approval:** CE **Alternativ no.:** 160543
161086 Voltage Inverter Std pkg 1			
	Voltage/in: 24 **Voltage/out:** 220-240 **Voltage/Alarm:** 21±1 **Voltage/Shut down:** 20±1 **Amp/max/cont.:** 15 **Amp/standby:** <0.5 **Watt/cont.:** 300 **Watt/max.:** 900	**Dim.:** 155x73x73 mm **Temp.:** 60±5 °C **Efficiency:** 90 %	**Type:** Modified sine **Overloading:** Yes **Overheating:** Yes **Short circuit:** Yes **Approval:** CE **Alternativ no.:** 160544

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
161087 Voltage Inverter UK Std pkg 1			
UK version.			
	Voltage/in: 12 **Voltage/out:** 220-240 **Voltage/Alarm:** 10.5±0.5 **Voltage/Shut down:** 10±0.5 **Amp/max/cont.:** 30 **Amp/standby:** <0.5 **Watt/cont.:** 300 **Watt/max.:** 900	**Dim.:** 155x73x73 mm **Temp.:** 60±5 °C **Efficiency:** 90 %	**Type:** Modified sine **Overloading:** Yes **Overheating:** Yes **Short circuit:** Yes **Approval:** CE
161088 Voltage Inverter UK Std pkg 1			
UK version.			
	Voltage/in: 24 **Voltage/out:** 220-240 **Voltage/Alarm:** 21±1 **Voltage/Shut down:** 20±1 **Amp/max/cont.:** 15 **Amp/standby:** <0.5 **Watt/cont.:** 300 **Watt/max.:** 900	**Dim.:** 155x73x73 mm **Temp.:** 60±5 °C **Efficiency:** 90 %	**Type:** Modified sine **Overloading:** Yes **Overheating:** Yes **Short circuit:** Yes **Approval:** CE
161089 Voltage Inverter Std pkg 1			
	Voltage/in: 12 **Voltage/out:** 220-240 **Voltage/Alarm:** 10.5±0.5 **Voltage/Shut down:** 10±0.5 **Amp/max/cont.:** 60 **Amp/standby:** <0.6 **Watt/cont.:** 600 **Watt/max.:** 1500	**Dim.:** 190x113x62 mm **Temp.:** 60±5 °C **Efficiency:** 85-90 %	**Type:** Modified sine **Overloading:** Yes **Overheating:** Yes **Short circuit:** Yes **Approval:** CE **Alternativ no.:** 160545
161090 Voltage Inverter Std pkg 1			
	Voltage/in: 24 **Voltage/out:** 220-240 **Voltage/Alarm:** 21±1 **Voltage/Shut down:** 20±1 **Amp/max/cont.:** 30 **Amp/standby:** <0.4 **Watt/cont.:** 600 **Watt/max.:** 1500	**Dim.:** 190x113x62 mm **Temp.:** 60±5 °C **Efficiency:** 85-90 %	**Type:** Modified sine **Overloading:** Yes **Overheating:** Yes **Short circuit:** Yes **Approval:** CE **Alternativ no.:** 160546
161091 Voltage Inverter UK Std pkg 1			
UK version.			
	Voltage/in: 12 **Voltage/out:** 220-240 **Voltage/Alarm:** 10.5±0.5 **Voltage/Shut down:** 10±0.5 **Amp/max/cont.:** 60 **Amp/standby:** <0.6 **Watt/cont.:** 600 **Watt/max.:** 1500	**Dim.:** 190x113x62 mm **Temp.:** 60±5 °C **Efficiency:** 85-90 %	**Type:** Modified sine **Overloading:** Yes **Overheating:** Yes **Short circuit:** Yes **Approval:** CE **Alternativ no.:** 161704
161092 Voltage Inverter UK Std pkg 1			
UK version.			
	Voltage/in: 24 **Voltage/out:** 220-240 **Voltage/Alarm:** 21±1 **Voltage/Shut down:** 20±1 **Amp/max/cont.:** 30 **Amp/standby:** <0.4 **Watt/cont.:** 600 **Watt/max.:** 1500	**Dim.:** 190x113x62 mm **Temp.:** 60±5 °C **Efficiency:** 85-90 %	**Type:** Modified sine **Overloading:** Yes **Overheating:** Yes **Short circuit:** Yes **Approval:** CE
161093 Voltage Inverter Std pkg 1			
Remote control: HC-CARGO 161713.			
	Voltage/in: 12 **Voltage/out:** 220-240 **Voltage/Alarm:** 10.5±0.5 **Voltage/Shut down:** 10±0.5 **Amp/max/cont.:** 100 **Amp/standby:** <0.6 **Watt/cont.:** 1000 **Watt/max.:** 2400	**Dim.:** 340x135x79 mm **Temp.:** 60±5 °C **Efficiency:** 85-90 %	**Type:** Modified sine **Overloading:** Yes **Overheating:** Yes **Short circuit:** Yes **Approval:** CE **Alternativ no.:** 160660

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
161094 Voltage Inverter Std pkg 1			
Remote control: HC-CARGO 161713.			
	Voltage/in: 24 **Voltage/out:** 220-240 **Voltage/Alarm:** 21±1 **Voltage/Shut down:** 20±1 **Amp/max/cont.:** 50 **Amp/standby:** <0.5 **Watt/cont.:** 1000 **Watt/max.:** 2400	**Dim.:** 340x135x79 mm **Temp.:** 60±5 °C **Efficiency:** 85-90 %	**Type:** Modified sine **Overloading:** Yes **Overheating:** Yes **Short circuit:** Yes **Approval:** CE **Alternativ no.:** 160676
161095 Voltage Inverter UK Std pkg 1			
UK version. Remote control: HC-CARGO 161713.			
	Voltage/in: 12 **Voltage/out:** 220-240 **Voltage/Alarm:** 10.5±0.5 **Voltage/Shut down:** 10±0.5 **Amp/max/cont.:** 100 **Amp/standby:** <0.6 **Watt/cont.:** 1000 **Watt/max.:** 2400	**Dim.:** 340x135x79 mm **Temp.:** 60±5 °C **Efficiency:** 85-90 %	**Type:** Modified sine **Overloading:** Yes **Overheating:** Yes **Short circuit:** Yes **Approval:** CE **Alternativ no.:** 161707
161096 Voltage Inverter UK Std pkg 1			
UK version. Remote control: HC-CARGO 161713.			
	Voltage/in: 24 **Voltage/out:** 220-240 **Voltage/Alarm:** 21±1 **Voltage/Shut down:** 20±1 **Amp/max/cont.:** 50 **Amp/standby:** <0.5 **Watt/cont.:** 1000 **Watt/max.:** 2400	**Dim.:** 340x135x79 mm **Temp.:** 60±5 °C **Efficiency:** 85-90 %	**Type:** Modified sine **Overloading:** Yes **Overheating:** Yes **Short circuit:** Yes **Approval:** CE **Alternativ no.:** 160676UK
161097 Voltage Inverter Std pkg 1			
Remote control: HC-CARGO 161713.			
	Voltage/in: 12 **Voltage/out:** 220-240 **Voltage/Alarm:** 10.5±0.5 **Voltage/Shut down:** 10±0.5 **Amp/max/cont.:** 150 **Amp/standby:** <0.7 **Watt/cont.:** 1500 **Watt/max.:** 3000	**Dim.:** 400x135x79 mm **Temp.:** 60±5 °C **Efficiency:** 85-90 %	**Type:** Modified sine **Overloading:** Yes **Overheating:** Yes **Short circuit:** Yes **Approval:** CE **Alternativ no.:** 160569
161098 Voltage Inverter Std pkg 1			
Remote control: HC-CARGO 161713.			
	Voltage/in: 24 **Voltage/out:** 220-240 **Voltage/Alarm:** 21±1 **Voltage/Shut down:** 20±1 **Amp/max/cont.:** 75 **Amp/standby:** <0.6 **Watt/cont.:** 1500 **Watt/max.:** 3000	**Dim.:** 400x135x79 mm **Temp.:** 60±5 °C **Efficiency:** 85-90 %	**Type:** Modified sine **Overloading:** Yes **Overheating:** Yes **Short circuit:** Yes **Approval:** CE **Alternativ no.:** 160581
161099 Voltage Inverter UK Version Std pkg 1			
UK version. Remote control: HC-CARGO 161713.			
	Voltage/in: 12 **Voltage/out:** 220-240 **Voltage/Alarm:** 10.5±0.5 **Voltage/Shut down:** 10±0.5 **Amp/max/cont.:** 150 **Amp/standby:** <0.7 **Watt/cont.:** 1500 **Watt/max.:** 3000	**Dim.:** 400x135x79 mm **Temp.:** 60±5 °C **Efficiency:** 85-90 %	**Type:** Modified sine **Overloading:** Yes **Overheating:** Yes **Short circuit:** Yes **Approval:** CE **Alternativ no.:** 161705
161100 Voltage Inverter UK Version Std pkg 1			
UK version. Remote control: HC-CARGO 161713.			
	Voltage/in: 24 **Voltage/out:** 220-240 **Voltage/Alarm:** 21±1 **Voltage/Shut down:** 20±1 **Amp/max/cont.:** 75 **Amp/standby:** <0.6 **Watt/cont.:** 1500 **Watt/max.:** 3000	**Dim.:** 400x135x79 mm **Temp.:** 60±5 °C **Efficiency:** 85-90 %	**Type:** Modified sine **Overloading:** Yes **Overheating:** Yes **Short circuit:** Yes **Approval:** CE **Alternativ no.:** 161706

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

161101 Voltage Inverter — Std pkg 1

Remote control: HC-CARGO 161713.

Voltage/in: 12
Voltage/out: 220-240
Voltage/Alarm: 10.5±0.5
Voltage/Shut down: 10±0.5
Amp/max/cont.: 70
Amp/standby: <0.9
Watt/cont.: 700
Watt/max.: 1400

Dim.: 340x135x79 mm
Temp.: 60±5 °C
Efficiency: >85 %

Type: Pure Sine
Overloading: Yes
Overheating: Yes
Short circuit: Yes
Approval: CE

161102 Voltage Inverter — Std pkg 1

Remote control: HC-CARGO 161713.

Voltage/in: 24
Voltage/out: 220-240
Voltage/Alarm: 21±1
Voltage/Shut down: 20±1
Amp/max/cont.: 35
Amp/standby: <0.6
Watt/cont.: 700
Watt/max.: 1400

Dim.: 340x135x79 mm
Temp.: 60±5 °C
Efficiency: >85 %

Type: Pure Sine
Overloading: Yes
Overheating: Yes
Short circuit: Yes
Approval: CE

161103 Voltage Inverter UK — Std pkg 1

UK version. Remote control: HC-CARGO 161713.

Voltage/in: 12
Voltage/out: 220-240
Voltage/Alarm: 10.5±0.5
Voltage/Shut down: 10±0.5
Amp/max/cont.: 70
Amp/standby: <0.9
Watt/cont.: 700
Watt/max.: 1400

Dim.: 340x135x79 mm
Temp.: 60±5 °C
Efficiency: >85 %

Type: Pure Sine
Overloading: Yes
Overheating: Yes
Short circuit: Yes
Approval: CE

161104 Voltage Inverter UK — Std pkg 1

UK version. Remote control: HC-CARGO 161713.

Voltage/in: 24
Voltage/out: 220-240
Voltage/Alarm: 21±1
Voltage/Shut down: 20±1
Amp/max/cont.: 35
Amp/standby: <0.6
Watt/cont.: 700
Watt/max.: 1400

Dim.: 340x135x79 mm
Temp.: 60±5 °C
Efficiency: >85 %

Type: Pure Sine
Overloading: Yes
Overheating: Yes
Short circuit: Yes
Approval: CE

161105 Voltage Inverter — Std pkg 1

Remote control: HC-CARGO 161713.

Voltage/in: 12
Voltage/out: 220-240
Voltage/Alarm: 10.5±0.5
Voltage/Shut down: 10±0.5
Amp/max/cont.: 110
Amp/standby: <1.3
Watt/cont.: 1000
Watt/max.: 2000

Dim.: 360x195x80 mm
Temp.: 60±5 °C
Efficiency: >85 %

Type: Pure Sine
Overloading: Yes
Overheating: Yes
Short circuit: Yes
Approval: CE

161106 Voltage Inverter — Std pkg 1

Remote control: HC-CARGO 161713.

Voltage/in: 24
Voltage/out: 220-240
Voltage/Alarm: 21±1
Voltage/Shut down: 20±1
Amp/max/cont.: 55
Amp/standby: <1
Watt/cont.: 1000
Watt/max.: 2000

Dim.: 360x195x80 mm
Temp.: 60±5 °C
Efficiency: >85 %

Type: Pure Sine
Overloading: Yes
Overheating: Yes
Short circuit: Yes
Approval: CE

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

161107 Voltage Inverter UK Std pkg 1

UK version. Remote control: HC-CARGO 161713.

Voltage/in: 12
Voltage/out: 220-240
Voltage/Alarm: 10.5±0.5
Voltage/Shut down: 10±0.5
Amp/max/cont.: 110
Amp/standby: <1.3
Watt/cont.: 1000
Watt/max.: 2000

Dim.: 360x195x80 mm
Temp.: 60±5 °C
Efficiency: >85 %

Type: Pure Sine
Overloading: Yes
Overheating: Yes
Short circuit: Yes
Approval: CE

161108 Voltage Inverter UK Std pkg 1

UK version. Remote control: HC-CARGO 161713.

Voltage/in: 24
Voltage/out: 220-240
Voltage/Alarm: 21±1
Voltage/Shut down: 20±1
Amp/max/cont.: 55
Amp/standby: <1
Watt/cont.: 1000
Watt/max.: 2000

Dim.: 360x195x80 mm
Temp.: 60±5 °C
Efficiency: >85 %

Type: Pure Sine
Overloading: Yes
Overheating: Yes
Short circuit: Yes
Approval: CE

161109 Voltage Inverter Std pkg 1

Remote control: HC-CARGO 161734.

Voltage/in: 12
Voltage/out: 220-240
Voltage/Alarm: 10.5±0.5
Voltage/Shut down: 10±0.5
Amp/max/cont.: 160
Amp/standby: <1.3
Watt/cont.: 1500
Watt/max.: 3000

Dim.: 430x245x85 mm
Temp.: 60±5 °C
Efficiency: >85 %

Type: Pure Sine
Overloading: Yes
Overheating: Yes
Short circuit: Yes
Approval: CE

161110 Voltage Inverter Std pkg 1

Remote control: HC-CARGO 161734.

Voltage/in: 24
Voltage/out: 220-240
Voltage/Alarm: 21±1
Voltage/Shut down: 20±1
Amp/max/cont.: 80
Amp/standby: <1
Watt/cont.: 1500
Watt/max.: 3000

Dim.: 430x245x85 mm
Temp.: 60±5 °C
Efficiency: >85 %

Type: Pure Sine
Overloading: Yes
Overheating: Yes
Short circuit: Yes
Approval: CE

161111 Voltage Inverter UK Std pkg 1

UK version. Remote control: HC-CARGO 161734.

Voltage/in: 12
Voltage/out: 220-240
Voltage/Alarm: 10.5±0.5
Voltage/Shut down: 10±0.5
Amp/max/cont.: 160
Amp/standby: <1.3
Watt/cont.: 1500
Watt/max.: 3000

Dim.: 430x245x85 mm
Temp.: 60±5 °C
Efficiency: >85 %

Type: Pure Sine
Overloading: Yes
Overheating: Yes
Short circuit: Yes
Approval: CE

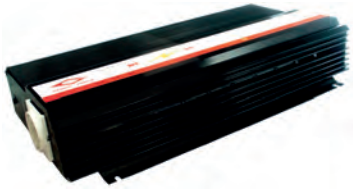
161112 Voltage Inverter UK Std pkg 1

UK version. Remote control: HC-CARGO 161734.

Voltage/in: 24
Voltage/out: 220-240
Voltage/Alarm: 21±1
Voltage/Shut down: 20±1
Amp/max/cont.: 80
Amp/standby: <1
Watt/cont.: 1500
Watt/max.: 3000

Dim.: 430x245x85 mm
Temp.: 60±5 °C
Efficiency: >85 %

Type: Pure Sine
Overloading: Yes
Overheating: Yes
Short circuit: Yes
Approval: CE

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
161113 Voltage Inverter Std pkg 1			
Remote control: HC-CARGO 161713.			
	Voltage/in: 12 **Voltage/out:** 220-240 **Voltage/Alarm:** 10.5±0.5 **Voltage/Shut down:** 10±0.5 **Amp/max/cont.:** 250 **Amp/standby:** <0.8 **Watt/cont.:** 2500 **Watt/max.:** 5000	**Dim.:** 340x135x148 mm **Temp.:** 60±5 °C **Efficiency:** 85-90 %	**Type:** Modified sine **Overloading:** Yes **Overheating:** Yes **Short circuit:** Yes **Approval:** CE
161114 Voltage Inverter Std pkg 1			
Remote control: HC-CARGO 161713.			
	Voltage/in: 24 **Voltage/out:** 220-240 **Voltage/Alarm:** 21±1 **Voltage/Shut down:** 20±1 **Amp/max/cont.:** 125 **Amp/standby:** <0.7 **Watt/cont.:** 2500 **Watt/max.:** 5000	**Dim.:** 340x135x148 mm **Temp.:** 60±5 °C **Efficiency:** 85-90 %	**Type:** Modified sine **Overloading:** Yes **Overheating:** Yes **Short circuit:** Yes **Approval:** CE
161115 Voltage Inverter UK Std pkg 1			
UK version. Remote control: HC-CARGO 161713.			
	Voltage/in: 12 **Voltage/out:** 220-240 **Voltage/Alarm:** 10.5±0.5 **Voltage/Shut down:** 10±0.5 **Amp/max/cont.:** 250 **Amp/standby:** <0.8 **Watt/cont.:** 2500 **Watt/max.:** 5000	**Dim.:** 340x135x148 mm **Temp.:** 60±5 °C **Efficiency:** 85-90 %	**Type:** Modified sine **Overloading:** Yes **Overheating:** Yes **Short circuit:** Yes **Approval:** CE
161116 Voltage Inverter UK Std pkg 1			
UK version. Remote control: HC-CARGO 161713.			
	Voltage/in: 24 **Voltage/out:** 220-240 **Voltage/Alarm:** 21±1 **Voltage/Shut down:** 20±1 **Amp/max/cont.:** 125 **Amp/standby:** <0.7 **Watt/cont.:** 2500 **Watt/max.:** 5000	**Dim.:** 340x135x148 mm **Temp.:** 60±5 °C **Efficiency:** 85-90 %	**Type:** Modified sine **Overloading:** Yes **Overheating:** Yes **Short circuit:** Yes **Approval:** CE
161704 Voltage Inverter UK Version Std pkg 1			
UK version.			
	Voltage/in: 12 **Voltage/out:** 230 **Voltage/Alarm:** 10.5±0.5 **Voltage/Shut down:** 10±0.5 **Amp/standby:** <1.35 **Watt/cont.:** 600 **Watt/max.:** 1500	**Dim.:** 242x91x58 mm **Temp.:** 60±5 °C **Regulation:** ±10	**Type:** Modified sine **Overloading:** Yes **Overheating:** Yes **Short circuit:** Yes **Approval:** CE **Alternativ no.:** 161091
161705 Voltage Inverter UK Version Std pkg 1			
UK version. Remote Control: HC-CARGO 161045.			
	**Voltage/in:** 10-15 **Voltage/out:** 230 **Voltage/Alarm:** 10.5±0.5 **Voltage/Shut down:** 10±0.5 **Amp/standby:** 1 **Watt/cont.:** 1500 **Watt/max.:** 3500	**Dim.:** 395x240x90 mm **Temp.:** 60±5 °C	**Type:** Modified sine **Overloading:** Yes **Overheating:** Yes **Short circuit:** Yes **Approval:** CE **Alternativ no.:** 161099
161707 Voltage Inverter UK Version Std pkg 1			
UK version.			
	Voltage/in: 12 **Voltage/out:** 220-240 **Voltage/Alarm:** 10.5±0.5 **Voltage/Shut down:** 10±0.5 **Amp/standby:** <0.3 **Watt/cont.:** 1000 **Watt/max.:** 2500	**Dim.:** 310x205x75 mm **Temp.:** 60±5 °C **Regulation:** ±10	**Type:** Modified sine **Overloading:** Yes **Overheating:** Yes **Short circuit:** Yes **Approval:** CE **Alternativ no.:** 161095

ACCESSORIES

161045 Remote Control — Std pkg 1 — **Servicing:** HC-CARGO 160569, 161705, 160581,161706

161713 Remote control — Std pkg 1 — **Servicing:** HC-CARGO 161093..161108, 161113..161116

161734 Remote control — Std pkg 1 — **Servicing:** HC-CARGO 161109, 161110, 161111, 161112

VOLTAGE REDUCER

160627 Voltage Reducer — Std pkg 1

Set w/ 2 resistors. Reduces the voltage w/ 0.75 V. Secures the lifetime of the headlight bulbs in cars w/ high voltage. 12/24 V.

161042 Surge Protector — Std pkg 1

Protects electronics against voltage peaks.

Voltage: 12-14

ID/mount. hole: 8 mm
Length: 27 mm
Width: 33 mm

LOAD RESISTORS

160970 Load Resistor 12 V — Std pkg 1

Contains: 2 pcs.

Voltage: 12
Amp: 2
Ohm: 6

Length: 50 mm
Width: 15 mm

160971 Load Resistor 24 V — Std pkg 1

Contains: 2 pcs.

Voltage: 24
Amp: 1
Ohm: 24

Length: 50 mm
Width: 15 mm

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
161922 Load Resistor Std pkg 1			
Contains: 2 pcs.			
	Voltage: 12		
161923 Load Resistor Std pkg 1			
Contains: 2 pcs.			
	Voltage: 12		

CHARGERS

160874 Charger Std pkg 1			
	Voltage: 230/24 **Amp:** 12	**Dim.:** 235x87x58 mm **Working temp.:** -30±55 °C	**Warning lamp:** w/ **Auto stop:** Yes **Protection degree:** IP 67 **Approval:** CE
160875 Charger Std pkg 1			
	Voltage: 230/12 **Amp:** 17	**Dim.:** 235x87x58 mm **Working temp.:** -30±55 °C	**Warning lamp:** w/ **Auto stop:** Yes **Protection degree:** IP 67 **Approval:** CE
161026 Charger Std pkg 1			
Charger cable: HC-CARGO 161026.			
	Voltage: 230/12 **Amp:** 5 **Hertz:** 50	**Dim.:** 170x73x48 mm **Working temp.:** -20±50 °C	**Warning lamp:** w/ **Protection degree:** IP 65 **Approval:** CE **Alternativ no.:** 160969
161122 Charger Std pkg 1	**Servicing:** All types of 12V LEAD ACID Batteries, (AGM, GEL, STD,VRLA, MF, CAL/CAL and START-STOP) & LFP batteries - Visit our web catalogue for further information		
UK version.			
	Voltage: 220/240 **Amp:** 1.5/10 **Amp/hour:** 200 **Hertz:** 50/60	**Dim.:** 210x98x60 mm **Working temp.:** -20±50 °C	**Protection degree:** IP 65 **Approval:** CE
161123 Charger UK Std pkg 1	**Servicing:** All types of 12V LEAD ACID Batteries, (AGM, GEL, STD,VRLA, MF, CAL/CAL and START-STOP) & LFP batteries - Visit our web catalogue for further information		
UK version.			
	Voltage: 220/240 **Amp:** 10 **Amp/hour:** 200 **Hertz:** 50/60	**Dim.:** 210x98x60 mm **Working temp.:** -20±50 °C	**Protection degree:** IP 65 **Approval:** CE

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

161701 Charger UK — Std pkg 1

UK version. Charger cable: HC-CARGO 161888.

Voltage: 230/12
Amp: 5
Hertz: 50

Working temp.: -20±50 °C

Warning lamp: w/
Protection degree: IP 65
Approval: CE
Alternativ no.: 161026UK

181743 USB Adapter — Std pkg 1 — **Servicing:** HC-CARGO 172187

Voltage: 5
Amp: 0.5
Voltage/AC 1: 230

Approval: CE

211035 Charger — Std pkg 1

Test Connection: HC-CARGO 211077.

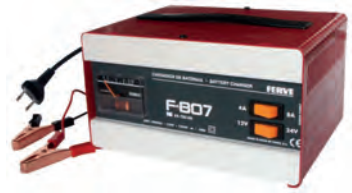
Voltage: 6-12
Amp: 1.5-3

Dim.: 150x90x135 mm

Auto stop: No
Approval: CE

211036 Charger — Std pkg 1

Test Connection: HC-CARGO 211077.



Voltage: 12-24
Amp: 4-8

Dim.: 210x125x180 mm

Auto stop: No
Approval: CE

211073 Charger — Std pkg 1

230 V. AC. Test Connection: HC-CARGO 211077.

Voltage: 12-24
Amp: 8

Dim.: 235x140x180 mm

Auto stop: Yes
Approval: CE

ACCESSORIES

161888 Charger cable — Std pkg 1 — **Servicing:** HC-CARGO 161026, 161701, 161122

w/ Fuse.

Voltage: 300

Length: 300 mm
Temp. area: 105 °C

Lead type: Dual
Cap colour: Black
Cap material: PVC

211077 Test Connection — Std pkg 1 — **Servicing:** HC-CARGO 211035, 211036, 211073

POWER GUARD

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

161014 Power Guard — Std pkg 1

Voltage/in: 12/24
Voltage/Alarm: Yes
Voltage/Shut down: Yes
Shut down/12 V: 11.5
Shut down/24 V: 23
Amp/max/cont.: 10

Dim.: 155x30x15 mm
Regulation: Yes

Connection: Connection
Overloading: Yes
Overheating: Yes
Short circuit: Yes

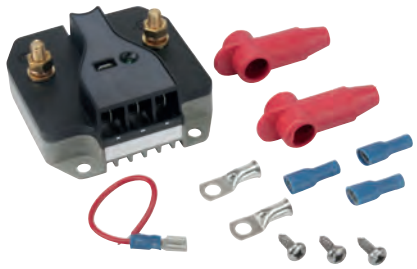
161015 Power Guard — Std pkg 1

Voltage/in: 12/24
Voltage/Alarm: Yes
Voltage/Shut down: Yes
Shut down/12 V: 11.5
Shut down/24 V: 23
Amp/max/cont.: 20

Dim.: 155x30x15 mm
Regulation: Yes

Connection: Connection
Overloading: Yes
Overheating: Yes
Short circuit: Yes

161016 Power Guard — Std pkg 1

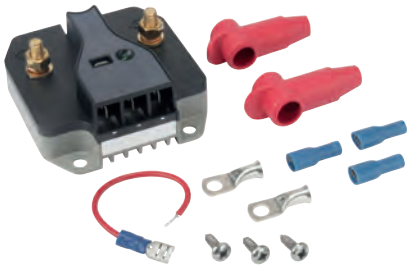


Voltage/in: 12/24
Voltage/Alarm: Yes
Voltage/Shut down: Yes
Shut down/12 V: 11.5
Shut down/24 V: 23
Amp/max/cont.: 40

Dim.: 76x78x33 mm
Regulation: Yes

Connection: M6
Overloading: Yes
Overheating: Yes
Short circuit: Yes

161017 Power Guard — Std pkg 1

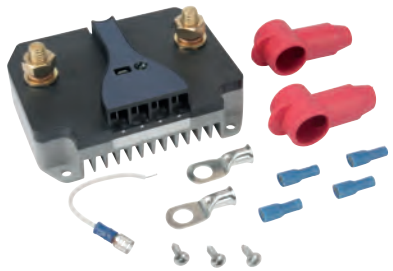


Voltage/in: 12/24
Voltage/Alarm: Yes
Voltage/Shut down: Yes
Shut down/12 V: 11.5
Shut down/24 V: 23
Amp/max/cont.: 60

Dim.: 76x78x33 mm
Regulation: Yes

Connection: M6
Overloading: Yes
Overheating: Yes
Short circuit: Yes

161018 Power Guard — Std pkg 1

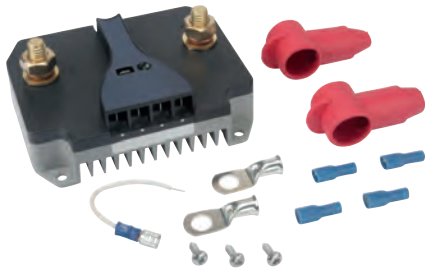


Voltage/in: 12/24
Voltage/Alarm: Yes
Voltage/Shut down: Yes
Shut down/12 V: 11.5
Shut down/24 V: 23
Amp/max/cont.: 100

Dim.: 124x97x51 mm
Regulation: Yes

Connection: M10
Overloading: Yes
Overheating: Yes
Short circuit: Yes

161019 Power Guard — Std pkg 1



Voltage/in: 12/24
Voltage/Alarm: Yes
Voltage/Shut down: Yes
Shut down/12 V: 11.5
Shut down/24 V: 23
Amp/max/cont.: 200

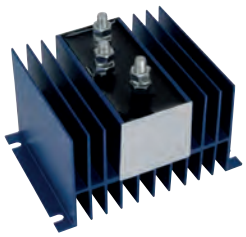
Dim.: 124x97x51 mm
Regulation: Yes

Connection: M10
Overloading: Yes
Overheating: Yes
Short circuit: Yes

BATTERY ISOLATORS

160342 Battery Isolator — Std pkg 1 — **Servicing:** Boats, autocampers, industrial vehicles - Visit our web catalogue for further information

Eliminates the multi battery drain when 2 or more batteries are in a charging system.



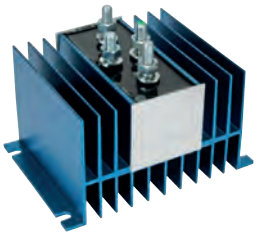
Voltage: 6-36
Amp/current max: 70

Dim.: 85x115x95 mm

No./batteries: 2
Comp. diode: No

160343 Battery Isolator — Std pkg 1 — **Servicing:** Boats, autocampers, industrial vehicles - Visit our web catalogue for further information

Eliminates the multi battery drain when 2 or more batteries are in a charging system. w/ compensationsdiode which allows a higher charging current.



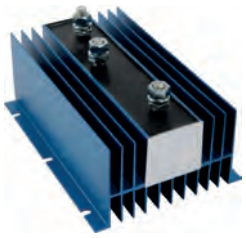
Voltage: 6-36
Amp/current max: 70

Dim.: 85x115x95 mm

No./batteries: 2
Comp. diode: Yes

160398 Battery Isolator — Std pkg 1 — **Servicing:** Boats, autocampers, industrial vehicles - Visit our web catalogue for further information

Eliminates the multi battery drain when 2 or more batteries are in a charging system.



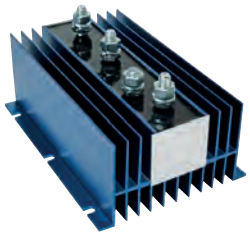
Voltage: 6-36
Amp/current max: 120

Dim.: 170x115x95 mm

No./batteries: 2
Comp. diode: No

160399 Battery Isolator — Std pkg 1 — **Servicing:** Boats, autocampers, industrial vehicles - Visit our web catalogue for further information

Eliminates the multi battery drain when 2 or more batteries are in a charging system. w/ compensationsdiode which allows a higher charging current.



Voltage: 6-36
Amp/current max: 120

Dim.: 170x115x95 mm

No./batteries: 2
Comp. diode: Yes

160740 Split Charge Relay 12V — Std pkg 1 — **Servicing:** Boats, autocampers, industrial vehicles, Nissan - Visit our web catalogue for further information

Microprocessor-controlled relay. Opens for charging the secondary battery when charger voltage reaches 13.4 V and closes at 12.5 V.

Voltage: 12
Amp/current max: 180

Dim.: 120x80x55 mm

No./batteries: 2
Comp. diode: No

160742 Split Charge Relay — Std pkg 1 — **Servicing:** Boats, autocampers, industrial vehicles - Visit our web catalogue for further information

Microprocessor-controlled relay. Opens for charging the secondary battery when charger voltage reaches 27 V and closes at 25.4 V.

Voltage: 24
Amp/current max: 100

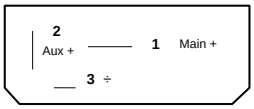
Dim.: 120x80x70 mm

No./batteries: 2
Comp. diode: No

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

160876 Split Charge Relay Std pkg 1

Microprocessor-controlled relay. Opens for charging the secondary battery when charger voltage reaches 13.4 V and closes at 12.6 V.



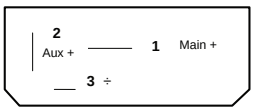
Voltage: 12
Amp/current max: 70

Dim.: 60x34x70 mm

No./batteries: 2
Comp. diode: No

160877 Split Charge Relay Std pkg 1

Microprocessor-controlled relay. Opens for charging the secondary battery when charger voltage reaches 27 V and closes at 25.4 V.



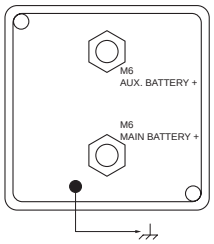
Voltage: 24
Amp/current max: 50

Dim.: 60x34x70 mm

No./batteries: 2
Comp. diode: No

161059 Split Charge Relay 12V Std pkg 1

Microprocessor-controlled relay. Opens for charging the secondary battery when charger voltage reaches 13.3 V and closes at 12.8 V.



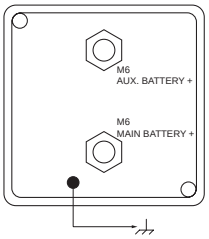
Voltage: 12
Amp/current max: 140

Dim.: 67x67x50 mm

No./batteries: 2
Comp. diode: No

161060 Split Charge Relay Std pkg 1

Microprocessor-controlled relay. Opens for charging the secondary battery when charger voltage reaches 26.6 V and closes at 25.6 V.



Voltage: 24
Amp/current max: 140

Dim.: 67x67x50 mm

No./batteries: 2
Comp. diode: No

161128* Split Charge Relay 12V Std pkg 1

Microprocessor-controlled programmable relay. Opens for charging the secondary battery when charger voltage reaches 12.8 V and closes at 11.5 V. (default)

NEW PRODUCT
www.hc-cargo.com

Voltage: 12
Amp/current max: 200

Dim.: 67x67x50 mm

No./batteries: 2
Comp. diode: No

SWITCHES

BATTERY SWITCHES

180028 Battery Main Switch Std pkg 1

Spare key: HC-CARGO 180143. Pole: dia. 10 mm.

Voltage: 24
Amp/5 sec: 500
Amp/cont.: 100

Dist. mount. holes: 38 mm

Type: Battery
Material: Plastic
No./mounting holes: 2
Key: Yes
Protection degree: IP 65

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

180087 Battery Main Switch Std pkg 1

Spare key: HC-CARGO 180202.

Voltage: 24
Amp/5 sec: 2500
Amp/cont.: 250

Dist. mount. holes:
100 mm

Type: Battery
Material: Metal
No./mounting holes: 2
Key: Yes
Waterproof: Yes
Protection degree: IP 66

180203 Battery Main Switch Std pkg 1

Spare key: HC-CARGO 180029, 180619.

Voltage: 24
Amp/5 sec: 2500
Amp/cont.: 250

Dist. mount. holes:
100 mm

Type: Battery
Material: Plastic
No./mounting holes: 2
No./poles: 2
Key: Yes
Protection degree: IP 66

180211 Battery Main Switch Std pkg 1

Spare key: HC-CARGO 180288, 180333. Rubber boot: HC-CARGO 180375.

Littelfuse

Voltage: 24
Amp/5 sec: 2500
Amp/cont.: 250

Dist. mount. holes:
100 mm

Type: Battery
Material: Metal
No./mounting holes: 2
Key: Yes
Protection degree: IP 65
Alternativ no.: 181475

180216 Battery Main Switch Std pkg 1

Spare key: HC-CARGO 181270. Rubber protection cap: HC-CARGO 180374.

Littelfuse

Voltage: 24
Amp/5 sec: 500
Amp/cont.: 100

Dist. mount. holes:
39.5 mm

Type: Battery
Material: Plastic
No./mounting holes: 2
No./poles: M8
Key: Yes
Protection degree: IP 40

180229 Battery Main Switch Std pkg 1

Spare key: HC-CARGO 180029, 180619, 181270. On/Off under load.

Voltage: 24
Amp/5 sec: 2500
Amp/cont.: 250

Dist. mount. holes:
100 mm

Type: Battery
Material: Plastic
No./mounting holes: 2
Key: Yes
Protection degree: IP 66

180289 Battery Main Switch Std pkg 1

Rubber boot: HC-CARGO 180375.

Voltage: 24
Amp/5 sec: 2500
Amp/cont.: 250

Dist. mount. holes:
30 mm

Type: Battery
Material: Metal
No./mounting holes: 2
Key: Yes
Protection degree: IP 65

180313 Battery Main Switch Std pkg 1

Spare key: HC-CARGO 180029, 180143, 181270. Rubber protection cap: HC-CARGO 180374.

Littelfuse

Voltage: 24
Amp/5 sec: 500
Amp/cont.: 100

Dist. mount. holes:
35 mm

Type: Battery
No./mounting holes: 2
Key: No
Protection degree: IP 40

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

180326 Battery Main Switch — Std pkg 1

Rubber boot: HC-CARGO 180375. w/ rotation/press handle.

Voltage: 24
Amp/5 sec: 2500
Amp/cont.: 250

Dist. mount. holes:
100 mm

Type: Battery
No./mounting holes: 2
Protection degree: IP 65

180596 Battery Main Switch — Std pkg 1

Spare key: HC-CARGO 180029, 180619.

Voltage: 24
Amp/5 sec: 500
Amp/cont.: 100

Dist. mount. holes:
38 mm

Type: Battery
Material: Plastic
No./mounting holes: 2
Key: Yes
Resistor: 3 Ohm, 11 W
Sec. circuit: Yes
Protection degree: IP 43

180614 Battery Main Switch — Std pkg 1

Spare key: HC-CARGO 181578.

Voltage: 24
Amp/5 sec: 1000
Amp/cont.: 75

Dist. mount. holes:
38 mm

Type: Battery
Material: Metal
No./mounting holes: 2
Key: Yes
Protection degree: IP 41

181475 Battery Main Switch — Std pkg 1

Spare key: HC-CARGO 180288, w/o chain and rubber cap. Rubber boot: HC-CARGO 180375.

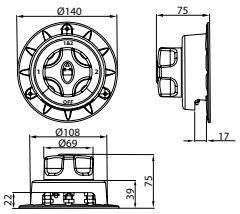
Littelfuse

Voltage: 24
Amp/5 sec: 2500
Amp/cont.: 250

Dist. mount. holes:
100 mm

Material: Metal
No./mounting holes: 2
Key: Yes
Protection degree: IP 65

181613 Battery Main Switch — Std pkg 1

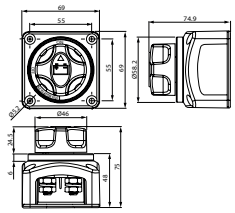


Voltage: 12-50
Amp/5 sec: 1000
Amp/cont.: 200

Dist. mount. holes:
104 mm

Type: Battery
Material: PBT
No./mounting holes: 3
No./poles: 3
Key: No
Protection degree: IP 54
Approval: CE

181614 Battery Main Switch — Std pkg 1



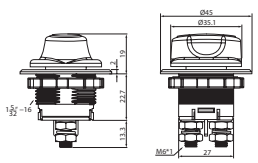
Voltage: 12-50
Amp/5 sec: 1000
Amp/cont.: 200

Dist. mount. holes:
55 mm

Type: Battery
Material: PBT
No./mounting holes: 4
No./poles: 2
Key: Yes
Protection degree: IP 54
Approval: CE

181687 Battery Main Switch — Std pkg 1

Servicing: HC-CARGO 181679, 181680, 181681



Voltage: <32
Amp/5 sec: 500
Amp/cont.: 100

Dist. mount. holes:
27 mm

Type: Battery
Material: PBT
No./mounting holes: 2
No./poles: 2
Key: No

WATERPROOF

180271 Battery Main Switch — Std pkg 1

Rubber boot: HC-CARGO 180375. Working temp. -30°C/+65°C.

Voltage: 12/24
Amp/5 sec: 1000
Amp/cont.: 150

Dist. mount. holes: 45 mm

Type: Battery
Material: Plastic
Explosion proof/SAEJ1171: Yes
No./mounting holes: 2
No./poles: M10
Key: Yes
Waterproof: Yes
Protection degree: IP 68
Approval: SAE J1171
Alternativ no.: 182372

180272 Battery Main Switch — Std pkg 1 — **Servicing:** Marine - Visit our web catalogue for further information

Spare key: HC-CARGO 180273. Rubber boot: HC-CARGO 180375.

Voltage: 24
Amp/5 sec: 1000
Amp/cont.: 150

Dist. mount. holes: 45 mm

Type: Battery
Material: Metal
Explosion proof/SAEJ1171: Yes
No./mounting holes: 2
Key: Yes
Waterproof: Yes
Protection degree: IP 68

180274 Battery Main Switch — Std pkg 1

Rubber boot: HC-CARGO 180375 . For alternator w/ separate regulator.

Voltage: 24
Amp/5 sec: 2500
Amp/cont.: 250

Dist. mount. holes: 65 mm

Type: Battery
Material: Metal
Explosion proof/SAEJ1171: Yes
No./mounting holes: 2
Key: Yes
Waterproof: Yes
Protection degree: IP 67

180275 Battery Main Switch — Std pkg 1

Rubber boot: HC-CARGO 180375. For alternator w/ intergral regulator. w/ D+ contact.

Voltage: 24
Amp/5 sec: 2500
Amp/cont.: 250

Dist. mount. holes: 65 mm

Type: Battery
Material: Metal
Explosion proof/SAEJ1171: Yes
No./mounting holes: 2
Key: Yes
Waterproof: Yes
Protection degree: IP 67

180276 Battery Main Switch — Std pkg 1

Rubber boot: HC-CARGO 180375. For alternator w/ intergral regulator. w/ D+ contact.

Voltage: 24
Amp/5 sec: 2500
Amp/cont.: 250

Dist. mount. holes: 110 mm

Type: Battery
Material: Metal
Explosion proof/SAEJ1171: Yes
Explosion proof/EN50020(Eex IA): Yes
No./mounting holes: 2
No./poles: 2
Key: Yes
Waterproof: Yes
Protection degree: IP 67
Approval: ADR

180277 Battery Main Switch — Std pkg 1

Rubber boot: HC-CARGO 180375 . For alternator w/ separate regulator.

Voltage: 24
Amp/5 sec: 2500
Amp/cont.: 250

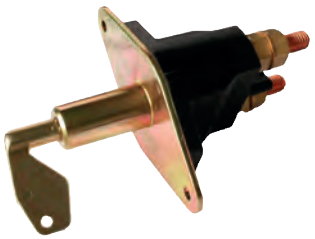
Dist. mount. holes: 110 mm

Type: Battery
Material: Metal
Explosion proof/SAEJ1171: Yes
Explosion proof/EN50020(Eex IA): Yes
No./mounting holes: 2
No./poles: 2
Key: Yes
Waterproof: Yes
Protection degree: IP 67

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

180278 Battery Main Switch — Std pkg 1

Spare key: HC-CARGO 181477. Rubber boot: HC-CARGO 180375.



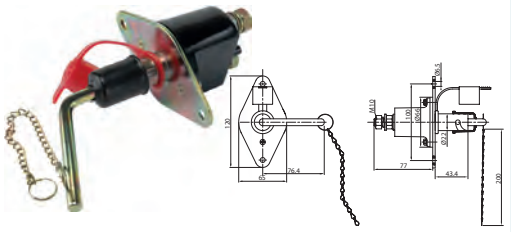
Voltage: 24
Amp/5 sec: 3000
Amp/cont.: 300

Dist. mount. holes:
100 mm

Type: Battery
Material: Metal
Explosion proof/SAEJ1171: Yes
No./mounting holes: 2
Key: Yes
Waterproof: Yes
Protection degree: IP 68

181238 Battery Main Switch — Std pkg 1

Spare key: HC-CARGO 180333. Rubber boot: HC-CARGO 180375.



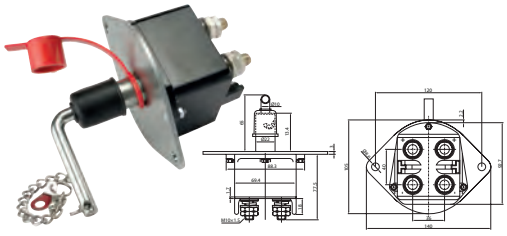
Voltage: 24
Amp/5 sec: 2500
Amp/cont.: 250

Dist. mount. holes:
100 mm

Type: Battery
Material: Metal
No./mounting holes: 2
Key: Yes
Waterproof: Yes
Protection degree: IP 66

181599 Battery Main Switch — Std pkg 1

Rubber boot: HC-CARGO 180375. Spare key: HC-CARGO 181603.



Voltage: 12-24
Amp/5 sec: 2500
Amp/cont.: 250

Dist. mount. holes:
120 mm

Type: Battery
Material: Metal
No./mounting holes: 2
No./poles: 4
Key: Yes
Waterproof: Yes
Protection degree: IP 66

182372 Battery Main Switch — Std pkg 1

w/ removable handle.

Voltage: 12/24
Amp/5 sec: 1000
Amp/cont.: 150

Dist. mount. holes:
45 mm

Type: Battery
Material: Plastic
Explosion proof/SAEJ1171: Yes
No./mounting holes: 2
No./poles: M10
Key: Yes
Waterproof: Yes
Protection degree: IP 68
Approval: SAE J1171
Alternativ no.: 180271

RUBBER BOOTS

180374 Terminal Boot — Std pkg 10 — **Servicing:** HC-CARGO 180216, 180313

Littelfuse

Material: Rubber

180375 Terminal Boot set — Std pkg 1 — **Servicing:** HC-CARGO 180211, 180271, 180272, 180274, 180275, 180276, 180277, 180278, 180289, 180326, 180338, 180238, 181475, 181599

Supplied in kit of 2 pcs.

Littelfuse

Material: Rubber

SPARE KEYS

180029 Key — Std pkg 10 — **Servicing:** HC-CARGO 180203, 180229, 180313, 180596

OD/shaft: 11 mm

No./pins: 2

180143 Key — Std pkg 10 — **Servicing:** HC-CARGO 180028, 180313

OD/shaft: 9 mm

180202 Key — Std pkg 1 — **Servicing:** HC-CARGO 180087

OD/shaft: 15 mm

180273 Key — Std pkg 1 — **Servicing:** HC-CARGO 180272

OD/shaft: 14 mm

180288 Key — Std pkg 5 — **Servicing:** HC-CARGO 180211, 181475

OD/shaft: 14 mm

No./pins: 2

180333 Key — Std pkg 5 — **Servicing:** HC-CARGO 180211, 181238

OD/shaft: 14 mm

No./pins: 1

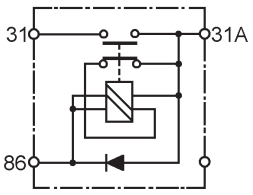
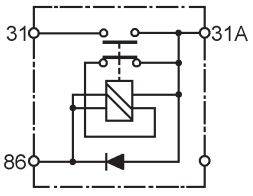
180619 Key — Std pkg 10 — **Servicing:** HC-CARGO 180028, 180203, 180229, 180596

OD/shaft: 11 mm

No./pins: 1
Alternativ no.: 181270

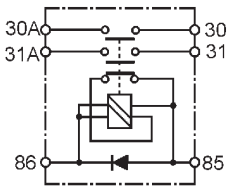
	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
181270 Key — Std pkg 10 — **Servicing:** HC-CARGO 180028, 180216, 180229, 180313			
Littelfuse		**OD/shaft:** 11 mm	**No./pins:** 1 **Alternativ no.:** 180619
181477 Key — Std pkg 1 — **Servicing:** HC-CARGO 180278			
		OD/shaft: 11 mm	
181578 Key — Std pkg 1 — **Servicing:** HC-CARGO 180614			
For battery main switch.			
		OD/shaft: 8 mm	
181603 Key — Std pkg 1 — **Servicing:** HC-CARGO 181599			
For battery main switch.			
		OD/shaft: 15 mm	

ELECTROMAGNETIC

180232 Battery Switch — Std pkg 1 — **Servicing:** Industrial vehicles, buses, tractors, lift trucks and boats - Visit our web catalogue for further information			
Littelfuse 	**Voltage:** 12 **Amp/5 sec:** 2500 **Amp/cont.:** 250		**Type:** Electromagnetic **Switch:** Negative **Protection degree:** IP 65
180233 Battery Switch — Std pkg 1 — **Servicing:** Industrial vehicles, buses, tractors, lift trucks and boats - Visit our web catalogue for further information			
Littelfuse 	**Voltage:** 24 **Amp/5 sec:** 2500 **Amp/cont.:** 250		**Type:** Electromagnetic **Switch:** Negative **Protection degree:** IP 65
180290 Battery Switch — Std pkg 1			
For serial and parallel connction of two 12 V batteries in 12 V systems w/ 24 V starter.			
	Voltage: 12/24 **Amp/5 sec:** 1500 (1 sec) **Amp/cont.:** 75		

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

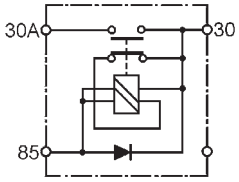
180556 Battery Switch — Std pkg 1



Voltage: 24
Amp/5 sec: 2500
Amp/cont.: 250

Type: Electromagnetic
Switch: Positive/negative
Protection degree: IP 65

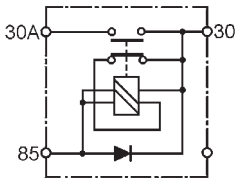
180602 Battery Switch — Std pkg 1



Voltage: 12
Amp/5 sec: 2500
Amp/cont.: 250

Type: Electromagnetic
Switch: Positive
Protection degree: IP 65

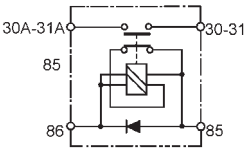
180603 Battery Switch — Std pkg 1



Voltage: 24
Amp/5 sec: 2500
Amp/cont.: 200

Type: Electromagnetic
Switch: Positive
Protection degree: IP 65

180604 Battery Switch — Std pkg 1

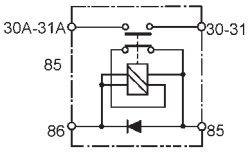


Voltage: 12
Amp/5 sec: 2500
Amp/cont.: 250

Type: Electromagnetic
Switch: Positive/negative
Protection degree: IP 65

180605 Battery Switch — Std pkg 1

w/ seperate power supply.

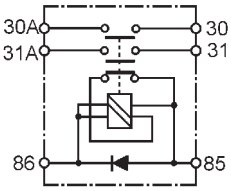


Voltage: 24
Amp/5 sec: 2500
Amp/cont.: 200

Type: Electromagnetic
Switch: Positive/negative
No./mounting holes: 4
Protection degree: IP 65

181476 Battery Switch — Std pkg 1

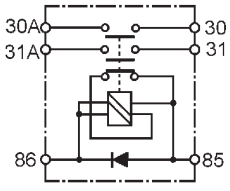
Plug: HC-CARGO 181545.



Voltage: 24
Amp/5 sec: 2500
Amp/cont.: 250

Type: Electromagnetic
Explosion proof/SAEJ1171: Yes
Explosion proof/EN50020(Eex IA): Yes
Switch: Positive/negative
No./mounting holes: 4
No./poles: 4
Protection degree: IP 65
Approval: Ex

181562 Battery Switch — Std pkg 1



Voltage: 12
Amp/5 sec: 2500
Amp/cont.: 250

Switch: Positive/negative
Comp. diode: Yes
Protection degree: IP 65

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

EMERGENCY STOP SWITCHES

181247 Emergency Stop Button — Std pkg 1

Emergency stop button operable w/ push button, turn for reset.

Protection degree: IP 65

181271 Emergency Stop Button — Std pkg 1

Emergency stop button operable w/ push button, turn for reset.

Voltage: 48
Amp: 150

Mount. hole size:
37 mm

Type/terminal: Screw
Protection degree: IP 66

CONTROL BOXES

181244 Control Box — Std pkg 1

Voltage/AC 1: 220
Voltage/DC 1: 24
Voltage/AC 2: 380
Voltage/DC 2: 48
Voltage/AC 3: 500
Voltage/DC 3: 100
Amp/max: 10
Amp/max 2: 4.5
Amp/max 3: 4
Amp/max 4: 5
Amp/max 5: 3
Amp/max 6: 2

No./buttons: 2
Protection degree: IP 65

181245 Control Box — Std pkg 1

Voltage/AC 1: 220
Voltage/DC 1: 24
Voltage/AC 2: 380
Voltage/DC 2: 48
Voltage/AC 3: 500
Voltage/DC 3: 100
Amp/max: 10
Amp/max 2: 4.5
Amp/max 3: 4
Amp/max 4: 5
Amp/max 5: 3
Amp/max 6: 2

No./buttons: 3
Protection degree: IP 65

181246 Control Box — Std pkg 1

Voltage/AC 1: 220
Voltage/DC 1: 24
Voltage/AC 2: 380
Voltage/DC 2: 48
Voltage/AC 3: 500
Voltage/DC 3: 100
Amp/max: 10
Amp/max 2: 4.5
Amp/max 3: 4
Amp/max 4: 5
Amp/max 5: 3
Amp/max 6: 2

No./buttons: 2
Protection degree: IP 65

181540 Remote Lift Control Set — Std pkg 1 — **Servicing:** Lift, doors, ports, winches, hoists etc - Visit our web catalogue for further information

Set of hand transmitter, receiver and antenna. Individual coding. Coverage 50-125 m. w/o emergency stop.

Voltage/AC 1: 12
Voltage/DC 1: 12
Voltage/AC 2: 24
Voltage/DC 2: 24

No./buttons: 3
Protection degree: IP 65

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

181577 Control Box — Std pkg 1

For tail lift.

Voltage/DC 1: 12-24

No./buttons: 3
Protection degree: IP 65

IGNITION/LIGHT

180045 Ignition/Light Switch — Std pkg 1

Spare key: HC-CARGO 180341.

Mount. hole size: 26.5 mm

Switch combination: Parkinglight-off-ignition-sidelight-DRL
No./keys: 2
Terminals: 6

180324 Ignition/Light Switch — Std pkg 1

Spare key: HC-CARGO 180341.

Mount. hole size: 26.5 mm

Switch combination: Parkinglight-off-ignition-sidelight-DRL
No./keys: 2
Terminals: 7

IGNITION STARTER

161906 Ignition/Starting — Std pkg 1 — **Servicing:** MAN, Marshall, Steyr - Visit our web catalogue for further information

w/ standard keys.

BOSCH

Voltage: 12/24

Mount. hole size: 22.5 mm

Type/terminal: Flat
Switch combination: Off-ignition-start
Terminals: 6(4)

161907 Ignition/Starting Switch — Std pkg 1 — **Servicing:** Lamborghini, Same - Visit our web catalogue for further information

w/ standard keys.

BOSCH

Voltage: 12/24

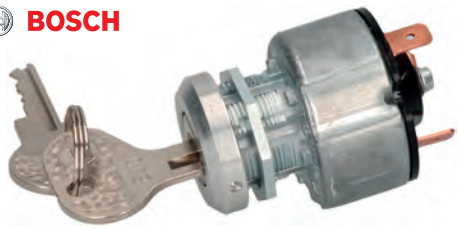
Mount. hole size: 22.5 mm

Type/terminal: Flat
Switch combination: Off-ignition-start
Terminals: 3

161908 Tændings/startkontakt — Std pkg 1

w/ standard keys.

BOSCH



Voltage: 12/24

Mount. hole size: 22.5 mm

Type/terminal: Flat
Switch combination: Off-ignition-start
Terminals: 3

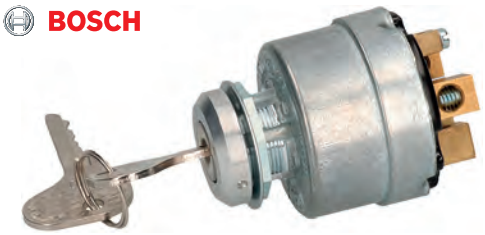
	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
161909 Tændings/startkontakt Std pkg 1	**Servicing:** Alfa Romeo, Lamborghini - Visit our web catalogue for further information		
w/ standard keys.			
BOSCH	**Voltage:** 12/24	**Mount. hole size:** 22.5 mm	**Type/terminal:** Flat **Switch combination:** Off-ignition-start **Terminals:** 3
161910 Tændings/startkontakt Std pkg 1	**Servicing:** Volvo - Visit our web catalogue for further information		
w/ standard keys.			
BOSCH	**Voltage:** 12/24	**Mount. hole size:** 22.5 mm	**Type/terminal:** Flat **Switch combination:** Off-ignition-start **Terminals:** 6(4)
180025 Ignition Starter Switch Std pkg 1			
Spare key: HC-CARGO 180339.			
		Mount. hole size: 18.5 mm	**Switch combination:** Off-ignition **No./keys:** 2 **Terminals:** 3
180027 Ignition Starter Switch Std pkg 1			
Spare key: HC-CARGO 180339. Multiplug: HC-CARGO 181597.			
		Mount. hole size: 18.5 mm	**Switch combination:** Off-ignition-start **No./keys:** 2 **Terminals:** 5
180041 Ignition Starter Switch Std pkg 1			
Spare key: HC-CARGO 180340.			
		Mount. hole size: 26.5 mm	**Switch combination:** Parkinglight-off-ignition-start **No./keys:** 2 **Terminals:** 7 **Protection degree:** IP 63 **DIN norm:** 40050
180043 Ignition Starter Switch Std pkg 1			
Spare key: HC-CARGO 180339.			
		Mount. hole size: 18.5 mm	**Switch combination:** Off-aux-ignition-start **No./keys:** 2 **Terminals:** 4
181518 Ignition Starter Switch Std pkg 1			
Spare key: HC-CARGO 180339.			
		Mount. hole size: 22.5 mm	**Switch combination:** Off-ignition-start **No./keys:** 2 **Terminals:** 5 **Positions:** 1

DIESEL STARTER

161905 Ignition Switch — Std pkg 1 — **Servicing:** Bomag, Claas, Fiat, Volvo BM - Visit our web catalogue for further information

w/ standard keys.

BOSCH



Voltage: 12/24

Mount. hole size: 22.5 mm

Type/terminal: Screw
Switch combination: Off-ignition-glow-start
No./keys: 2
Terminals: 5

180044 Ignition Switch — Std pkg 1 — **Servicing:** Deutz, IH - Visit our web catalogue for further information

Supplied w/ 2 keys. Spare key: HC-CARGO 180340. Multiplug: HC-CARGO 181595, 181596. Rubber Boot: HC-CARGO 181598.

Mount. hole size: 26.5 mm

Switch combination: Parking light-off-ignition-glow-start
No./keys: 2
Terminals: 10
Protection degree: IP 63
DIN norm: 40050

181235 Ignition Switch — Std pkg 1 — **Servicing:** Massey Ferguson - Visit our web catalogue for further information

Spare Key: HC-CARGO 181465. 1=30. 2=15. 3=19.

Mount. hole size: 16 mm

Switch combination: Off-ignition-glow-start
No./keys: 2
Terminals: 6
Positions: 4

181236 Ignition Switch — Std pkg 1 — **Servicing:** Massey Ferguson - Visit our web catalogue for further information

Spare key: HC-CARGO 181465.

Mount. hole size: 16 mm

Switch combination: Start-Off-Glow-Start
No./keys: 2
Terminals: 4
Positions: 4

181237 Ignition Switch — Std pkg 1 — **Servicing:** Massey Ferguson - Visit our web catalogue for further information

Spare key: HC-CARGO 181465.

Mount. hole size: 16 mm

Switch combination: Off-aux-ignition-glow-start
No./keys: 2
Terminals: 7
Positions: 5

RUBBER BOOTS

181598 Rubber Boot — Std pkg 1 — **Servicing:** HC-CARGO 180044

SPARE PARTS

180339 Spare Key — Std pkg 10 — **Servicing:** HC-CARGO 180025, 180027, 180043, 181518

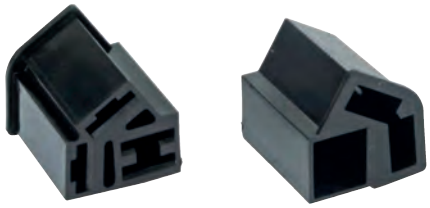
180340 Spare Key — Std pkg 10 — **Servicing:** HC-CARGO 180041, 180044

181465 Spare Key — Std pkg 10 — **Servicing:** HC-CARGO 181235, 181236, 181237

Material: Metal

181595 Central Plug Connector — Std pkg 5 — **Servicing:** HC-CARGO 180044

DIN 46340. Used w/ HC-CARGO 181596.



Type: Socket
Type/terminal: 9.5x1.2
Colour: Black
No./poles: 4
Plug: Female

181596 Central Plug Connector — Std pkg 5 — **Servicing:** HC-CARGO 180044

DIN 46340. Used w/ HC-CARGO 181595.

Type: Socket
Type/terminal: 6.3x0.8
Colour: Black
No./poles: 6
Plug: Female

181597 Central Plug Connector — Std pkg 5 — **Servicing:** HC-CARGO 180027

Type: Socket
Colour: Black
No./poles: 6
Plug: Female

SOLENOIDS

SOLENOID SHUTDOWN-KITS

EXTERNALLY SWITCHED

090095 Solenoid Shutdown Kit Std pkg 1

This solenoid can't switch off by itself, it will have to be controlled externally.

Voltage: 12
Amp/hold: 1.1
Amp/pull: 46

Pull rating: 89N at 25.4 mm
Mount. side: Left
Hold rating: 178N

Elect. connection: Cable
Function: Pull
Mount. type: Flange/bracket
Switch: External

090096 Solenoid Shutdown Kit Std pkg 1

This solenoid can't switch off by itself, it will have to be controlled externally.

Voltage: 12
Amp/hold: 1.1
Amp/pull: 46

Pull rating: 89N at 25.4 mm
Mount. side: Right
Hold rating: 178N

Elect. connection: Cable
Function: Pull
Mount. type: Flange/bracket
Switch: External

090099 Solenoid Shutdown Kit Std pkg 1

This solenoid can't switch off by itself, it will have to be controlled externally.

Voltage: 24
Amp/hold: 0.5
Amp/pull: 25

Pull rating: 89N at 25.4 mm
Mount. side: Left
Hold rating: 178N

Elect. connection: Cable
Function: Pull
Mount. type: Flange/bracket
Switch: External

090100 Solenoid Shutdown Kit Std pkg 1

This solenoid can't switch off by itself, it will have to be controlled externally.

Voltage: 24
Amp/hold: 0.5
Amp/pull: 25

Pull rating: 89N at 25.4 mm
Mount. side: Right
Hold rating: 178N

Elect. connection: Cable
Function: Pull
Mount. type: Flange/bracket
Switch: External

090103 Solenoid Shutdown Kit Std pkg 1 **Servicing:** Nippodenso, Zexel - Visit our web catalogue for further information

This solenoid can't switch off by itself, it will have to be controlled externally.

Voltage: 12
Amp/hold: 1.1
Amp/pull: 55

Pull rating: 89N at 25.4 mm
Mount. side: Left
Hold rating: 178N

Elect. connection: Cable
Function: Pull
Mount. type: Flange/bracket
Switch: External

090104 Solenoid Shutdown Kit Std pkg 1 **Servicing:** Nippodenso, Zexel - Visit our web catalogue for further information

This solenoid can't switch off by itself, it will have to be controlled externally.

Voltage: 12
Amp/hold: 1.1
Amp/pull: 55

Pull rating: 89N at 25.4 mm
Mount. side: Right
Hold rating: 178N

Elect. connection: Cable
Function: Pull
Switch: External

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

090105 Solenoid Shutdown Kit Std pkg 1 **Servicing:** Nippodenso, Zexel - Visit our web catalogue for further information

This solenoid can't switch off by itself, it will have to be controlled externally.

Voltage: 24
Amp/hold: 0.63
Amp/pull: 29

Pull rating: 89N at 25.4 mm
Mount. side: Left
Hold rating: 178N

Elect. connection: Cable
Function: Pull
Switch: External

090106 Solenoid Shutdown Kit Std pkg 1 **Servicing:** Nippodenso, Zexel - Visit our web catalogue for further information

This solenoid can't switch off by itself, it will have to be controlled externally.

Voltage: 24
Amp/hold: 0.63
Amp/pull: 29

Pull rating: 89N at 25.4 mm
Mount. side: Right
Hold rating: 178N

Elect. connection: Cable
Function: Pull
Switch: External

090107 Solenoid Shutdown Kit Std pkg 1

This solenoid can't switch off by itself, it will have to be controlled externally.

Voltage: 12
Amp/hold: 1.1
Amp/pull: 55

Pull rating: 89N at 25.4 mm
Mount. side: Left
Hold rating: 178N

Elect. connection: Multiplug
Function: Pull
Switch: External

090108 Solenoid Shutdown Kit Std pkg 1

This solenoid can't switch off by itself, it will have to be controlled externally.

Voltage: 24
Amp/hold: 0.63
Amp/pull: 29

Pull rating: 89N at 25.4 mm
Mount. side: Left
Hold rating: 178N

Elect. connection: Multiplug
Function: Pull
Switch: External

INTERNALLY SWITCHED

090097 Solenoid Shutdown Kit Std pkg 1

This solenoid can switch off the pull coil, and no external 'control' is necessary.

Voltage: 12
Amp/hold: 1.1
Amp/pull: 46

Pull rating: 89N at 25.4 mm
Mount. side: Left
Hold rating: 178N

Elect. connection: Plug
Function: Pull
Mount. type: Flange/bracket
Switch: Internal

090098 Solenoid Shutdown Kit Std pkg 1

This solenoid can switch off the pull coil, and no external 'control' is necessary.

Voltage: 12
Amp/hold: 1.1
Amp/pull: 46

Pull rating: 89N at 25.4 mm
Mount. side: Right
Hold rating: 178N

Elect. connection: Connection
Function: Pull
Switch: Internal

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

090101 Solenoid Shutdown Kit Std pkg 1

This solenoid can switch off the pull coil, and no external 'control' is necessary.

Voltage: 24
Amp/hold: 0.5
Amp/pull: 25

Pull rating: 89N at 25.4 mm
Mount. side: Left
Hold rating: 178N

Elect. connection: Plug
Function: Pull
Switch: Internal

090102 Solenoid Shutdown Kit Std pkg 1

This solenoid can switch off the pull coil, and no external 'control' is necessary.

Voltage: 24
Amp/hold: 0.5
Amp/pull: 25

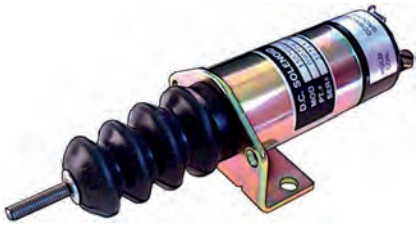
Pull rating: 89N at 25.4 mm
Hold rating: 178N

Plunger: External
Elect. connection: Plug
Function: Pull
Switch: Internal

SOLENOID SHUTDOWN EXTERNALLY SWITCHED

090109 Shutdown Solenoid Std pkg 1

This solenoid can't switch off by itself, it will have to be controlled externally.



Voltage: 12
Amp/hold: 0.7
Amp/pull: 30

Thread size: 6
Thread type: mm
Pull rating: 40N at 25.4 mm
Return spring: 9N
Hold rating: 89N

Plunger: External
Elect. connection: Plug
Function: Pull
Mount. type: Flange/bracket
Switch: External

090110 Shutdown Solenoid Std pkg 1

This solenoid can't switch off by itself, it will have to be controlled externally.

Voltage: 24
Amp/hold: 0.25
Amp/pull: 17

Thread size: 6
Thread type: mm
Pull rating: 40N at 25.4 mm
Return spring: 9N
Hold rating: 89N

Plunger: External
Elect. connection: Plug
Function: Pull
Mount. type: Flange/bracket
Switch: External

090111 Shutdown Solenoid Std pkg 1

This solenoid can't switch off by itself, it will have to be controlled externally.

Voltage: 12
Amp/hold: 0.6
Amp/pull: 44

Thread size: 1/4"
Thread type: Inches
Pull rating: 75N at 25.4 mm
Return spring: 35N
Hold rating: 178N

Plunger: External
Elect. connection: Plug
Function: Pull
Mount. type: Flange/bracket
Switch: External

090113 Shutdown Solenoid Std pkg 1

This solenoid can't switch off by itself, it will have to be controlled externally.

Voltage: 24
Amp/hold: 0.3
Amp/pull: 23

Thread size: 6
Thread type: mm
Pull rating: 75N at 25.4 mm
Return spring: 35N
Hold rating: 178N

Plunger: External
Function: Pull
Mount. type: Flange/bracket
Switch: External
Aux terminal: No

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

090199 Shutdown Solenoid Std pkg 1

This solenoid can't switch off by itself, it will have to be controlled externally.

Voltage: 12
Amp/hold: 1.1
Amp/pull: 46

Thread size: 6
Thread type: mm
Pull rating: 89N at 25.4 mm
Return spring: 17N
Hold rating: 178N

Plunger: External
Elect. connection: Cable
Function: Pull/Push
Mount. type: Flat w/ 2 fixing holes
Switch: External

090200 Shutdown Solenoid Std pkg 1

This solenoid can't switch off by itself, it will have to be controlled externally.

Voltage: 24
Amp/hold: 0.5
Amp/pull: 18

Thread size: 6
Thread type: mm
Pull rating: 67N at 25.4 mm
Return spring: 17N
Hold rating: 178N

Plunger: External
Elect. connection: Cable
Function: Pull/Push
Switch: External

090206 Shutdown Solenoid Std pkg 1 **Servicing:** Yanmar Diesel - Visit our web catalogue for further information

This solenoid can't switch off by itself, it will have to be controlled externally.

Voltage: 12
Amp/hold: 0.49
Amp/pull: 36.5

Thread size: 0.158
Thread type: Inches

Plunger: Internal
Switch: External

090216 Shutdown Solenoid Std pkg 1 **Servicing:** Kubota - Visit our web catalogue for further information

This solenoid can't switch off by itself, it will have to be controlled externally.

Voltage: 12
Amp/hold: 0.7
Amp/pull: 30

Pull rating: 44N at 25.4mm
Return spring: 17N
Hold rating: 85N

Plunger: Internal
Elect. connection: Multiplug
Mount. type: Flange
Switch: External

090225 Shutdown Solenoid Std pkg 1 **Servicing:** Perkins - Visit our web catalogue for further information

This solenoid can't switch off by itself, it will have to be controlled externally.

Voltage: 12
Amp/hold: 0.49
Amp/pull: 36.5

Thread size: 0.25
Thread type: Inches

Plunger: Internal
Switch: External

090226 Shutdown Solenoid Std pkg 1

This solenoid can't switch off by itself, it will have to be controlled externally.

Voltage: 24
Voltage 2: 24
Amp/hold: 0.5
Amp/pull: 25

Thread size: 6
Thread type: mm
Pull rating: 111N at 25.4 mm
Return spring: 7N
Hold rating: 182N

Plunger: External
Elect. connection: Multiplug
Function: Pull
Switch: External

090228 Shutdown Solenoid Std pkg 1 **Servicing:** Yanmar Motors - Visit our web catalogue for further information

This solenoid can't switch off by itself, it will have to be controlled externally.

Voltage: 12
Amp/hold: 0.49
Amp/pull: 36.5

Plunger: Internal
Switch: External

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

090267 Shutdown Solenoid — Std pkg 1 — **Servicing:** Volvo wheel loader - Visit our web catalogue for further information

Syncro start/Woodward.

EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
Voltage: 24 **Amp/hold:** 0.86 **Amp/pull:** 39	**Pull rating:** 129N at 25.4 mm **Hold rating:** 182N	**Plunger:** Cable **Elect. connection:** Multiplug **Function:** Pull **Switch:** External

090281 Shutdown Solenoid — Std pkg 1 — **Servicing:** Volvo - Visit our web catalogue for further information

This solenoid can't switch off by itself, it will have to be controlled externally.

EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
Voltage: 24 **Amp/hold:** 0.5 **Amp/pull:** 25	**Thread size:** 6 **Thread type:** mm **Pull rating:** 89N at 25.4 mm **Hold rating:** 236N	**Plunger:** External **Elect. connection:** Multiplug **Function:** Pull/Push **Mount. type:** Bracket **Switch:** External

090348 Shutdown Solenoid — Std pkg 1

This solenoid can't switch off by itself, it will have to be controlled externally.

EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
Voltage: 12 **Amp/hold:** 1.1 **Amp/pull:** 46	**Thread size:** 6 **Thread type:** mm **Pull rating:** 111N at 25.4 mm **Return spring:** 4-8N **Hold rating:** 182N	**Plunger:** External **Elect. connection:** Cable **Function:** Pull **Mount. type:** Flat w/ 2 fixing holes **Switch:** External

090370 Shutdown Solenoid — Std pkg 1 — **Servicing:** Kubota Z482 - Visit our web catalogue for further information

This solenoid can't switch off by itself, it will have to be controlled externally.

EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
Voltage: 12 **Amp/hold:** 1.1 **Amp/pull:** 46	**Thread size:** 1/4-28 UNF-2A **Pull rating:** 111N **Hold rating:** 182N	**Plunger:** External **Elect. connection:** Cable **Mount. type:** Flat w/ 2 fixing holes **Switch:** External

090373 Shutdown Solenoid — Std pkg 1

This solenoid can't switch off by itself, it will have to be controlled externally.

EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
Voltage: 12 **Amp/hold:** 0.972 **Amp/pull:** 1		**Plunger:** Internal **Elect. connection:** Multiplug **Switch:** External

090431 Shutdown Solenoid — Std pkg 1

This solenoid can't switch off by itself, it will have to be controlled externally.

EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
Voltage: 24 **Voltage 2:** 24 **Amp/hold:** 0.57 **Amp/pull:** 30	**Thread size:** 5/16" **Thread type:** Inches **Pull rating:** 165N **Return spring:** 80-115N **Hold rating:** 391N	**Plunger:** External **Function:** Pull **Mount. type:** Flange/bracket **Switch:** External **Insulated return:** Yes

090439 Shutdown Solenoid — Std pkg 1

This solenoid can switch off the pull coil, and no external 'control' is necessary.

EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
Voltage: 12 **Amp/hold:** 0.76 **Amp/pull:** 41.4	**Thread size:** 6 **Thread type:** mm **Pull rating:** 49N at 25.4 mm **Hold rating:** 89N	**Plunger:** Internal **Switch:** Internal

INTERNALLY SWITCHED

090160 Shutdown Solenoid — Std pkg 1

This solenoid can switch off the pull coil, and no external 'control' is necessary.

Voltage: 12
Amp/hold: 0.7
Amp/pull: 30

Thread size: 6
Thread type: mm
Pull rating: 40N at 25.4 mm
Return spring: 17N
Hold rating: 89N

Plunger: External
Elect. connection: Plug
Mount. type: Flange/bracket
Switch: Internal

090161 Shutdown Solenoid — Std pkg 1

This solenoid can switch off the pull coil, and no external 'control' is necessary.

Voltage: 24
Amp/hold: 0.25
Amp/pull: 17

Thread size: 6
Thread type: mm
Pull rating: 40N at 25.4 mm
Return spring: 17N
Hold rating: 89N

Plunger: Internal
Function: Pull
Mount. type: Flange/bracket
Switch: External
Aux terminal: Yes

090168 Shutdown Solenoid — Std pkg 1

This solenoid can switch off the pull coil, and no external 'control' is necessary.

Voltage: 12
Amp/hold: 0.6
Amp/pull: 44

Thread size: 6
Thread type: mm
Pull rating: 75N at 25.4 mm
Return spring: 35N
Hold rating: 178N

Plunger: External
Mount. type: Flange/bracket
Switch: Internal

090169 Shutdown Solenoid — Std pkg 1

This solenoid can switch off the pull coil, and no external 'control' is necessary.

Voltage: 24
Amp/hold: 0.3
Amp/pull: 23

Thread size: 6
Thread type: mm
Pull rating: 75N at 25.4 mm
Return spring: 35N
Hold rating: 178N

Plunger: External
Elect. connection: Plug
Function: Pull
Mount. type: Flange/bracket
Switch: Internal
Aux terminal: Yes

090210 Shutdown Solenoid — Std pkg 1

This solenoid can switch off the pull coil, and no external 'control' is necessary.

Voltage: 12
Amp/hold: 1.1
Amp/pull: 46

Thread size: 1/4"-28 stud.
Thread type: Inches
Pull rating: 89N at 25.4 mm
Return spring: 9N
Hold rating: 178N

Plunger: External
Elect. connection: Plug
Function: Pull
Mount. type: Flange/bracket
Switch: Internal
Aux terminal: Yes

090268 Shutdown Solenoid — Std pkg 1 — **Servicing:** Kubota 5 series - Visit our web catalogue for further information

This solenoid can switch off the pull coil, and no external 'control' is necessary.

Voltage: 12
Amp/hold: 0.49
Amp/pull: 36.5

Plunger: Internal
Elect. connection: Multiplug
Switch: Internal

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

090297 Shutdown Solenoid Std pkg 1

This solenoid can switch off the pull coil, and no external 'control' is necessary.

Voltage: 24
Amp/hold: 0.5
Amp/pull: 25

Thread size: 1/4-28
Thread type: Inches
Pull rating: 107N at 25.4 mm
Return spring: 7-11N
Hold rating: 169N

Plunger: External
Switch: Internal
Aux terminal: No

090317 Shutdown Solenoid Std pkg 1

This solenoid can switch off the pull coil, and no external 'control' is necessary.

Voltage: 24
Amp/hold: 0.3
Amp/pull: 20

Pull rating: 98N at 32 mm
Return spring: 45N
Hold rating: 245N

Plunger: Internal
Switch: Internal
Coil commander: Yes

090318 Shutdown Solenoid Std pkg 1

This solenoid can switch off the pull coil, and no external 'control' is necessary.

Voltage: 12
Amp/hold: 0.65
Amp/pull: 37

Pull rating: 98N at 32 mm
Return spring: 45N
Hold rating: 245N

Plunger: Internal
Switch: Internal

090334 Shutdown Solenoid Std pkg 1 **Servicing:** Sisu Diesel - Visit our web catalogue for further information

This solenoid can switch off the pull coil, and no external 'control' is necessary.

Voltage: 12
Amp/hold: 1.1
Amp/pull: 46.5

Pull rating: 89N
Hold rating: 178N

Plunger: Internal
Switch: Internal

090402 Shutdown Solenoid Std pkg 1 **Servicing:** Kubota super 5 series - Visit our web catalogue for further information

This solenoid can't switch off by itself, it will have to be controlled externally.

Voltage: 24
Amp/hold: 0.59
Amp/pull: 19.6

Plunger: Internal
Elect. connection: Multiplug
Switch: Internal

090430 Shutdown Solenoid Std pkg 1 **Servicing:** Kubota - Visit our web catalogue for further information

This stop coil cannot interrupt itself and requires an external timer.

Voltage: 12
Amp/hold: 0.49
Amp/pull: 36.5

Thread size: 0.158
Thread type: Inches

Plunger: Internal
Switch: External

090442 Shutdown Solenoid Std pkg 1

This stop coil can itself shut off and does not require an external timer. When the stop coil is fully activated, the built-in switch disconnects in th coil.

Voltage: 12
Amp/hold: 0.75
Amp/pull: 30

Thread size: 6
Thread type: mm
Pull rating: 40N at 25.4 mm
Return spring: 17N
Hold rating: 89N

Plunger: Internal
Switch: Internal

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

PULL COIL TIMER MODULES

090115 Pull Coil Timer — Std pkg 1

Voltage: 12

No./mounting holes: 2
No./wires: 3

090116 Pull Coil Timer — Std pkg 1

Voltage: 24

No./wires: 3

ADVANCE SOLENOIDS

080940 Actuator — Std pkg 1 — **Servicing:** Fiat, Renault - Visit our web catalogue for further information

Voltage: 12

080941 Actuator — Std pkg 1 — **Servicing:** Ford - Visit our web catalogue for further information

Voltage: 12

080942 Actuator — Std pkg 1 — **Servicing:** Renault - Visit our web catalogue for further information

Voltage: 12

081117 Actuator — Std pkg 1

Voltage: 12

SOLENOID STOP

080177 Solenoid Stop — Std pkg 1

Voltage: 12
Voltage 2: 12

Filter: w/o
Insulated return: No

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
080178 Solenoid Stop Std pkg 1			
	Voltage: 24 **Voltage 2:** 24		**Filter:** w/o **Insulated return:** No
080207 Solenoid Stop Std pkg 1			
	Voltage: 12 **Voltage 2:** 12		**Type:** Stop solenoid **Filter:** w/o **Insulated return:** No
080208 Solenoid Stop Std pkg 1			
	Voltage: 24 **Voltage 2:** 24		**Filter:** w/o **Insulated return:** No
080209 Solenoid Stop Std pkg 1			
	Voltage: 12 **Voltage 2:** 12		**Filter:** w/o **Insulated return:** No
080210 Solenoid Stop Std pkg 1			
	Voltage: 24 **Voltage 2:** 24		**Elect. connection:** Plug **Filter:** w/o **Insulated return:** Yes
080211 Solenoid Stop Std pkg 1			
	Voltage: 24 **Voltage 2:** 24		**Filter:** w/o **Insulated return:** No
080212 Solenoid Stop Std pkg 1			
	Voltage: 12 **Voltage 2:** 12		**Elect. connection:** Plug **Filter:** w/o **Insulated return:** Yes

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
080595 Solenoid Stop Std pkg 1			
	Voltage: 12 **Voltage 2:** 12		**Filter:** w/o **Insulated return:** No
080680 Solenoid Stop Std pkg 1			
	Voltage: 12 **Voltage 2:** 12	**Thread size:** M5	**Filter:** w/
080873 Solenoid Stop Std pkg 1			
	Voltage: 12 **Voltage 2:** 12		**Filter:** w/o
080926 Solenoid Stop Std pkg 1			
	Voltage: 24 **Voltage 2:** 24		**Plunger:** Internal **Mount. type:** w/ nuts **Filter:** w/o
080929 Solenoid Stop Std pkg 1			
	Voltage: 12 **Voltage 2:** 12		**Elect. connection:** Cable **Filter:** w/o **Insulated return:** Yes
080995 Solenoid Stop Std pkg 1			
	Voltage: 12 **Voltage 2:** 12		**Elect. connection:** Multiplug **Filter:** w/o **Insulated return:** Yes
080996 Solenoid Stop Std pkg 1			
	Voltage: 24 **Voltage 2:** 24		**Elect. connection:** Multiplug **Filter:** w/o **Insulated return:** Yes

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

080998 Solenoid Stop — Std pkg 1

Voltage: 12
Voltage 2: 12

Filter: w/o
Insulated return: No

081000 Solenoid Stop — Std pkg 1

Voltage: 12
Voltage 2: 12

Function: Push
Type: Coil
Filter: w/o
Insulated return: No

081002 Solenoid Stop — Std pkg 1

Voltage: 24
Voltage 2: 24

Elect. connection: Cable
Function: Push
Filter: w/o
Insulated return: Yes

081166 Solenoid Stop — Std pkg 1

Voltage: 12
Voltage 2: 12

Plunger: Internal
Filter: w/o
Insulated return: No

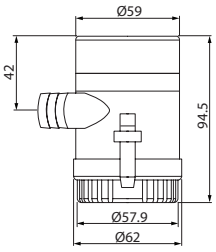
PUMPS & PUMP PARTS

ELECTRICAL BILGE PUMPS

070154 Bilge Pump — Std pkg 1

Model UP500. Completely submersible bilge pump. Compact design w/ ABS material housing, corosion resistant. Shaft seal made of ceramic and graphite which ensures lubrication and leak resistance. Water inlet strainer slots will screen particles present in the bilge allowing easy running. Pump body can be dismantled by a simple snap-off movement for easy inspection and cleaning.

MARCO



Voltage: 12
Amp: 5

Dim.: 94.5x59 mm
Hose connection: 19 mm
Lift height: 4 m
Capacity: 32 l/min
Pressure: 0.45 bar
Pressure: 6.5 PSI

Gasket: Ceramic
Type: Bilge
Pump housing: ABS plastic
Pump shaft: Stainless steel
ISO norm: 8849/8846

070155 Bilge Pump — Std pkg 1

Model UP1000. Completely submersible bilge pump. Compact design w/ ABS material housing, corosion resistant. Shaft seal made of ceramic and graphite which ensures lubrication and leak resistance. Water inlet strainer slots will screen particles present in the bilge allowing easy running. Pump body can be dismantled by a simple snap-off movement for easy inspection and cleaning.

MARCO

Voltage: 12
Amp: 10

Dim.: 124.7x78 mm
Hose connection: 28.6 mm
Lift height: 4 m
Capacity: 63 l/min
Pressure: 0.45 bar
Pressure: 6.5 PSI

Gasket: Ceramic
Type: Bilge
Pump housing: ABS plastic
Pump shaft: Stainless steel
ISO norm: 8849/8846

ACCESSORIES

070160 Automatic Float Switch — Std pkg 1

Made of corrosion resistant materials.

Voltage: 12/24
Amp: 10

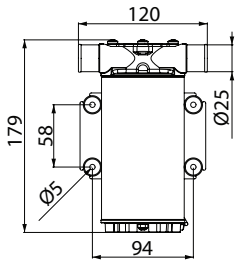
Dim.: 113x83x62 mm
Height/closed: 22
Height/open: 57

Floating switch: w/

ELECTRICAL WATER PUMPS

070144 Water Pump — Std pkg 1 — **Servicing:** Renault - Visit our web catalogue for further information

Model UP1-N. Self priming (1.5 m) electric water pump w/ self-lubricating flexible impeller for prolonged service life and better performance. Pump body made of brass w/ stainless steel shaft and a rubber lip seal. 1/2" BSP inner thread and ID 25 mm bore hose connections. Main application: as a bilge pump.



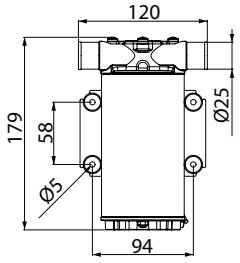
Voltage: 12
Amp: 20

Dim.: 176x120x94 mm
Hose connection: 25 mm
Capacity: 35 l/min
Pressure: 0.8 bar
Pressure: 11.6 PSI

Type: Impeller
Pump housing: Brass
Pump shaft: Stainless steel
Impeller: Rubber
Filter: w/
Non return valve: Yes
ISO norm: 8849/8846

070145 Water Pump — Std pkg 1

Model UP1-N. Self priming (1.5 m) electric water pump w/ self-lubricating flexible impeller for prolonged service life and better performance. Pump body made of brass w/ stainless steel shaft and a rubber lip seal. 1/2" BSP inner thread and ID 25 mm bore hose connections. Main application: as a bilge pump.



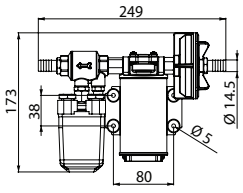
Voltage: 24
Amp: 15

Dim.: 176x120x94 mm
Hose connection: 25 mm
Capacity: 35 l/min
Pressure: 0.8 bar
Pressure: 11.6 PSI

Type: Water Impeller
Pump housing: Brass
Pump shaft: Stainless steel
Impeller: Rubber
Filter: w/
Non return valve: Yes
ISO norm: 8849/8846

070153 Water Pump — Std pkg 1

Model UP3/A. Self priming electric gear pump equipped w/ pressure switch, non-return valve to be used as automatic pump for water pressure system on boats, mobile homes etc. Bronze gears and rubber lip seal.



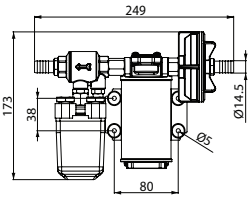
Voltage: 12
Amp: 10

Dim.: 163x249x118 mm
Hose connection: 13 mm
Capacity: 14 l/min
Pressure: 2 bar
Pressure: 29 PSI

Type: Gear
Pump housing: Brass
Pump shaft: Stainless steel
Pinion: PTFE
Filter: w/
Non return valve: Yes

070172 Water Pump — Std pkg 1

Model UP4/A. Self priming electric gear pump equipped w/ pressure switch, non-return valve to be used as automatic pump for water pressure system on boats, mobile homes etc. Bronze gears and rubber lip seal.



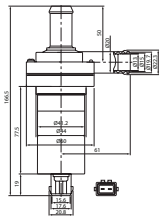
Voltage: 24
Amp: 5

Dim.: 163x249x118 mm
Hose connection: 14 mm
Capacity: 14 l/min
Pressure: 2 bar
Pressure: 29 PSI

Type: Water Gear
Pump housing: Brass
Pump shaft: Stainless steel
Pinion: PTFE
Filter: w/
Non return valve: Yes

CIRCULATION TYPE

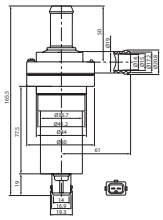
070192 Circulation Pump — Std pkg 1 — **Servicing:** Ford, Seat, VW - Visit our web catalogue for further information



Voltage: 12
Hose connection: 20 mm
Capacity: 14 l/min
Type: Water Impeller

070203 Circulation Pump — Std pkg 1 — **Servicing:** Saab, Scania, Ferrari, Maserati, Opel, Vauxhall - Visit our web catalogue for further information

Junior Timer Connector: HC-CARGO 192146. (see Workshop Cons. & Tools).



Voltage: 12
Hose connection: 19 mm
Capacity: 18 l/min
Type: Water Impeller
Filter: w/

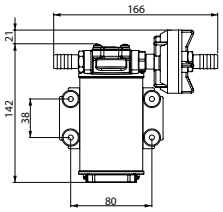
070206 Circulation Pump — Std pkg 1 — **Servicing:** Mercedes-Benz - Visit our web catalogue for further information

Voltage: 12
Hose connection: 19 mm
Capacity: 18 l/min
Type: Water Impeller
Filter: w/o

ELECTRICAL FLUID PUMPS

070147 Fluid Pump — Std pkg 1 — **Servicing:** Main application: transfer of diesel fuel, water antifreeze etc. - Visit our web catalogue for further information

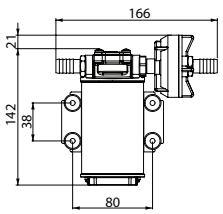
Model UP/3. self-priming 1.5 m. Electric pump w/ bronze gears for transfer of various liquids, complete w/ inline filter. Pump body made of brass w/ stainless steel shaft and a rubber lip seal. 3/8" BSP w/ brass connection for I.D. 14 mm inner tubing.



Voltage: 12
Amp: 10
Dim.: 163x166x95 mm
Hose connection: 14 mm
Capacity: 14 l/min
Pressure: 2 bar
Pressure: 29 PSI
Type: Gear
Pump housing: Brass
Pump shaft: Stainless steel
Pinion: Brass
Filter: w/

070148 Fluid Pump — Std pkg 1 — **Servicing:** Main application: transfer of diesel fuel, water antifreeze etc. - Visit our web catalogue for further information

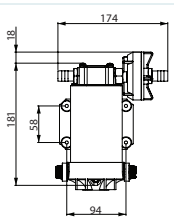
Model UP/3. self-priming 1.5 m. Electric pump w/ bronze gears for transfer of various liquids, complete w/ inline filter. Pump body made of brass w/ stainless steel shaft and a rubber lip seal. 3/8" BSP w/ brass connection for I.D. 14 mm inner tubing.



Voltage: 24
Amp: 5
Dim.: 163x166x95 mm
Hose connection: 14 mm
Capacity: 14 l/min
Pressure: 2 bar
Pressure: 29 PSI
Type: Gear
Pump housing: Brass
Pump shaft: Stainless steel
Pinion: Brass
Filter: w/

070149 Fluid Pump — Std pkg 1 — **Servicing:** Main application: transfer of diesel fuel, water antifreeze etc. - Visit our web catalogue for further information

Self-priming electric pump w/ helical bronze gears, complete w/ in-line filter. Nickel plated brass body w/ stainless steel shaft. Ports: 1/2" BSP w/ brass connection for Ø 16 mm inner tubing.



Voltage: 12
Amp: 15
Dim.: 199x174x108 mm
Hose connection: 16 mm
Capacity: 26 l/min
Pressure: 2 bar
Pressure: 29 PSI
Type: Fluid Gear
Pump housing: Brass
Pump shaft: Stainless steel
Pinion: Brass
Filter: w/

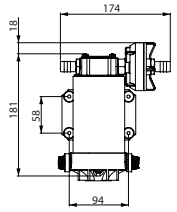
	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

070150 Fluid Pump — Std pkg 1

Servicing: Main application: transfer of diesel fuel, water antifreeze etc. - Visit our web catalogue for further information

Self-priming electric pump w/ helical bronze gears, complete w/ in-line filter. Nickel plated brass body w/ stainless steel shaft. Ports: 1/2" BSP w/ brass connection for Ø 16 mm inner tubing.

MARCO



Voltage: 24
Amp: 7.5

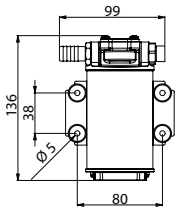
Dim.: 199x174x108 mm
Hose connection: 16 mm
Capacity: 26 l/min
Pressure: 2 bar
Pressure: 29 PSI

Type: Gear
Pump housing: Brass
Pump shaft: Stainless steel
Pinion: Brass
Filter: w/

070151 Fluid Pump — Std pkg 1

Model UP3/ oil. Self-priming 1 m. Electrical gear pump particularly suitable for the transfer of lubricating oils or viscous liquids. Complete w/ two brass connections for 14 mm inner tube and one additional quick-fit for 8 mm external tubing. The pump can be used for extracting lubricating oil out of oil sumps of engines. Pump body made of brass w/ bronze gears, stainless steel shaft and a rubber lip seal.

MARCO



Voltage: 12
Amp: 7.5

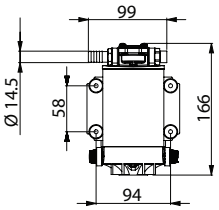
Dim.: 139x108x86 mm
Hose connection: 14 mm
Capacity: 5.5 l/min
Pressure: 29 PSI

Gasket: Rubber
Type: Fluid Gear
Pump housing: Brass
Pump shaft: Stainless steel
Pinion: Bronze
Non return valve: Yes

070152 Fluid Pump — Std pkg 1

Model UP6/ oil. Self-priming 1.5 m. Electrical gear pump particularly suitable for the transfer of lubricating oils or viscous liquids. Professional model complete w/ two brass connections for 14 mm inner tube and one additional quick-fit for 8 mm external tubing. The pump can be used for extracting lubricating oil out of oil sumps of engines. Pump body made of brass w/ bronze gears, stainless steel shaft and a rubber lip seal.

MARCO



Voltage: 12
Amp: 10

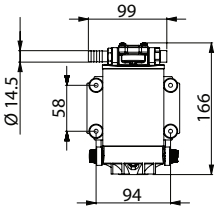
Dim.: 166x117x94 mm
Hose connection: 14 mm
Capacity: 8 l/min
Pressure: 2 bar
Pressure: 29 PSI

Type: Fluid Gear
Pump housing: Brass
Pump shaft: Stainless steel
Pinion: Bronze

070173 Fluid Pump — Std pkg 1

Model UP6 w/ oil. Self-priming 1.5 m. Electrical gear pump particularly suitable for the transfer of lubricating oils or viscous liquids. Professional model complete w/ two brass connections for 14 mm inner tube and one additional quick-fit for 8 mm external tubing. The pump can be used for extracting lubricating oil out of oil sumps of engines.

MARCO



Voltage: 24
Amp: 7.5

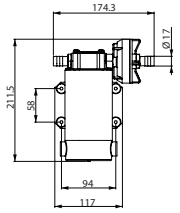
Dim.: 166x117x94 mm
Hose connection: 14 mm
Capacity: 8 l/min
Pressure: 2 bar
Pressure: 29 PSI

Type: Fluid Gear
Pump housing: Brass
Pump shaft: Stainless steel
Impeller: Rubber
Pinion: Bronze

070208 Electrical Fluid Pump HD — Std pkg 1

Model UP12. Self-priming 4 m. Heavy Duty.

MARCO



Voltage: 12
Amp: 30

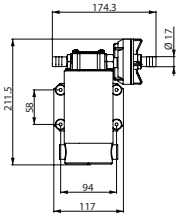
Dim.: 212x174x109 mm
Hose connection: 16 mm
Capacity: 40 l/min
Pressure: 2.5 bar
Pressure: 36 PSI

Type: Fluid Gear
Pump housing: Brass
Pump shaft: Stainless steel
Pinion: Bronze
Filter: w/
Non return valve: Yes

070209 Electrical Fluid Pump HD — Std pkg 1

Model UP12. Self-priming 4 m. Heavy Duty.

MARCO



Voltage: 24
Amp: 15

Dim.: 212x174x109 mm
Hose connection: 16 mm
Capacity: 40 l/min
Pressure: 2.5 bar
Pressure: 36 PSI

Type: Fluid Gear
Pump housing: Brass
Pump shaft: Stainless steel
Pinion: Bronze
Filter: w/
Non return valve: Yes

SPARE PARTS

070182 Brush Set — Std pkg 1 — **Servicing:** HC-CARGO 070144, -145, -149, -150, -152

Length: 18.1 mm
Height: 8.6 mm
Thickness: 5.6 mm

ELECTRICAL FUEL PUMPS

DIESEL PUMP KITS

070162 Diesel Transfer/Filter Kit — Std pkg 1

Includes: 2.5 m suction hose. 2.5 m pressure hose w/ gun. Wired connection w/ alligator clips. Switch on the pump. Bypass valve on the pump ensures that it is not overloaded by closed gun. Not for gasoline.

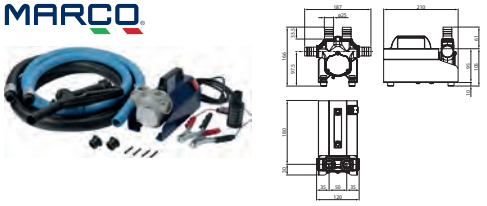
Voltage: 12
Amp: 15

Dim.: 210x161x120 mm
Hose connection: 25 mm
Capacity: 45 l/min
Pressure: 1.2 bar
Pressure: 17.4 PSI

Type: Fluid Gear
Impeller: Steel
Filter: w/

070175 Diesel Transfer/Filter Kit — Std pkg 1

2.5 m suction hose w/ filter. 2.5 m pressure hose w/ gun. 2 m cable w/ alligator clips. Switch on the pump. Bypass valve on the pump ensure against overloading. Not for gasoline.



Voltage: 24
Amp: 7.5

Dim.: 210x161x120 mm
Hose connection: 25 mm
Capacity: 45.1 l/min
Pressure: 1.2 bar
Pressure: 17.4 PSI

Type: Fluid
Filter: w/

INTERRUPTER PUMPS

070003 Fuel Pump — Std pkg 1

Remember 2 pcs. of 6 mm hose nipples: HC-CARGO 070077. 8 mm: HC-CARGO 080955. 8 mm angle: HC-CARGO 070181. Filter: HC-CARGO 070177.

Voltage: 12

Capacity: 113.5 l/h
Pressure: 4-5 PSI

Type: Universal
Alternativ no.: 070215

070004 Fuel Pump — Std pkg 1

Incl. 2 pcs. 6 mm hose nipples. 8 mm: HC-CARGO 080955. 8 mm angle: HC-CARGO 070181. Filter: HC-CARGO 070177.

Voltage: 24

Capacity: 113.5 l/h
Pressure: 4-5 PSI

Type: Universal
Alternativ no.: 070216

070058 Fuel Pump — Std pkg 1 — **Servicing:** Thermo King, Carrier - Visit our web catalogue for further information

Incl. 2 pcs. 6 mm hose nipples. 8 mm: HC-CARGO 080955. 8 mm angle: HC-CARGO 070181. Filter: HC-CARGO 070177.

Voltage: 12

Capacity: 87 l/h
Pressure: 7-9.5 PSI

Type: Universal
Alternativ no.: 070222

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

070134 Fuel Pump — Std pkg 1 — **Servicing:** New-Holland, Same - Visit our web catalogue for further information

Filter: HC-CARGO 070177.

Voltage: 12

Thread: In 1/4-18"
Capacity: 136 l/h
Pressure: 4-5 PSI

Type: Universal
Alternativ no.: 070223

070214 Fuel Pump — Std pkg 1

w/ integral filter.

Voltage: 12

Thread: 1/8-27 INT
Capacity: 150-227 l/h
Pressure: 9-11.5 PSI

Fuel: Gasoline, diesel, ethanol, methanol
Type: Universal
Alternativ no.: 070228

070215* Fuel Pump — Std pkg 1

Remember 2 pcs. of 6 mm hose nipples: HC-CARGO 070077. 8 mm: HC-CARGO 080955. 8 mm angle: HC-CARGO 070181. Filter: HC-CARGO 070177.

Alternativ no.: 070003

070216* Fuel Pump — Std pkg 1

Alternativ no.: 070004

070222* Fuel Pump — Std pkg 1

Alternativ no.: 070058

ACCESSORIES

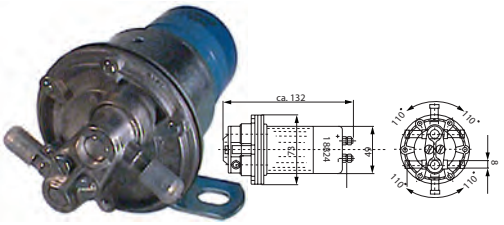
070177 Filter — Std pkg 1 — **Servicing:** HC-CARGO 070003, 070004, 070058, 070134

Alternativ no.: 070224

PRESSURE PUMPS

070032 Fuel Pump — Std pkg 1

Hose nipple 8 mm. Suction 1 mtr. Connectors can be rotated. Fitting instruction included.



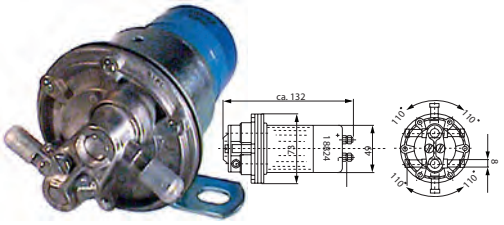
Voltage: 12

Capacity: 120 l/h
Pressure: 0.2 bar

Fuel: Gasoline, diesel, ethanol, methanol
Type: Universal

070078 Fuel Pump — Std pkg 1

Hose nipple 8 mm. Suction 1.5 mtr. Connectors can be rotated. Fitting instruction included.



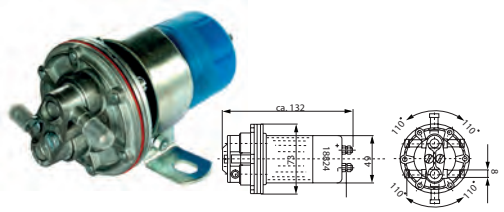
Voltage: 12

Capacity: 125 l/h
Pressure: 0.35 bar

Type: Universal

070107 Fuel Pump — Std pkg 1

Hose nipple 8 mm. Suction 1.5 mtr. Connectors can be rotated. Fitting instruction included.



Voltage: 24

Capacity: 130 l/h
Pressure: 0.35 bar

Fuel: Gasoline, diesel, ethanol, methanol
Type: Universal

070161 Fuel Pump — Std pkg 1

Hose nipple 8 mm.

Voltage: 12

Capacity: 80-150 l/h
Pressure: 0.1-0.4 kg
Pressure: 1.4-5.7 PSI

Type: Universal

HIGH PERFORMANCE FUEL PUMPS

070187 Fuel Pump — Std pkg 1

Hose nipple 6 mm: HC-CARGO 070077, 8 mm: HC-CARFO 080955 not included.

Voltage: 12

Thread: In 1/8"-27 NPTF
Capacity: 95 l/h
Pressure: 0.1-0.28 bar
Pressure: 0.1-0.3 kg
Pressure: 1.5-4 PSI

Fuel: Gasoline, diesel, ethanol, methanol
Type: Universal
Alternativ no.: 070225

070188 Fuel Pump — Std pkg 1

Replaceable hose nipple. Supplied w/ 2 pcs. 6 mm hose connection.

Voltage: 12

Thread: In 1/8"-27 NPTF
Capacity: 132 l/h
Pressure: 0.3-0.5 kg
Pressure: 4-7 PSI

Fuel: Gasoline, diesel, ethanol, methanol
Type: Universal
Alternativ no.: 070226

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

070191 Fuel Pump Std pkg 1

Hose nipple 6 mm: HC-CARGO 070077, 8 mm: HC-CARFO 080955 not included.

Voltage: 12

Thread: 1/8 - 27NPTF
Capacity: 130 l/h
Pressure: 0.5-0.7 kg
Pressure: 7-10 PSI

Fuel: Gasoline, diesel, ethanol, methanol
Type: Universal
Alternativ no.: 070227

SOLID STATE PUMPS

070056 Fuel Pump Std pkg 1 **Servicing:** Caterpillar, IH/Case - Visit our web catalogue for further information

Hose nipples: HC-CARGO 070077 not included.

Voltage: 24

Capacity: 121 l/h
Pressure: 0.3-0.45 kg
Pressure: 4.5-6 PSI

Type: Universal
Alternativ no.: 070220

070057 Fuel Pump Std pkg 1 **Servicing:** Thermo King etc - Visit our web catalogue for further information

Hose nipples: HC-CARGO 070077 not included.

Voltage: 12

Capacity: 121 l/h
Pressure: 0.7 kg
Pressure: 10 PSI

Fuel: Gasoline, diesel, ethanol, methanol
Type: Universal
Alternativ no.: 070221

070220* Fuel Pump Std pkg 1

Voltage: 24

Capacity: 120 l/h

Fuel: Gasoline, diesel, ethanol, methanol
Type: Universal
Alternativ no.: 070056

070221* Fuel Pump Std pkg 1

Voltage: 12

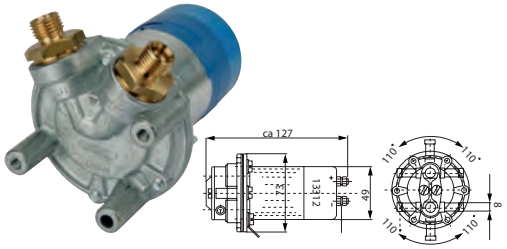
Capacity: 120 l/h

Fuel: Gasoline, diesel, ethanol, methanol
Type: Universal
Alternativ no.: 070057

SUCTION PUMPS

070019 Fuel Pump Std pkg 1 **Servicing:** Bobcat - Visit our web catalogue for further information

Suction 0.2 bar = 2.7 mtr. Fitting instruction included.



Voltage: 12

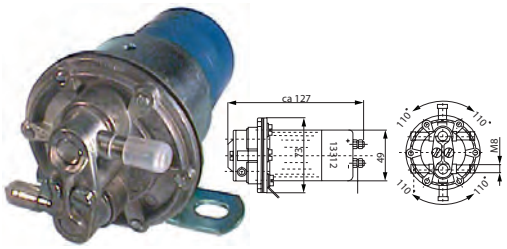
Thread: Out R-1/4"
Capacity: 120 l/h
Pressure: 0.2 bar

Fuel: Gasoline
Type: Universal

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

070021 Fuel Pump — Std pkg 1 — **Servicing:** VW - Visit our web catalogue for further information

Hose nipple 8 mm. Suction 1 mtr. Connectors can be rotated. Fitting instruction included.



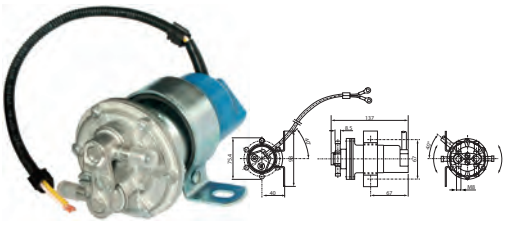
Voltage: 12

Capacity: 80 l/h
Pressure: 0.15 bar

Fuel: Gasoline/diesel
Type: Universal

070184 Fuel Pump — Std pkg 1 — **Servicing:** VW marine - Visit our web catalogue for further information

Hose nipple 8 mm. Waterproof. Suction 1 mtr. Connectors can be rotated.



Voltage: 12

Capacity: 120 l/h
Pressure: 0.15 bar

Fuel: Gasoline, diesel, ethanol, methanol
Type: Universal

UNIVERSAL

HOSE NIPPLES

070067 Hose Nipple — Std pkg 2

Hose ID: 10 mm
Thread: R1/4

070070 Hose Nipple — Std pkg 2

Hose ID: 10 mm
Thread: M16-1.5

070077 Hose Nipple — Std pkg 2

Hose ID: 6 mm
Thread: 1/8-27 NPTF

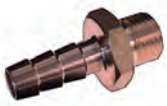
070181 Hose Nipple — Std pkg 2 — **Servicing:** HC-CARGO 070003, 070004, 070058

90°.

Hose ID: 8 mm
Thread: R1/8

080854 Hose Nipple — Std pkg 5

Hose ID: 8 mm
Thread: M14-1.5

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
080855 Hose Nipple Std pkg 5			
		Hose ID: 10 mm **Thread:** R1/2	
080857 Hose Nipple Std pkg 5			
		**Hose ID:** 8 mm **Thread:** 1/2-20 UNF	
080858 Hose Nipple Std pkg 5			
		Hose ID: 8 mm **Thread:** M16-1.5	
080875 Hose Nipple Std pkg 5			
		Hose ID: 11 mm **Thread:** M16-1.5	
080954 Hose Nipple Std pkg 2			
		Hose ID: 6 mm **Thread:** M14-1.5	
080955 Hose Nipple Std pkg 2	**Servicing:** HC-CARGO 807002, 070003, 070004, 070058		
		Hose ID: 8 mm **Thread:** 1/8-27 NPTF	
080958 Hose Nipple Std pkg 5			
		Hose ID: 10 mm **Thread:** M18-1.5	
080959 Hose Nipple Std pkg 5			
		Hose ID: 10 mm **Thread:** M14-1.5	

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

080960 Hose Nipple — Std pkg 5

Hose ID: 10 mm
Thread: 1/2-20 UNF

081039 Nipple — Std pkg 10 — **Servicing:** Bosch - Visit our web catalogue for further information

90°.

081040 Nipple — Std pkg 10 — **Servicing:** Bosch - Visit our web catalogue for further information

T- nippel.

FUEL INJECTION PUMPS

070053 Fuel Injection Pump — Std pkg 1 — **Servicing:** Abarth, Alfa Romeo, Austin, BMW, Citroen, Fiat, Jaguar, Lancia, Land Rover, Mercedes-Benz, Opel, Peugeot, Pininfarina - Visit our web catalogue for further information

Voltage: 12
Capacity: 143.85 l/h
Pressure: 2-3.5 bar
Alternativ no.: 070217

070054 Fuel Injection Pump — Std pkg 1 — **Servicing:** Alfa Romeo, Citroen, Fiat, Jaguar, Mercedes-Benz, Peugeot, Porsche, Renault, Saab, Volvo - Visit our web catalogue for further information

Voltage: 12
Capacity: 143.85 l/h
Pressure: 4 bar
Alternativ no.: 070218

070055 Fuel Injection Pump — Std pkg 1 — **Servicing:** Ford, Mercedes-Benz - Visit our web catalogue for further information

Voltage: 12
Capacity: 121 l/h
Pressure: 3 bar
Alternativ no.: 070219

FILTERS & FILTER PARTS

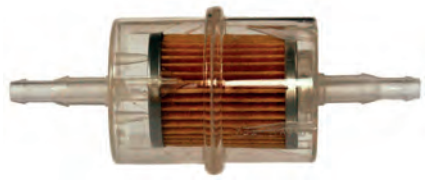
FUEL FILTERS

090193 Filter House — Std pkg 1

90 l/hour. Glass Bowl: HC-CARGO 090073. Filter Cup: HC-CARGO 090127.

Thread: M14-1.5
Water separator: Yes

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
090194 Filter House Std pkg 1			
		Thread: 1/2"-20 UNF	**Water separator:** Yes
090203 Filter House Std pkg 1		**Servicing:** Ford Fiesta, Mondeo, Transit - Visit our web catalogue for further information	
150 l/hour.			
		Hose nipple: 8 mm **Thread:** M14-1.5	**Hand pump:** Yes **Water separator:** Yes
090213 Filter House Std pkg 1			
Flow 150 l/h. Glass Bowl: HC-CARGO 090074.			
		Thread: M14-1.5	**Fuel:** Diesel **Water separator:** Yes
090345 Filter Kit Std pkg 1			
Filter Top: HC-CARGO 090319.			
		Hose nipple: w/o mm **Thread:** M14-1.15	
090346 Filter Kit Std pkg 1			
Filter Top: HC-CARGO 090320.			
		Thread: 1/2-20UNF	
090404 Filter House Std pkg 1			
Glass Bowl: HC-CARGO 090074.			
		Thread: 1/2"-20	**Water separator:** Yes
AS301 Fuel Filter Std pkg 1		**Servicing:** Alfa Romeo, Audi, Citroen, Fiat, Ford, Land Rover, Peugeot, Renault, Seat, Volvo - Visit our web catalogue for further information	
			Fuel: Diesel

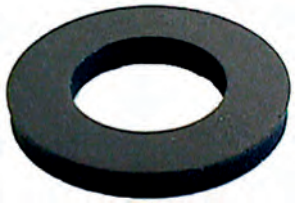
	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
RT1000 Fuel Filter Std pkg 12			
		**ID/hose:** 6 mm **ID/hose 2:** 8 mm	**Fuel:** Gasoline **Universal:** Yes **Transparent:** Yes
RT1003 Fuel Filter Std pkg 24			
		ID/hose: 6 mm **ID/hose 2:** 8 mm	**Fuel:** Gasoline **Universal:** Yes **Transparent:** Yes
RT1005 Fuel Filter Std pkg 12			
		ID/hose: 6 mm **ID/hose 2:** 6 mm	**Fuel:** Gasoline **Universal:** Yes **Transparent:** Yes
RT2002 Fuel Filter Std pkg 24	**Servicing:** Mercedes-Benz - Visit our web catalogue for further information		
Only for diesel fuel.			
		ID/hose: 6 mm **ID/hose 2:** 8 mm	**Fuel:** Diesel **Universal:** Yes **Transparent:** Yes
RT2006 Fuel Filter Std pkg 6			
281 micron.			
		ID/hose: 6 mm **ID/hose 2:** 8 mm	**Fuel:** Diesel **Universal:** Yes **Transparent:** Yes
RT2016 Fuel Filter Std pkg 12	**Servicing:** Seat, Peugeot, VW, Volvo, Vauxhall, Peugeot, Seat, Vauxhall, Volvo, VW - Visit our web catalogue for further information		
		ID/hose: 6 mm **ID/hose 2:** 8 mm	**Fuel:** Diesel **Universal:** Yes **Transparent:** Yes

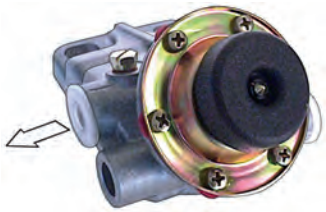
WATER SEPARATOR

090145 Water Separator Std pkg 1			
		Thread: M14-1.5	**Universal:** Yes

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
090146 Water Separator Std pkg 1			
		Thread: 1/2"-20 UNF	**Universal:** Yes

SPARE PARTS

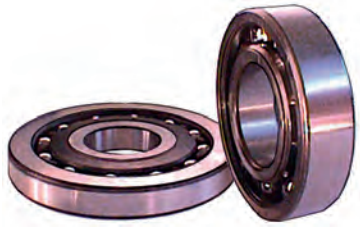
080194 O-ring Std pkg 10			
		ID: 6 mm **Thickness:** 2 mm	**Material:** Rubber
080465 Gasket Std pkg 10		**Servicing:** CAV - Visit our web catalogue for further information	
		**ID:** 15 mm **OD:** 28 mm **Thickness:** 3 mm	
080701 Gasket Std pkg 10		**Servicing:** CAV - Visit our web catalogue for further information	
For filter glass.			
		ID: 80 mm **OD:** 88 mm **Thickness:** 3 mm	
080702 Gasket Std pkg 10		**Servicing:** CAV - Visit our web catalogue for further information	
For filter glass.			
		ID: 77 mm **OD:** 84 mm **Thickness:** 3 mm	
080805 Gasket Std pkg 10		**Servicing:** CAV - Visit our web catalogue for further information	
For filter glass.			
		ID: 41.5 mm **OD:** 54 mm **Thickness:** 3 mm	
081007 Gasket Kit Std pkg 1		**Servicing:** CAV - Visit our web catalogue for further information	

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
090071 Single Cover Std pkg 1			
		Thread: M14-1.5	**Universal:** Yes
090072 Single Cover Std pkg 1			
		Thread: 1/2"-20 UNF	**Universal:** Yes
090073 Glass Bowl Std pkg 1	**Servicing:** HC-CARGO 090193		
090127 Filter Cup Std pkg 1	**Servicing:** HC-CARGO 090193		
090166 Filter Cover Std pkg 1			
Filter thread 16x1.5 mm.			
		**Thread:** M14-1.5	**Hand pump:** Yes
090167 Filter Cover Std pkg 1	**Servicing:** Bosch, VW, GM - Visit our web catalogue for further information		
Filter thread 16x1.5 mm.			
		Thread: M14-1.5	**Hand pump:** Yes **Universal:** Yes
090172 Glass Std pkg 1			
For water separator.			

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
090316 Filter Top Std pkg 1			
		Thread: M14-1.5	**Hand pump:** Yes **Universal:** Yes
090319 Filter Top Std pkg 1 **Servicing:** HC-CARGO 090345			
		Thread: M14-1.5	
090320 Filter Top Std pkg 1 **Servicing:** HC-CARGO 090346			
		Thread: 1/2"-20 UNF	
090347 Filter Top Std pkg 1 **Servicing:** Japanese appl - Visit our web catalogue for further information			
8 mm hose I.D.			
		Thread: 20x1.5	**Hand pump:** Yes **Universal:** Yes
090381 Filter Top Std pkg 1			
Filter thread 16x1.5 mm.			
		Thread: 14x1.5	**Universal:** Yes

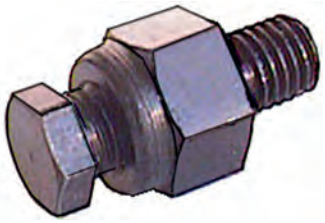
DIESEL PARTS

BEARINGS

090061 Repair Kit Std pkg 1			
			

DIESEL PUMP PARTS

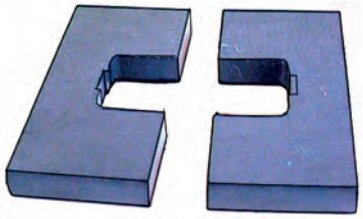
080038 Air Screw — Std pkg 1 — **Servicing:** DPA - Visit our web catalogue for further information



080114 Hollow Screw — Std pkg 1

Thread: M12-1.5 **Hole size:** 5.5 mm — **Calibrated:** Yes

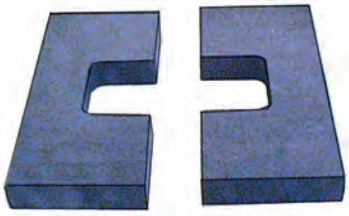
080614 Rotor Vane Set — Std pkg 1 — **Servicing:** CAV DPA/DPC - Visit our web catalogue for further information



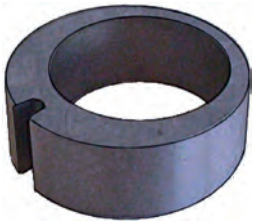
080752 Diaphragm — Std pkg 1 — **Servicing:** DPC - Visit our web catalogue for further information

080757 Diaphragm — Std pkg 1 — **Servicing:** DPS - Visit our web catalogue for further information

080773 Rotor Vane Set — Std pkg 1 — **Servicing:** DPA - Visit our web catalogue for further information

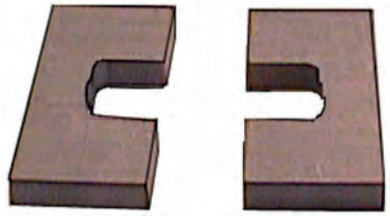


080815 Liner — Std pkg 1 — **Servicing:** CAV DPA - Visit our web catalogue for further information



	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

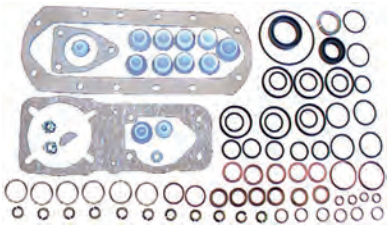
080824 Rotor Vane Set Std pkg 1



080969 Diaphragm Std pkg 1 **Servicing:** DPC - Visit our web catalogue for further information

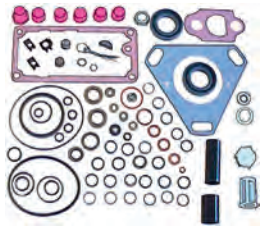
Diaphragm set for boost controller.

090027 Repair Kit Std pkg 1 **Servicing:** Bosch - Visit our web catalogue for further information



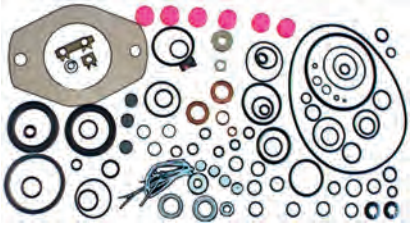
090047 Repair Kit Std pkg 1 **Servicing:** CAV DPA pumps - Visit our web catalogue for further information

090055 Gasket Kit Std pkg 1 **Servicing:** CAV DPS - Visit our web catalogue for further information



090062 Damper Std pkg 1 **Servicing:** Bosch - Visit our web catalogue for further information

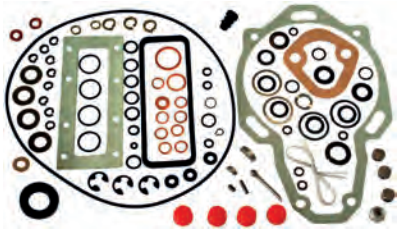
090136 Gasket Kit Std pkg 1 **Servicing:** CAV DPC "Turbo" - Visit our web catalogue for further information



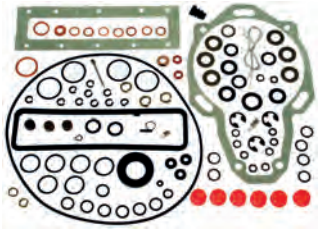
	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

090150 End Plate — Std pkg 1

090222 Gasket Kit — Std pkg 1 — **Servicing:** Simms Minimec 4 cyl, CAV - Visit our web catalogue for further information



090223 Gasket Kit — Std pkg 1



090242 Gasket Kit — Std pkg 1 — **Servicing:** Stanadyne DB2 - Visit our web catalogue for further information

090277 Start Advance — Std pkg 1 — **Servicing:** Talbot - Visit our web catalogue for further information

090278 Start Advance — Std pkg 1 — **Servicing:** Citroen, Peugeot - Visit our web catalogue for further information

090294 Gasket Kit — Std pkg 1 — **Servicing:** CAV Epic, Lucas Epic - Visit our web catalogue for further information

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

090344 Gasket Kit — Std pkg 1 — **Servicing:** Stanadyne DB4 - Visit our web catalogue for further information

090441 Gasket Kit — Std pkg 1 — **Servicing:** VW. - Visit our web catalogue for further information

Repair kit for VW injector pumps. Incl. Parts for 1 injectors.

FEED PUMPS

090015 Feed Pump — Std pkg 1

Type: Plunger
Valves: 2

090016 Feed Pump — Std pkg 1

Type: Plunger
No./mounting holes: 2
Valves: 2

090020 Feed Pump — Std pkg 1

Type: Plunger
Valves: 2

090151 Feed Pump — Std pkg 1 — **Servicing:** Hatz - Visit our web catalogue for further information

Type: Diaphragm

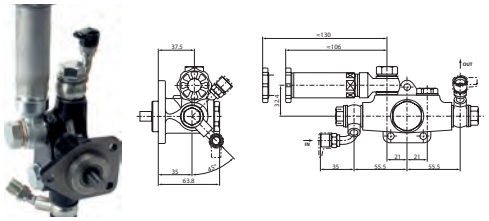
090156 Feed Pump — Std pkg 1 — **Servicing:** Cummins, DAF, I.H - Visit our web catalogue for further information

Type: Diaphragm

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
090187 Feed Pump Std pkg 1	**Servicing:** Fiat, Iveco, New Holland - Visit our web catalogue for further information		
			Type: Diaphragm
090197 Feed Pump Std pkg 1	**Servicing:** Ford Transit 2.5 L - Visit our web catalogue for further information		
			Type: Diaphragm
090198 Feed Pump Std pkg 1			
			Type: Plunger
090202 Feed Pump Std pkg 1			
			Type: Plunger
090235 Feed Pump Std pkg 1	**Servicing:** Vetus, Volvo Penta - Visit our web catalogue for further information		
		Mount. hole dist.: 44.5 mm **Thread type/inlet:** M12x1 **Thread type/outlet:** M12x1	**Type:** Diaphragm **No./mounting holes:** 2
090250 Feed Pump Std pkg 1	**Servicing:** Cummins - Visit our web catalogue for further information		
			Type: Diaphragm
090251 Feed Pump Std pkg 1	**Servicing:** Cummins - Visit our web catalogue for further information		
			Type: Plunger

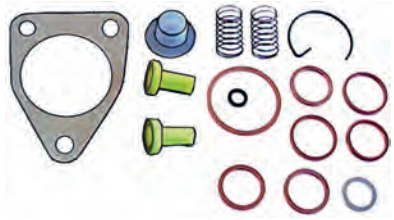
	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
090253 Feed Pump Std pkg 1	**Servicing:** Kubota Industry - Visit our web catalogue for further information		
			Type: Diaphragm
090254 Feed Pump Std pkg 1			
			Type: Diaphragm
090314 Feed Pump Std pkg 1			
			Type: Diaphragm
090315 Feed Pump Std pkg 1			
			Type: Plunger
090333 Feed Pump Std pkg 1			
			Type: Diaphragm
090337 Feed Pump Std pkg 1			
			Type: Diaphragm
090391 Feed Pump Std pkg 1	**Servicing:** Cummins - Visit our web catalogue for further information		

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
090440 Feed Pump — Std pkg 1 — **Servicing:** Thermo King and Carrier - Visit our web catalogue for further information			**Type:** Zexel



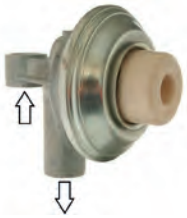
SPARE PARTS

080059 Valve Repair Kit — Std pkg 1



080064 Valve Repair Kit — Std pkg 1

080071 Hand Pump — Std pkg 1



Thread: M14-1.5
Inlet size: 14

Type: Universal

080097 Oil Seal — Std pkg 10 — **Servicing:** VE pumps - Visit our web catalogue for further information

ID: 20 mm
OD: 31.1 mm
Height: 6.9 mm

080099 Gasket — Std pkg 10 — **Servicing:** HC-CARGO 080730, Bosch VE

Type: Diesel
Material: Viton

080168 Repair Kit — Std pkg 1

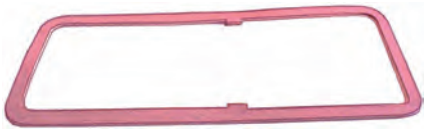
Bushing lenght: 40.5 mm.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

080170 Repair Kit — Std pkg 1 — **Servicing:** HC-CARGO 080730, 0460494251

Bushing lenght: 30.5 mm.

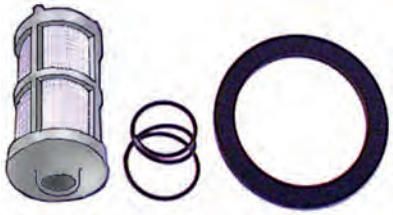
080205 Gasket — Std pkg 10 — **Servicing:** CAV - Visit our web catalogue for further information



080292 Glass Bowl — Std pkg 5 — **Servicing:** Bosch - Visit our web catalogue for further information

For filter glass.

080294 Repair Kit — Std pkg 1



080295 Hand Pump — Std pkg 1

Thread: M16-1.5

080695 Hand Pump — Std pkg 1

Union: HC-CARGO 081003.

Thread: M22-1

080703 Hand Pump — Std pkg 1

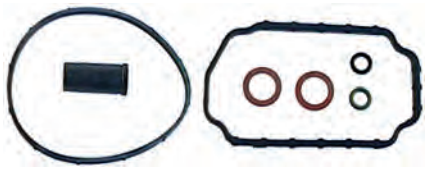
For hose I.D. 8 mm.

Type: Universal

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

080730 Repair Kit — Std pkg 1

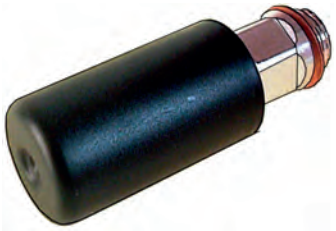
Contains: 1x HC-CARGO 080170. 1x HC-CARGO 080099.



080738 Gasket — Std pkg 10

080742 Hand Pump — Std pkg 1

Thread: M16-1.5



080783 Repair Kit — Std pkg 1 — **Servicing:** CAV - Visit our web catalogue for further information

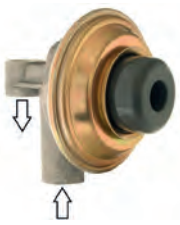
080793 Hand Pump — Std pkg 1 — **Servicing:** Scania - Visit our web catalogue for further information

Thread: M14-1.5 **Type:** Universal

080811 Repair Kit — Std pkg 1 — **Servicing:** Bosch - Visit our web catalogue for further information

080840 Hand Pump — Std pkg 1

Thread: M16-1.5 **Material:** Steel

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
080852 Repair Kit — Std pkg 1	**Servicing:** Bosch - Visit our web catalogue for further information		
080933 Gasket — Std pkg 10	**Servicing:** CAV DPA - Visit our web catalogue for further information		
			Material: Cardboard
081003 Union — Std pkg 1	**Servicing:** HC-CARGO 080695		
		Thread: M16-1.5-M22-1	
081058 Hot Starting Device — Std pkg 1	**Servicing:** VE-EDC pumps for Audi, BMW, Seat, Skoda, VW - Visit our web catalogue for further information		
081256* Hand Pump — Std pkg 1			
For hose I.D. 10 mm.			
			Type: Universal
090076 Prefilter — Std pkg 1			
		Thread: M14-1.5	**Fuel:** Diesel **Filter type:** Prefilter
090159 Hand Pump — Std pkg 1			
		**Thread:** 1/2"-20 UNF **Inlet size:** 14	**Type:** Universal

FILTER PARTS

080721 Plug — Std pkg 10

080809 Plug — Std pkg 5 — **Servicing:** CAV - Visit our web catalogue for further information

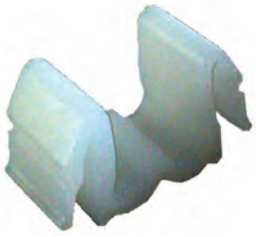
090074 Glass Bowl — Std pkg 1 — **Servicing:** HC-CARGO 090213, 090404, CAV

GOVERNOR PARTS

090147 Diesel Injection Pump — Std pkg 1 — **Servicing:** Bosch RSV Turbo - Visit our web catalogue for further information

INJECTION PIPE HOLDERS

080046 Injection Pipe Holder — Std pkg 10



Material: Plastic
No./pipes: 2

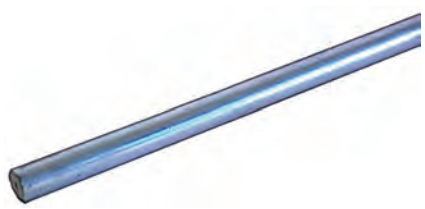
080047 Injection Pipe Holder — Std pkg 10

Material: Plastic
No./pipes: 3

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

INJECTION PIPES

090086 Injection Pipe — Std pkg 1



ID: 1.5 mm
OD: 6 mm
Length: 3000 mm

Universal: Yes

090087 Injection Pipe — Std pkg 1

ID: 2 mm
OD: 6 mm
Length: 3000 mm

Universal: Yes

NOZZLES

100352 Nozzle — Std pkg 1 — **Servicing:** Mercedes-Benz - Visit our web catalogue for further information

Code type: DN0SD265
Nozzle type: Diesel

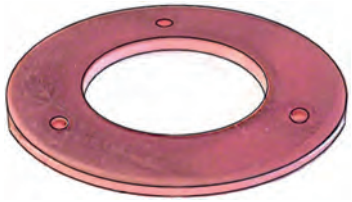
NOZZLE HOLDER PARTS

080055 Inj. Pipe Nut Set — Std pkg 10

OD: 6 mm
Thread size: M14-1.5

080340 Injector Spacer — Std pkg 1 — **Servicing:** Bosch, kbal, kdal - Visit our web catalogue for further information

080389 Injector Washer — Std pkg 10



ID: 12.1 mm
OD: 23 mm
Thickness: 1 mm

Overflow washers: Copper

080457 Injector Washer — Std pkg 10 — **Servicing:** Mitsubshi, Nissan, Toyota, mm - Visit our web catalogue for further information

ID: 12 mm
OD: 18.5 mm
Thickness: 1 mm

Overflow washers: Aluminium

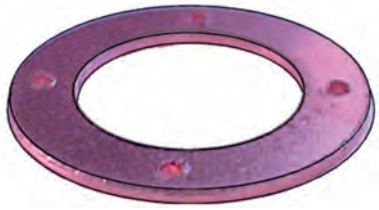
	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

080458 Injector Washer — Std pkg 10

ID: 12.5 mm
OD: 22.5 mm
Thickness: 1 mm

Overflow washers: Aluminium

080459 Injector Washer — Std pkg 10

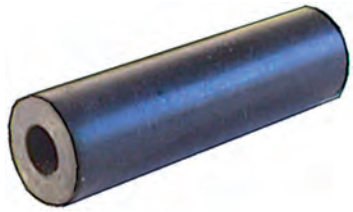


ID: 12 mm
OD: 19.5 mm
Thickness: 1 mm

Overflow washers: Copper

080467 Plug — Std pkg 50

Servicing: Bosch - Mercedes - Visit our web catalogue for further information



080582 Eye Union Overflow — Std pkg 5

Spanner size 24 mm.

Overflow washers: Brass
No./nipples: 1

081041 Overflow Kit — Std pkg 1

Hose 100 cm.

No./nipples: 4

081129 Injector Seal Kit — Std pkg 4

Servicing: Opel - Visit our web catalogue for further information

SEALING RINGS

080868 Sealing Ring — Std pkg 50

ID: 14.7 mm
OD: 21 mm
Thickness: 1.5 mm

Material: Steel/rubber

VE PUMP PARTS

090092 Repair Kit — Std pkg 1 — **Servicing:** Bosch VE - Visit our web catalogue for further information

Turbo.

090165 Gasket Kit — Std pkg 1 — **Servicing:** Bosch VE - Visit our web catalogue for further information

090212 Gasket Kit — Std pkg 1 — **Servicing:** Bosch VE - Visit our web catalogue for further information

VE THROTTLE SHAFTS

080188 Throttle Shaft — Std pkg 1 — **Servicing:** CAV DPA - Visit our web catalogue for further information

Type/throttle shaft: Short

080828 Throttle Shaft — Std pkg 1 — **Servicing:** Opel, Ford, VW - Visit our web catalogue for further information

Total length: 59.5 mm
Total height: 47.2 mm
Bottom o-ring: 26.7 mm
Top o-ring: 3 mm

SPARE PARTS

080420 O-ring — Std pkg 10

For throttle shaft.

ID: 6.5 mm
Thickness: 2 mm

GLOW PLUGS

HC-CARGO	Std. Pkg.	Voltage/ glow plug	Voltage/ battery	Ampere	Thread	L1	L2	L3	Glow duration
100079	Pkg.1	0.9	12	6.3	M18-1.5	27.5 mm	32.5 mm	90 mm	
100652	Pkg.1	4.4	12	8.5	M8-1	26.5 mm	100 mm	147.9 mm	4 sec.
100673	Pkg.1	4.4	12	8.5	M10-1	27 mm	81 mm	129.4 mm	4 sec.
100625	Pkg.1	4.4	12	8.5	M8-1	29.5 mm	70 mm	116.5 mm	4 sec.
100660	Pkg.1	4.4	12	8.5	M8-1	29 mm	42 mm	93.9 mm	4 sec.
100245	Pkg.1	5	12	11	M10-1.25	24 mm	47 mm	89 mm	20 sec.
100624	Pkg.1	5	12	8.5	M10x1	29 mm	46 mm	97 mm	4 sec.
100641	Pkg.1	5	12	8.5	M10-1	32 mm	46 mm	106 mm	4 sec.
100254	Pkg.1	6.5	12	6.5	M10-1.25	19 mm	33.5 mm	70 mm	20 sec.
100324	Pkg.1	6.5	12	5.5	M10-1.25	21.5 mm	47 mm	84 mm	15 sec.
100325	Pkg.1	6.5	12	5.5		21.5 mm	90 mm		20 sec.
100676	Pkg.1	7	12	10	M10X1	25.5 mm	115.5 mm	163.4 mm	4 sec.
100678	Pkg.1	7	12	10	M10X1	27 mm	81 mm	131 mm	4 sec.
100681	Pkg.1	7	12	10	M10X1	28 mm	46 mm	95.9 mm	4 sec.
100679	Pkg.1	7	12	10	M10X1	28 mm	78 mm	134 mm	4 sec.
100682	Pkg.1	7	12	10	M8X1	29.5 mm	70 mm	116.5 mm	4 sec.
100258	Pkg.1	7	12	8	M10-1.25	31.5 mm	43 mm	95 mm	20 sec.
100286	Pkg.1	8.5	12	9	M10-1.25	22 mm	45 mm	86 mm	20 sec.
100256	Pkg.1	8.5	12	9	M10-1.25	28 mm	53 mm	101 mm	20 sec.
100295	Pkg.1	9	12	10	M18-1.5	28 mm	35 mm	78.4 mm	20 sec.
100566	Pkg.1	9.5	12	10	M14-2	30 mm	52.5 mm	97.9 mm	20 sec.
100522	Pkg.1	10	12	10	M10-1.25	17 mm	34.5 mm	68 mm	6 sec.
100565	Pkg.1	10	12	10	M10-1	24.5 mm	54.5 mm	96 mm	10 sec.
100636	Pkg.1	10.5	12	9.7		24.3 mm	76.5 mm		9 sec.
100262	Pkg.1	10.5	12	10	M18-1.5	25 mm	47.5 mm	87.9 mm	20 sec.
100548	Pkg.1	10.5	12	10	M10-1	28.5 mm	27.3 mm	77.3 mm	
100684	Pkg.1	11		10	M10X1	24 mm	44.5 mm	90.5 mm	8 sec.
100685	Pkg.1	11		8.5	M10x1	24 mm	51 mm	96.4 mm	
100691	Pkg.1	11		10	M10x1	24 mm	61 mm	107 mm	8 sec.
100686	Pkg.1	11		8.5	M8x1	27.5 mm	63 mm	113.9 mm	
100690	Pkg.1	11		8.5	M9x1	27.5 mm	70 mm	119 mm	
100689	Pkg.1	11		10	M10x1.25	28.5 mm	111 mm	160 mm	8 sec.
100687	Pkg.1	11		5	M10x1.25	29 mm	82.5 mm	129 mm	3-7 sec.
100688	Pkg.1	11		10	M10x1	30 mm	57 mm	109 mm	8 sec.
100692	Pkg.1	11		10	M10x1.25	31 mm	108.5 mm	160.9 mm	4.5 sec.
100653	Pkg.1	11	12	10	M10x1.25	145 mm	181.5 mm	21 mm	8 sec.
100336	Pkg.1	11	12	10	M10-1.25	15.5 mm	52 mm	81.5 mm	10 sec.
100435	Pkg.1	11	12	6.5	M10-1.25	16 mm	37.5 mm	75 mm	25 sec.
100434	Pkg.1	11	12	8	M10-1.25	16 mm	39 mm	75 mm	20 sec.
100531	Pkg.1	11	12	10	M12-1.25	17.5 mm	30 mm	62.9 mm	8 sec.
100510	Pkg.1	11	12	7	M10-1.25	17.5 mm	47 mm	85 mm	7 sec.
100557	Pkg.1	11	12	10	M10-1.25	17.5 mm	47 mm	85 mm	7 sec.
100513	Pkg.1	11	12	7	M10-1.25	17.5 mm	53 mm	89 mm	7 sec.
100271	Pkg.1	11	12	10	M10-1.25	17 mm	33.5 mm	67 mm	10 sec.
100668	Pkg.1	11	12	10	M10-1.25	17 mm	50 mm	82.4 mm	8 sec.
100670	Pkg.1	11	12	10	M10-1.25	18.5 mm	47.5 mm	81.4 mm	8 sec.
100302	Pkg.1	11	12	7	M10-1.25	18.5 mm	47 mm	83 mm	7 sec.
100518	Pkg.1	11	12	7.3	M8-1	19.5 mm	34 mm	69 mm	7 sec.
100247	Pkg.1	11	12	9	M10-1.25	19 mm	33.5 mm	70 mm	20 sec.
100251	Pkg.1	11	12	8	M10-1.25	19 mm	33.5 mm	70 mm	20 sec.
100306	Pkg.1	11	12	10	M10-1.25	19 mm	50 mm	84.4 mm	8 sec.
100559	Pkg.1	11	12	10	M10-1.25	20.5 mm	47 mm	88 mm	5 sec.
100512	Pkg.1	11	12	10	M12-1.25	20 mm	26 mm	61.4 mm	8 sec.
100639	Pkg.1	11	12	10	M12-1.25	20 mm	30 mm	79.5 mm	8 sec.
100303	Pkg.1	11	12	8	M12-1.25	20 mm	32 mm	66.9 mm	8 sec.
100563	Pkg.1	11	12	12	M10-1.25	21.5 mm	47 mm	89 mm	7 sec.
100560	Pkg.1	11	12	10	M10-1.25	21 mm	140.5 mm	180 mm	5 sec.
100520	Pkg.1	11	12	6.5	M10-1.25	22.5 mm	47 mm	85 mm	5 sec.

HC-CARGO	Std. Pkg.	Voltage/ glow plug	Voltage/ battery	Ampere	Thread	L1	L2	L3	Glow duration
100619	Pkg.1	11	12	10	M10-1.25	22 mm	45.5 mm	82.9 mm	8 sec.
100521	Pkg.1	11	12	9.7	M10-1.25	22 mm	45 mm	83.5 mm	9 sec.
100515	Pkg.1	11	12	6	M10-1.25	22 mm	45 mm	84 mm	8.5 sec.
100634	Pkg.1	11	12	7	M10-1.25	22 mm	45 mm	85 mm	20 sec.
100261	Pkg.1	11	12	16.5	M10-1.25	22 mm	45 mm	86 mm	15 sec.
100287	Pkg.1	11	12	10	M10-1.25	22 mm	50 mm	88 mm	10 sec.
100555	Pkg.1	11	12	10	M10-1.25	23.5 mm	93 mm	143 mm	10 sec.
100532	Pkg.1	11	12	10	M10-1	24.5 mm	53 mm	92.9 mm	8 sec.
100646	Pkg.1	11	12	10	M10-1	24 mm	105 mm	151 mm	8 sec.
100323	Pkg.1	11	12	10	M10-1	24 mm	46 mm	85.4 mm	8 sec.
100436	Pkg.1	11	12	10	M10-1	24 mm	46 mm	92 mm	8 sec.
100275	Pkg.1	11	12	6.5	M10-1.25	24 mm	47 mm	89 mm	25 sec.
100292	Pkg.1	11	12	6	M10-1.25	24 mm	47 mm	89 mm	10 sec.
100592	Pkg.1	11	12	8.6	M10-1	24 mm	53 mm	98.5 mm	10 sec.
100645	Pkg.1	11	12	10	M10-1	24 mm	57 mm	103 mm	8 sec.
100657	Pkg.1	11	12	10	M12-1.25	24 mm	96 mm	135,4 mm	8 sec.
100432	Pkg.1	11	12	10	M12-1.25	25 mm	27 mm	67.4 mm	8 sec.
100541	Pkg.1	11	12	10	M12-1.25	25 mm	29 mm	69.4 mm	8 sec.
100545	Pkg.1	11	12	10	M12-1.25	25 mm	32 mm	72.4 mm	8 sec.
100511	Pkg.1	11	12	22	M12-1.25	25 mm	57 mm	72.5 mm	5 sec.
100429	Pkg.1	11	12	8-10	M10-1.25	25 mm	58.5 mm	104 mm	10 sec.
100675	Pkg.1	11	12	10	M10-1	25 mm	83 mm	130 mm	8 sec.
100533	Pkg.1	11	12	6-11		27.5 mm	107 mm		6 sec.
100664	Pkg.1	11	12	10	M8-1	27.5 mm	47.5 mm	98.4 mm	<4.5 sec.
100627	Pkg.1	11	12	10	M8-1	27.5 mm	70 mm	118.9 mm	4.5 sec.
100593	Pkg.1	11	12	4.6	M8-1	27.5 mm	75 mm	119 mm	9 sec.
100663	Pkg.1	11	12	10	M8-1	27.5 mm	75 mm	124.1 mm	4.5 sec.
100263	Pkg.1	11	12	10	M10-1	28.5 mm	53.3 mm	98.5 mm	15 sec.
100086	Pkg.1	11	12	10	M14-1.25	28 mm	34 mm	77.4 mm	8 sec.
100283	Pkg.1	11	12	10	M10-1.25	28 mm	53 mm	101 mm	10 sec.
100514	Pkg.1	11	12	6	M10-1.25	28 mm	53 mm	101 mm	10 sec.
100642	Pkg.1	11	12	10	M9-1	29.5 mm	100 mm	150.9 mm	4.5 sec.
100284	Pkg.1	11	12	10	M12-1.25	29 mm	32 mm	76.4 mm	8 sec.
100335	Pkg.1	11	12	10	M10-1	29 mm	46 mm	90.4 mm	8 sec.
100527	Pkg.1	11	12	10	M10-1	29 mm	46 mm	97 mm	8 sec.
100661	Pkg.1	11	12	10	M10-1.25	30 mm	83 mm	134.5 mm	8 sec.
100524	Pkg.1	11	12	6		30 mm	85 mm		8.5 sec.
100260	Pkg.1	11	12	11	M10-1.25	31.5 mm	43.5 mm	96 mm	20 sec.
100651	Pkg.1	11	12	10	M10-1.25	31 mm	100.5 mm	148.9 mm	8 sec.
100291	Pkg.1	11	12	6	M10-1.25	32 mm	43.5 mm	95 mm	10 sec.
100516	Pkg.1	11	12	5	M10-1.25	32 mm	43.5 mm	97 mm	8 sec.
100536	Pkg.1	11	12	10	M10-1	32 mm	46 mm	106 mm	8 sec.
100523	Pkg.1	11	12	6	M10-1.25	33.5 mm	24.5 mm	80 mm	8.5 sec.
100644	Pkg.1	11	12	10	M10-1.25	33.5 mm	24 mm	72.9 mm	8 sec.
100556	Pkg.1	11	12	10	M10-1.25	37 mm	111.5 mm	170 mm	7 sec.
100331	Pkg.1	11.5	12	10	M12-1.25	22 mm	32 mm	69.4 mm	8 sec.
100307	Pkg.1	11.5	12	10	M10-1	26.5 mm	83 mm	124.9 mm	8 sec.
100337	Pkg.1	11.5	12	10	M12-1.25	27 mm	37 mm	87 mm	8 sec.
100339	Pkg.1	11.5	12	10	M12-1.25	27 mm	67.5 mm	115.9 mm	8 sec.
100537	Pkg.1	11.5	12	10	M10-1	27 mm	80.5 mm	130.5 mm	8 sec.
100177	Pkg.1	11.5	12	13		32 mm	62 mm		
100246	Pkg.1	12	12	8.5	M10-1.25	22 mm	52 mm	95 mm	20 sec.
100538	Pkg.1	12	12	10	M10-1	34.5 mm	70 mm	126.5 mm	8 sec.
100561	Pkg.1	12	12	12	M10-1	35 mm	95 mm	104.7 mm	10 sec.
100327	Pkg.1	12.5	12	10	M12-1.25	27.5 mm	67.5 mm	120.4 mm	8 sec.
100658	Pkg.1	20.5	24	5	M12-1.25	24 mm	96 mm	135.4 mm	10 sec.
100280	Pkg.1	21	24	5	M10-1.25	28 mm	53 mm	101 mm	20 sec.
100276	Pkg.1	23	24	4.8	M10-1.25	17 mm	33.5 mm	67 mm	10 sec.
100282	Pkg.1	23	24	4.6	M10-1.25	28 mm	53 mm	101 mm	20 sec.
100659	Pkg.1	23	24	5	M10-1	29 mm	46 mm	97 mm	10 sec.

GLOW PLUG RELAYS

ITEM ID	Pre-heating time in sec. at +20 °C	Post heating		Temp. Measurement		Characteristic
		w/	w/o	Int.	Ext.	
160416	< 8		✓	✓		
160418	< 8	✓		✓		
160419	< 6	✓		✓		
160420	< 8	✓			✓	
160421	< 4	✓			✓	
160422	< 18		✓		✓	
160423	< 14		✓	✓		
160424	< 8		✓	✓		
160425	< 9		✓	✓		
160426	< 7	✓		✓		
160431	< 10		✓	✓		
160432	< 7	✓		✓		
160434	< 8	✓			✓	
160436	< 8	✓			✓	
160438	< 10	✓		✓		
160441	< 9		✓	✓		w/ "defect" warning.
160442	< 9		✓	✓		w/ "defect" warning.
160443	< 9		✓	✓		w/ "defect" warning.
160445	< 9	✓			✓	w/ "defect" warning.
160446	< 9	✓			✓	w/ "defect" warning.
160447	< 9	✓			✓	w/ "defect" warning.

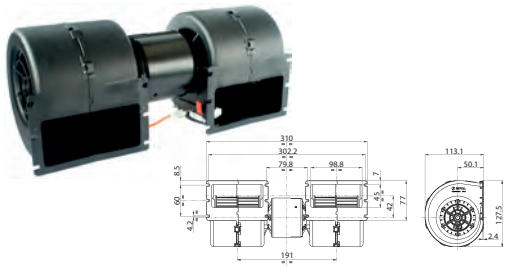
ITEM ID	Pre-heating time in sec. at +20 °C	Post heating		Temp. Measurement		Characteristic
		w/	w/o	Int.	Ext.	
160448	< 9	✓			✓	w/ "defect" warning.
160449	< 7	✓		✓		Can replace HC-CARGO 160441 and 160443 in connection w/ change to post heating glow plug.
160451	< 7	✓			✓	
160453			✓			
160458	< 12	✓			✓	
160459			✓			Model UWD.
160460			For engines w/ electronic diesel control.			
160461			✓			
160469	< 5	✓		✓		
160718			✓			
160719			✓			
160795			✓			
161120						
161735						
161736						
161737						
161738						
161739						
161740						

FANS & BLOWERS

BLOWERS

CENTRIFUGAL TYPE

160483 Centrifugal Blower — Std pkg 1 — **Servicing:** HC-CARGO 060216

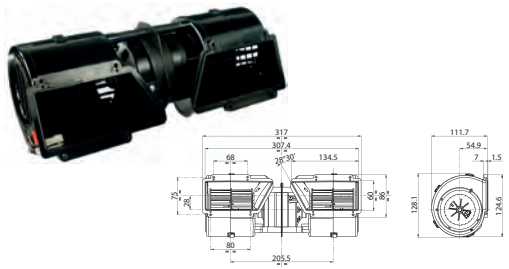


Voltage: 12
Amp: 15

Dim.: 113.1x127.5 mm
Shaft dia.: 50.1 mm
Length: 310 mm
Capacity: 750 m³
Pressure: 0 PSI
Speed: 3-speed

No./shafts: 2
Fan mounted: Yes

160510 Centrifugal Blower — Std pkg 1 — **Servicing:** New Holland tractors - Visit our web catalogue for further information



Voltage: 12
Amp: 14

Dim.: 111.7x124.6 mm
Shaft dia.: 54.9 mm
Length: 317 mm
Capacity: 650 m³
Pressure: 0 PSI
Speed: 3-speed

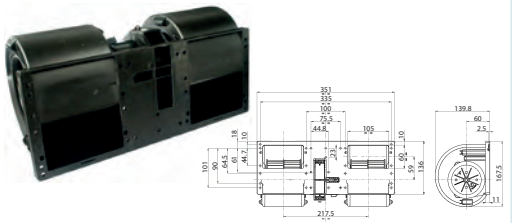
No./shafts: 2
Fan mounted: Yes

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

160511 Centrifugal Blower — Std pkg 1

Servicing: Deutz, New Holland - Visit our web catalogue for further information

This model have to be used w/ a static pressure that is higher than 0.1 psi. (pressure cabins).

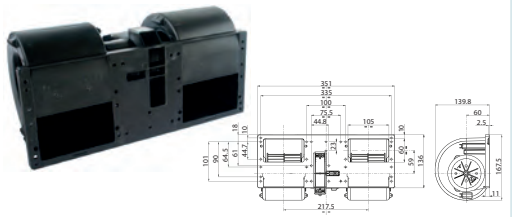


Voltage: 12
Amp: 34

Dim.: 139.8x167.5 mm
Shaft dia.: 60 mm
Length: 351 mm
Capacity: 840 m³
Pressure: 0 PSI
Speed: 1-speed

No./shafts: 2
Fan mounted: Yes

160512 Centrifugal Blower — Std pkg 1

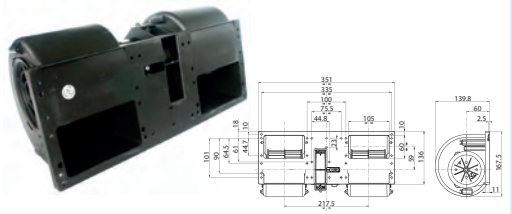


Voltage: 24
Amp: 15.9

Dim.: 139.8x167.5 mm
Shaft dia.: 60 mm
Length: 351 mm
Capacity: 1160 m³
Pressure: 0 PSI
Speed: 3-speed

No./shafts: 2
Fan mounted: Yes

160556 Centrifugal Blower — Std pkg 1

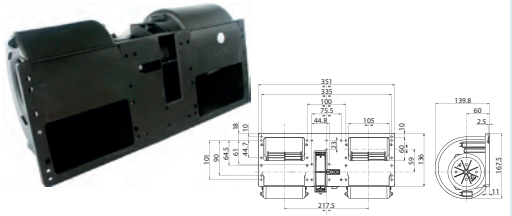


Voltage: 24
Amp: 8.1

Dim.: 139.8x167.5 mm
Shaft dia.: 60 mm
Length: 351 mm
Capacity: 850 m³
Pressure: 0 PSI
Speed: 3-speed

No./shafts: 2
Fan mounted: Yes

160557 Centrifugal Blower — Std pkg 1

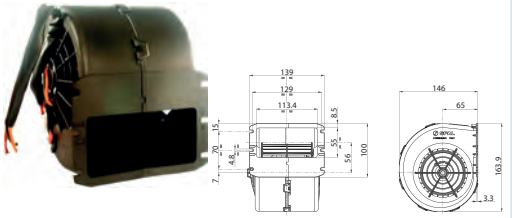


Voltage: 24
Amp: 12

Dim.: 139.8x167.5 mm
Shaft dia.: 60 mm
Length: 351 mm
Capacity: 1050 m³
Pressure: 0 PSI
Speed: 3-speed

No./shafts: 2
Fan mounted: Yes

160592 Centrifugal Blower — Std pkg 1

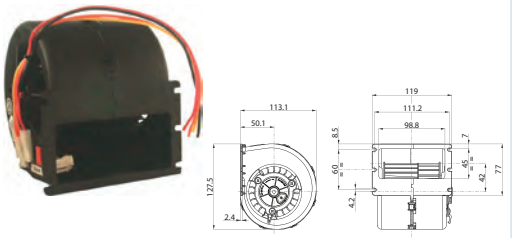


Voltage: 12
Amp: 19.6

Dim.: 146x163.9 mm
Shaft dia.: 65 mm
Length: 139 mm
Capacity: 540 m³
Pressure: 0 PSI
Speed: 3-speed

No./shafts: 1
Fan mounted: Yes

160593 Centrifugal Blower — Std pkg 1

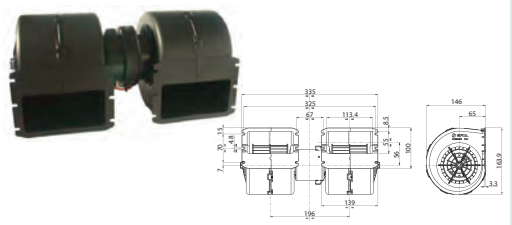


Voltage: 12
Amp: 5

Dim.: 113.5x127.5 mm
Shaft dia.: 50.1 mm
Length: 119 mm
Capacity: 260 m³
Pressure: 0 PSI
Speed: 3-speed

No./shafts: 1
Fan mounted: Yes

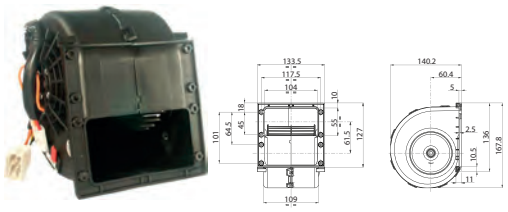
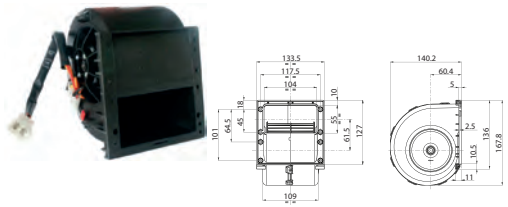
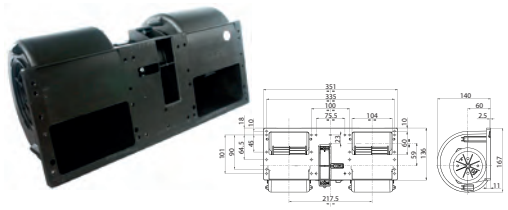
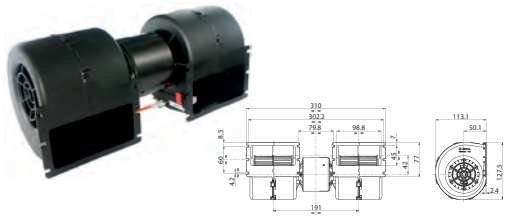
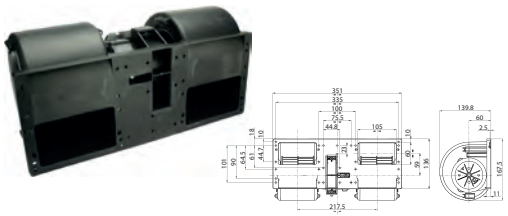
160594 Centrifugal Blower — Std pkg 1



Voltage: 24
Amp: 11

Dim.: 146x163.9 mm
Shaft dia.: 65 mm
Length: 335 mm
Capacity: 1050 m³
Pressure: 0 PSI
Speed: 3-speed

No./shafts: 2
Fan mounted: Yes

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
160596 Centrifugal Blower Std pkg 1			
	**Voltage:** 24 **Amp:** 11.1	**Dim.:** 140.2x167.8 mm **Shaft dia.:** 60.4 mm **Length:** 133.5 mm **Capacity:** 530 m³ **Pressure:** 0 PSI **Speed:** 3-speed	**No./shafts:** 2 **Fan mounted:** Yes
160639 Centrifugal Blower Std pkg 1			
	**Voltage:** 12 **Amp:** 19.9	**Dim.:** 140.2x167.8 mm **Shaft dia.:** 60.4 mm **Length:** 133.5 mm **Capacity:** 510 m³ **Pressure:** 0 PSI **Speed:** 3-speed	**No./shafts:** 1 **Fan mounted:** Yes
160647 Centrifugal Blower Std pkg 1			
	**Voltage:** 12 **Amp:** 17.2	**Dim.:** 140x167 mm **Shaft dia.:** 60 mm **Length:** 351 mm **Capacity:** 910 m³ **Pressure:** 0 PSI **Speed:** 3-speed	**No./shafts:** 2 **Fan mounted:** Yes
160649 Centrifugal Blower Std pkg 1	**Servicing:** HC-CARGO 060220		
	**Voltage:** 24 **Amp:** 8.2	**Dim.:** 113.1x127.5 mm **Shaft dia.:** 50.1 mm **Length:** 310 mm **Capacity:** 750 m³ **Pressure:** 0 PSI **Speed:** 3-speed	**No./shafts:** 2 **Fan mounted:** Yes
160878 Centrifugal Blower Std pkg 1	**Servicing:** Volvo - Visit our web catalogue for further information		
	**Voltage:** 24 **Amp:** 12	**Dim.:** 139.8x167.5 mm **Shaft dia.:** 60 mm **Length:** 351 mm **Capacity:** 1050 m³ **Pressure:** 0 PSI **Speed:** 4-speed	**No./shafts:** 2 **Fan mounted:** Yes
161900 Fan Motor Std pkg 1	**Servicing:** Saab, Scania, Volvo - Visit our web catalogue for further information		
BOSCH			

FAN/HEATER MOTORS

SINGLE SHAFTS

160005 Universal Motor Std pkg 1			
DOGA	**Voltage:** 12	**Dia.:** 60 mm **Shaft dia.:** 8x22 mm **Length:** 121 mm **Revolutions/min.:** 2000 **Speed:** 1-speed	**No./shafts:** 1 **Fan mounted:** No

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

160006 Universal Motor — Std pkg 1

DOGA

Voltage: 24

Dia.: 60 mm
Shaft dia.: 8x22 mm
Length: 121 mm
Revolutions/min.: 2000
Speed: 1-speed

No./shafts: 1
Fan mounted: No

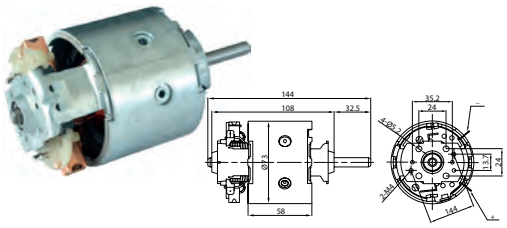
160674 Universal Motor — Std pkg 1

Voltage: 12

Dim.: 58x107 mm
Dia.: 51 mm
Shaft dia.: 6 mm
Length: 107 mm
Speed: 1-speed

No./shafts: 1
Fan mounted: No

160734 Universal motor — Std pkg 1 — **Servicing:** Volvo - Visit our web catalogue for further information



Voltage: 12

Dia.: 73 mm
Shaft dia.: 8 mm
Length: 144 mm

No./shafts: 1
Fan mounted: No

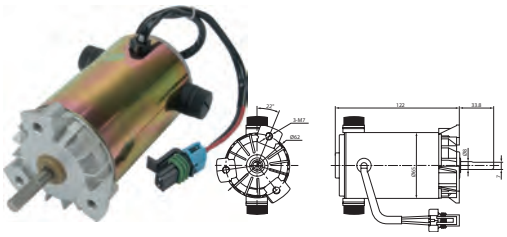
161712 Universal Motor — Std pkg 1 — **Servicing:** Carrier - Visit our web catalogue for further information

Voltage: 12

Dia.: 80 mm
OD: 65 mm
Shaft dia.: 7 mm
Length: 118 mm
Speed: 1-speed

No./shafts: 1
Fan mounted: No

161718 Universal Motor — Std pkg 1



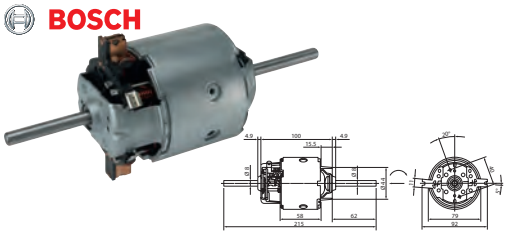
Voltage: 12

Dia.: 62 mm
OD: 65 mm
Shaft dia.: 8 mm
Length: 122 mm
Speed: 1-speed

No./shafts: 1
Fan mounted: No

161719 Universal Motor — Std pkg 1 — **Servicing:** Chrysler, MAN, Mercedes-Benz, Volvo - Visit our web catalogue for further information

BOSCH



Voltage: 24

Length: 215 mm

Fan mounted: No

161896 DC Motor — Std pkg 1

BOSCH

Voltage: 12

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

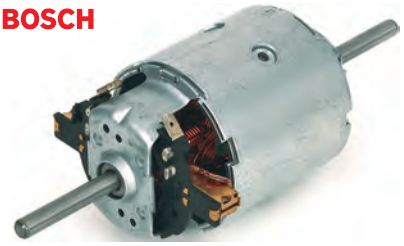
161897 DC Motor — Std pkg 1 — **Servicing:** Scania - Visit our web catalogue for further information

BOSCH

Voltage: 24

161899 DC Motor — Std pkg 1

BOSCH



Voltage: 24

DOUBLE SHAFTS

160250 Universal Motor — Std pkg 1

Universal.

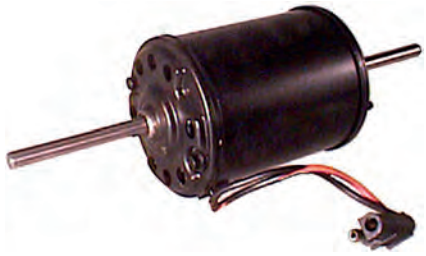
Voltage: 12

Dia.: 90 mm
Shaft dia.: 9.52x113 mm
Length: 105 mm
Revolutions/min.: 3200
Speed: 3-speed

No./shafts: 2
Fan mounted: No

160252 Universal Motor — Std pkg 1

Universal.



Voltage: 24

Dia.: 82 mm
Shaft dia.: 8x65 mm
Length: 248 mm
Revolutions/min.: 2500
Speed: 1-speed

No./shafts: 2
Fan mounted: No

160253 Universal Motor — Std pkg 1

Universal.

Voltage: 12

Dia.: 77.5 mm
Shaft dia.: 8 mm
Length: 254 mm
Revolutions/min.: 3300
Speed: 3-speed

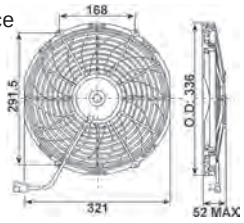
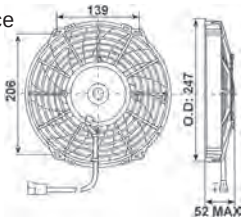
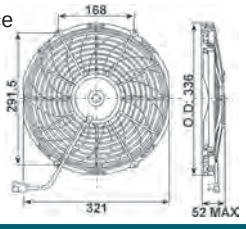
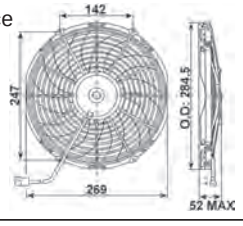
No./shafts: 2
Fan mounted: No

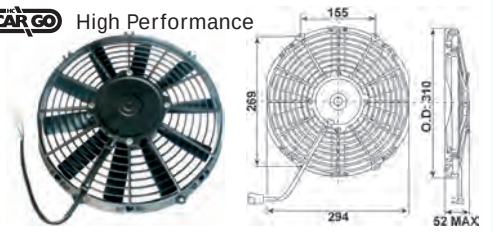
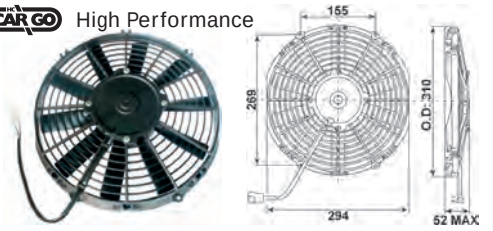
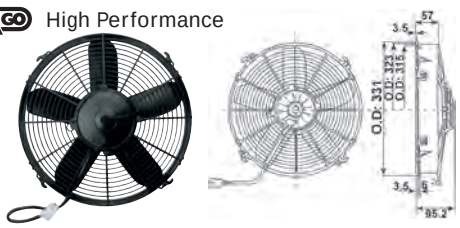
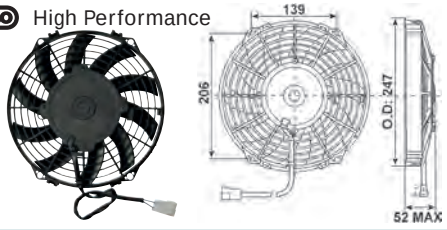
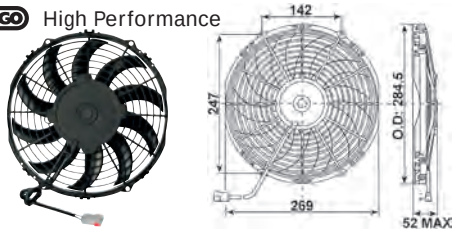
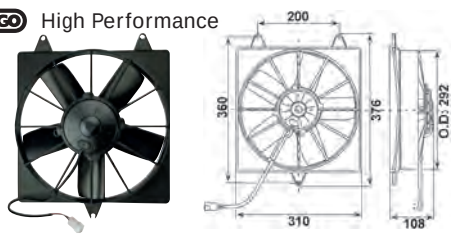
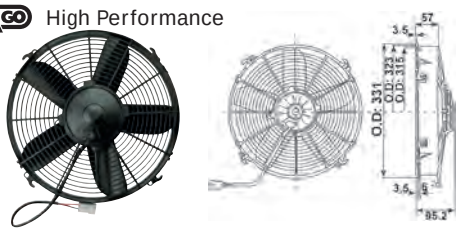
160622 DC Motor — Std pkg 1 — **Servicing:** Massey Ferguson 3070 - Visit our web catalogue for further information

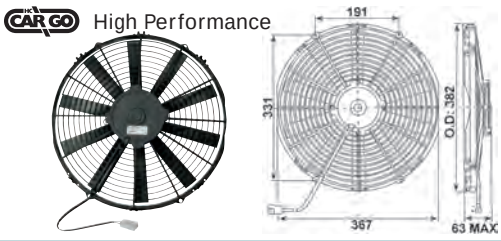
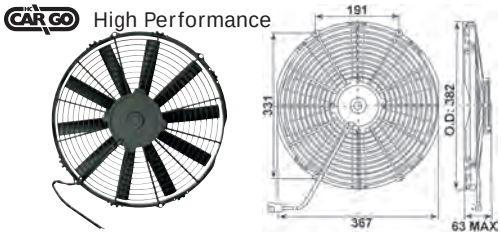
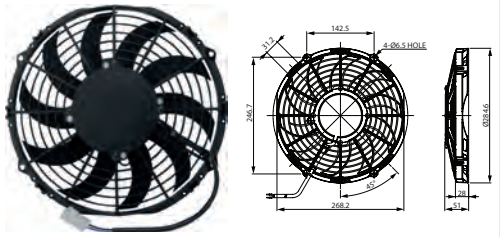
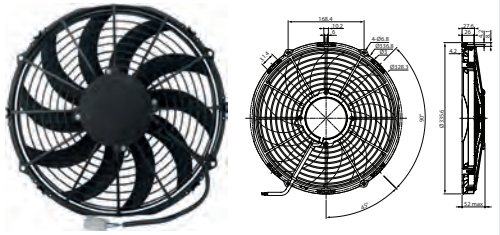
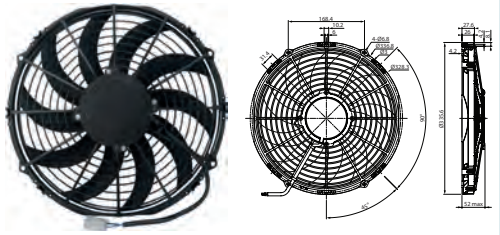
Voltage: 12

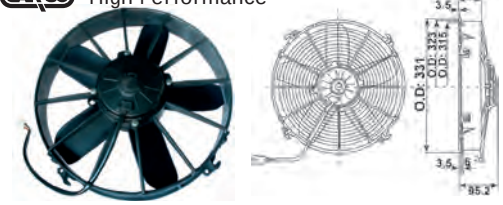
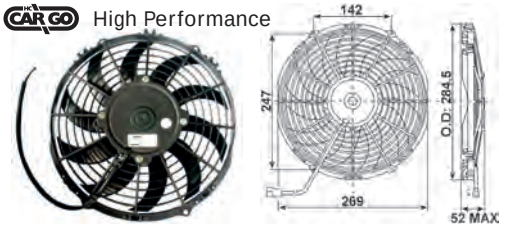
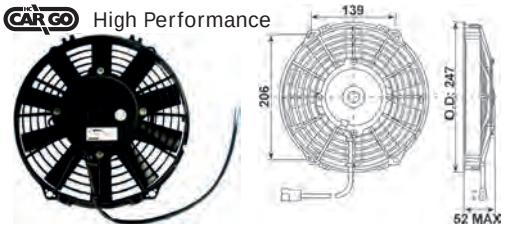
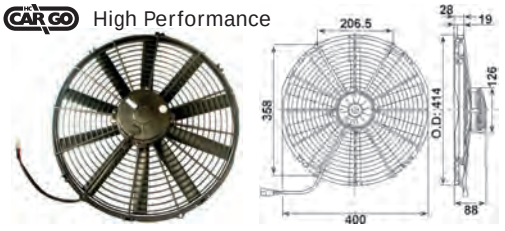
Dia.: 73 mm
Shaft dia.: 8x51 mm
Length: 223 mm
Revolutions/min.: 3100
Speed: 1-speed

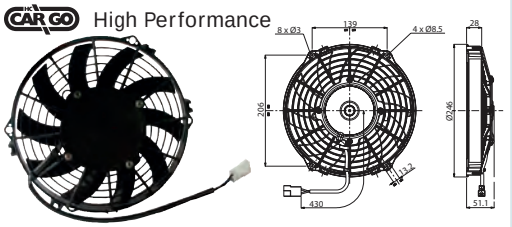
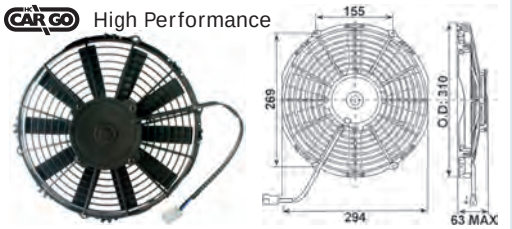
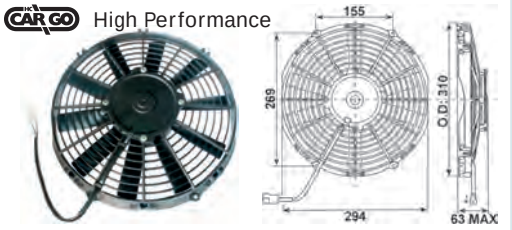
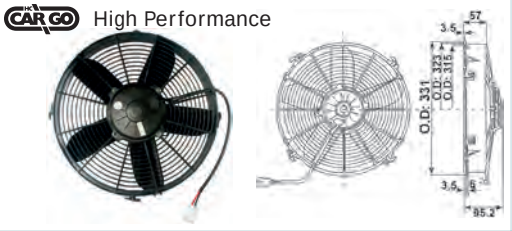
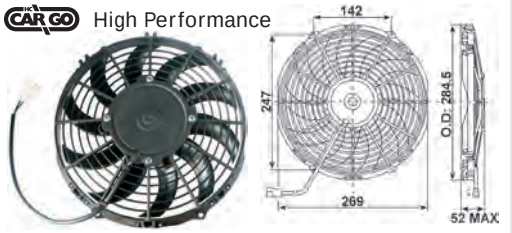
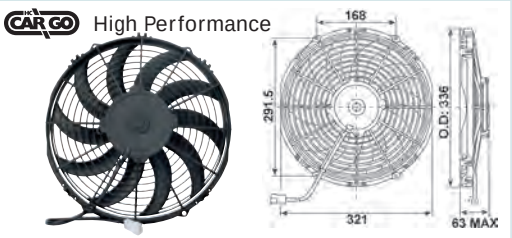
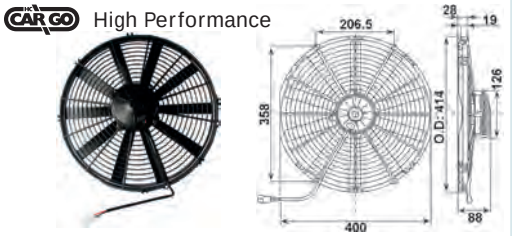
Type: Fan
No./shafts: 2
Fan mounted: No

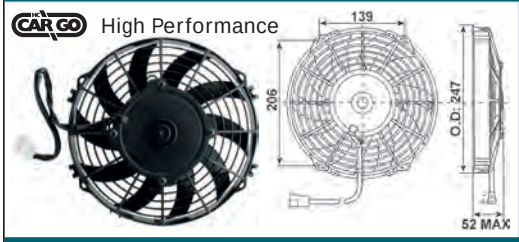
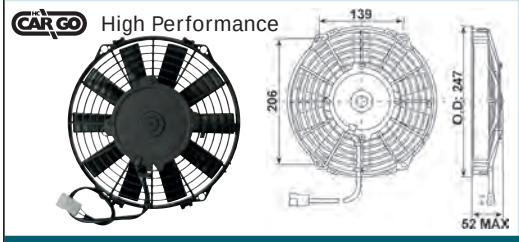
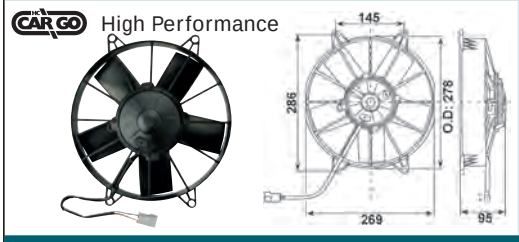
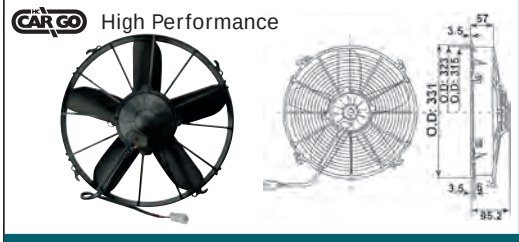
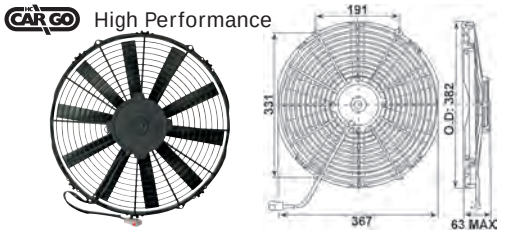
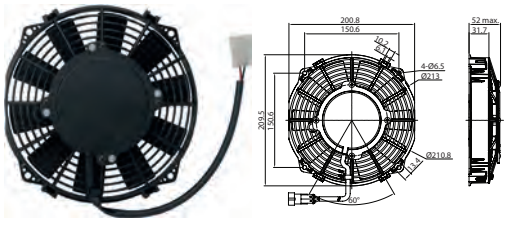
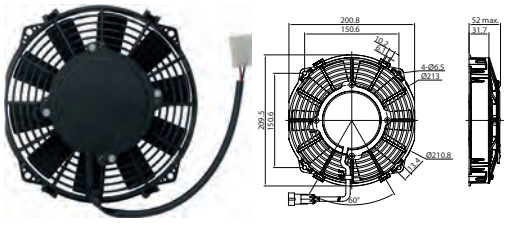
	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
160626 DC Motor — Std pkg 1	**Servicing:** Fiat tractors - Visit our web catalogue for further information		
	Voltage: 12	**Dia.:** 59.5 mm **Shaft dia.:** 8 mm **Length:** 198 mm **Revolutions/min.:** 4000 **Speed:** 1-speed	**No./shafts:** 2 **Fan mounted:** No
161894 DC Motor — Std pkg 1			
BOSCH	**Voltage:** 12		
161895 DC Motor — Std pkg 1			
BOSCH	**Voltage:** 24		
AXIAL FANS			
12 V			
160536 Axial Fan — Std pkg 1			
CARGO High Performance 	**Voltage:** 12 **Amp:** 6.2	**OD:** 336 mm **Capacity:** 1590 m³	**Type:** Fan **Fan mounted:** Yes **Tightness norm:** IP 68 **Alternativ no.:** 161003
160537 Axial Fan — Std pkg 1			
CARGO High Performance 	**Voltage:** 12 **Amp:** 6.7	**OD:** 247 mm **Capacity:** 1060 m³	**Type:** Suction **Fan mounted:** Yes **Tightness norm:** IP 68
160538 Axial Fan — Std pkg 1			
CARGO High Performance 	**Voltage:** 12 **Amp:** 6.7	**OD:** 336 mm **Capacity:** 1540 m³	**Type:** Suction **Fan mounted:** Yes **Tightness norm:** IP 68 **Alternativ no.:** 161002
160539 Axial Fan — Std pkg 1			
CARGO High Performance 	**Voltage:** 12 **Amp:** 8.7	**OD:** 284.5 mm **Capacity:** 1360 m³	**Type:** Suction **Fan mounted:** Yes **Tightness norm:** IP 68 **Alternativ no.:** 161000

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
160598 Axial Fan — Std pkg 1			
CAR GO High Performance 	**Voltage:** 12 **Amp:** 7.8	**OD:** 310 mm **Capacity:** 1390 m³	**Type:** Suction **Fan mounted:** Yes **Tightness norm:** IP 68
160601 Axial Fan — Std pkg 1			
CAR GO High Performance 	**Voltage:** 12 **Amp:** 7.7	**OD:** 310 mm **Capacity:** 1400 m³	**Type:** Fan **Fan mounted:** Yes **Tightness norm:** IP 68
160739 Axial Fan — Std pkg 1			
CAR GO High Performance 	**Voltage:** 12 **Amp:** 15.6	**OD:** 331 mm **Capacity:** 2430 m³	**Type:** Suction **Fan mounted:** Yes **Tightness norm:** IP 68
160910 Axial Fan — Std pkg 1			
CAR GO High Performance 	**Voltage:** 12 **Amp:** 7.2	**OD:** 247 mm **Capacity:** 1080 m³	**Type:** Fan **Fan mounted:** Yes **Tightness norm:** IP 68
160911 Axial Fan — Std pkg 1			
CAR GO High Performance 	**Voltage:** 12 **Amp:** 7.6	**OD:** 284.5 mm **Capacity:** 1430 m³	**Type:** Fan **Fan mounted:** Yes **Tightness norm:** IP 68
160912 Axial Fan — Std pkg 1			
CAR GO High Performance 	**Voltage:** 12 **Amp:** 11.4	**Dim.:** 376x310x108 mm **OD:** 292 mm **Capacity:** 2280 m³	**Type:** Fan **Fan mounted:** Yes **Tightness norm:** IP 68
160913 Axial Fan — Std pkg 1			
CAR GO High Performance 	**Voltage:** 12 **Amp:** 15.3	**OD:** 331 mm **Capacity:** 2340 m³	**Type:** Fan **Fan mounted:** Yes **Tightness norm:** IP 68

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
160914 Axial Fan — Std pkg 1			
HC CARGO High Performance 	**Voltage:** 12 **Amp:** 9.5	**OD:** 382 mm **Capacity:** 2220 m³	**Type:** Suction **Fan mounted:** Yes **Tightness norm:** IP 68
160915 Axial Fan — Std pkg 1			
HC CARGO High Performance 	**Voltage:** 12 **Amp:** 8.7	**OD:** 382 mm **Capacity:** 2140 m³	**Type:** Fan **Fan mounted:** Yes **Tightness norm:** IP 68
161000 HC-CARGO Axial Fan — Std pkg 1			
	**Voltage:** 12 **Amp:** 9	**OD:** 284.6 mm **Capacity:** 1506 m³	**Type:** Suction **Tightness norm:** IP 68 **Alternativ no.:** 160539
161002 HC-CARGO Axial Fan — Std pkg 1			
	**Voltage:** 12 **Amp:** 7.5	**OD:** 335.6 mm **Capacity:** 1733 m³	**Type:** Suction **Tightness norm:** IP 68 **Alternativ no.:** 160538
161003 HC-CARGO Axial Fan — Std pkg 1			
	**Voltage:** 12 **Amp:** 7.5	**OD:** 335.6 mm **Capacity:** 1733 m³	**Type:** Fan **Tightness norm:** IP 68 **Alternativ no.:** 160536
161890 Cooling Fan — Std pkg 1	**Servicing:** Mercedes-Benz - Visit our web catalogue for further information		
BOSCH	**Voltage:** 12 **Amp:** 27	**OD:** 419.25 mm **Capacity:** 0.82 m³	**Type:** Fan
161891 Cooling Fan — Std pkg 1	**Servicing:** Chevrolet, Opel, Vauxhall - Visit our web catalogue for further information		
BOSCH	**Voltage:** 12 **Amp:** 26	**OD:** 312 mm **Capacity:** 0.84 m³	**Type:** Fan **Tightness norm:** IP 5K9K

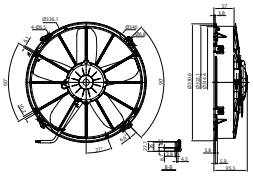
	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
161892 Axialblæser — Std pkg 1	**Servicing:** Chevrolet, Holden, Opel, Vauxhall - Visit our web catalogue for further information		
BOSCH	**Voltage:** 12 **Amp:** 33	**OD:** 390 mm **Capacity:** 1.15 m³	**Type:** Fan **Tightness norm:** IP 5K9K
161893 Cooling Fan — Std pkg 1	**Servicing:** Opel, Vauxhall - Visit our web catalogue for further information		
BOSCH	**Voltage:** 12 **Amp:** 34	**OD:** 390 mm **Capacity:** 0.65 m³	**Type:** Fan **Tightness norm:** IP 5K9K
161902 Engine Cooling — Std pkg 1	**Servicing:** Opel, Vauxhall - Visit our web catalogue for further information		
BOSCH			
24 V			
160584 Axial Fan — Std pkg 1			
CARGO High Performance 	**Voltage:** 24 **Amp:** 7.4	**OD:** 331 mm **Capacity:** 2900 m³	**Type:** Suction **Fan mounted:** Yes **Tightness norm:** IP 68 **Alternativ no.:** 161004
160587 Axial Fan — Std pkg 1			
CARGO High Performance 	**Voltage:** 24 **Amp:** 3.9	**OD:** 284.5 mm **Capacity:** 1300 m³	**Type:** Suction **Tightness norm:** IP 68 **Alternativ no.:** 161001
160588 Axial Fan — Std pkg 1			
CARGO High Performance 	**Voltage:** 24 **Amp:** 4.1	**OD:** 247 mm **Capacity:** 1080 m³	**Type:** Fan **Fan mounted:** Yes **Tightness norm:** IP 68
160595 Axial Fan — Std pkg 1			
CARGO High Performance 	**Voltage:** 24 **Amp:** 8.7	**OD:** 414 mm **Capacity:** 3540 m³	**Type:** Fan **Tightness norm:** IP 68

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
160597 Axial Fan — Std pkg 1			
CAR GO High Performance 	**Voltage:** 24 **Amp:** 3.9	**OD:** 247 mm **Capacity:** 1180 m³	**Type:** Fan **Fan mounted:** Yes **Tightness norm:** IP 68
160599 Axial Fan — Std pkg 1			
CAR GO High Performance 	**Voltage:** 24 **Amp:** 4.4	**OD:** 310 mm **Capacity:** 1690 m³	**Type:** Suction **Fan mounted:** Yes **Tightness norm:** IP 68
160600 Axial Fan — Std pkg 1			
CAR GO High Performance 	**Voltage:** 24 **Amp:** 4.1	**OD:** 310 mm **Capacity:** 1570 m³	**Type:** Fan **Tightness norm:** IP 68
160619 Axial Fan — Std pkg 1			
CAR GO High Performance 	**Voltage:** 24 **Amp:** 7.8	**OD:** 310 mm **Capacity:** 2440 m³	**Type:** Fan **Fan mounted:** Yes **Tightness norm:** IP 68
160714 Axial Fan — Std pkg 1			
CAR GO High Performance 	**Voltage:** 24 **Amp:** 3.7	**OD:** 284.5 mm **Capacity:** 1400 m³	**Type:** Fan **Tightness norm:** IP 68
160737 Axial Fan — Std pkg 1			
CAR GO High Performance 	**Voltage:** 24 **Amp:** 6	**OD:** 336 mm **Capacity:** 2240 m³	**Type:** Fan **Fan mounted:** Yes **Tightness norm:** IP 68
160777 Axial Fan — Std pkg 1			
CAR GO High Performance 	**Voltage:** 24 **Amp:** 8.4	**OD:** 414 mm **Capacity:** 3315 m³	**Type:** Suction **Tightness norm:** IP 68

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
160799 Axial Fan — Std pkg 1			
CAR GO High Performance 	**Voltage:** 24 **Amp:** 4	**OD:** 347 mm **Capacity:** 1170 m³	**Type:** Suction **Fan mounted:** Yes **Tightness norm:** IP 68
160906 Axial Fan — Std pkg 1			
CAR GO High Performance 	**Voltage:** 24 **Amp:** 3.7	**OD:** 247 mm **Capacity:** 1070 m³	**Type:** Suction **Fan mounted:** Yes **Tightness norm:** IP 68
160907 Axial Fan — Std pkg 1			
CAR GO High Performance 	**Voltage:** 24 **Amp:** 5.7	**OD:** 278 mm **Capacity:** 1990 m³	**Type:** Suction **Fan mounted:** Yes **Tightness norm:** IP 68
160908 Axial Fan — Std pkg 1			
CAR GO High Performance 	**Voltage:** 24 **Amp:** 7.1	**OD:** 331 mm **Capacity:** 2760 m³	**Type:** Fan **Fan mounted:** Yes **Tightness norm:** IP 68
160909 Axial Fan — Std pkg 1			
CAR GO High Performance 	**Voltage:** 24 **Amp:** 4.9	**OD:** 382 mm **Capacity:** 2170 m³	**Type:** Suction **Fan mounted:** Yes **Tightness norm:** IP 68
160998 HC-CARGO Axial Fan — Std pkg 1			
	**Voltage:** 24 **Amp:** 2.5	**OD:** 210.8 mm **Capacity:** 645 m³	**Type:** Suction **Tightness norm:** IP 68
160999 HC-CARGO Axial Fan — Std pkg 1			
	**Voltage:** 24 **Amp:** 2.5	**OD:** 210.8 mm **Capacity:** 645 m³	**Type:** Fan **Tightness norm:** IP 68

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

161004 HC-CARGO Axial Fan — Std pkg 1



Voltage: 24
Amp: 9

OD: 330.6 mm
Capacity: 2976 m³

Type: Suction
Tightness norm: IP 68
Alternativ no.: 160584

ACCESSORIES

160966 Mounting kit — Std pkg 1

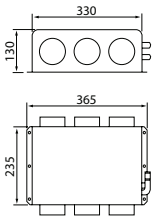
Total length: 180 mm

Washer: w/

CABIN HEATERS

060216 Cabin Heater — Std pkg 1

The heater has three 75 mm tube connections on the air inlet side. There are also three 75 mm tube connctions on the outlet side. The water connectons can be placed on either side of the heater and also be turned towards either the inlet or the outlet side. Centrifugal Blower: HC-CARGO 160649.



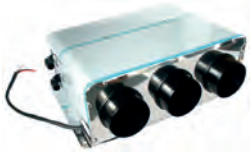
Voltage: 12
Watt/speed 1: 60
Watt/speed 2: 77
Watt/speed 3: 114

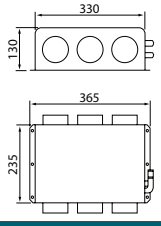
Dim.: 330x230x130 mm
Water connection OD: 16 mm
Capacity kW/speed 1: 7.2
Airflow speed 1: 264 m³/h
Capacity kW/speed 2: 9.3
Airflow speed 2: 357 m³/h
Capacity kW/speed 3: 12.2
Airflow speed 3: 504 m³/h
Regulation: Yes

Cabinet: Stainless steel

060220 Cabin Heater — Std pkg 1

The heater has three 75 mm tube connections on the air inlet side. There are also three 75 mm tube connctions on the outlet side. The water connectons can be placed on either side of the heater and also be turned towards either the inlet or the outlet side. Centrifugal Blower: HC-CARGO 160649.





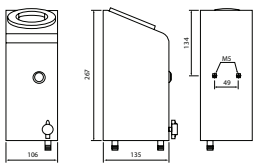
Voltage: 24
Watt/speed 1: 60
Watt/speed 2: 77
Watt/speed 3: 114

Dim.: 330x230x130 mm
Water connection OD: 16 mm
Capacity kW/speed 1: 7.2
Airflow speed 1: 264 m³/h
Capacity kW/speed 2: 9.2
Airflow speed 2: 357 m³/h
Capacity kW/speed 3: 12.2
Airflow speed 3: 504 m³/h
Regulation: Yes

Cabinet: Stainless steel

060222 Cabin Heater — Std pkg 1

This Cabin heater is easily installed in small off road vehicles or as auxiliary heater in buses and delivery vans. The heating cycle is controlled by means of the built-in 1/4-turn water valve and the built-in switch. Heat-On 1331-12.



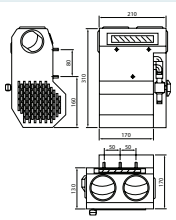
Voltage: 12
Watt/speed 1: 42

Dim.: 267x106x135 mm
Water connection OD: 12 mm
Capacity kW/speed 1: 1.9
Airflow speed 1: 120 m³/h

Cabinet: Metal

060223 Cabin Heater — Std pkg 1

This very powerful cabin heater is used for airrecirculation and has all connections behind a cover allowing hoses and cables to be led in any direction. It has a powerfull fan (230 W), controlled by means of a built-in 1/4-turn water valve. Efficient distribution of the air through the adjustable air vents provides for demisting of the cabin screens w/o the use of extra tubes and nozzles.



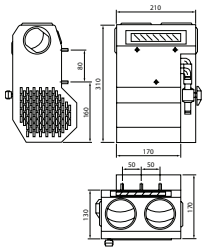
Voltage: 12
Watt/speed 3: 230

Dim.: 310x210x130 mm
Water connection OD: 16 mm
Capacity kW/speed 1: 4.3
Airflow speed 1: 180 m³/h
Capacity kW/speed 2: 6.3
Airflow speed 2: 288 m³/h
Capacity kW/speed 3: 9.2
Airflow speed 3: 468 m³/h
Regulation: Yes

Cabinet: Galvanized steel w/ black polyester

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

060233 Cabin Heater — Std pkg 1



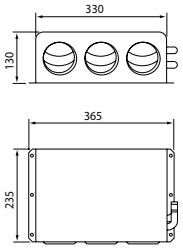
Voltage: 24
Watt/speed 3: 230

Dim.: 310x210x130 mm
Water connection OD: 16 mm
Capacity kW/speed 1: 4.3
Airflow speed 1: 180 m³/h
Capacity kW/speed 2: 6.3
Airflow speed 2: 288 m³/h
Capacity kW/speed 3: 9.2
Airflow speed 3: 468 m³/h
Regulation: Yes

Cabinet: Galvanized steel w/ black polyester

060235 Cabin Heater — Std pkg 1

Especially suitable for heating the passenger room in for instance buses.



Voltage: 24
Watt/speed 1: 60
Watt/speed 2: 77
Watt/speed 3: 114

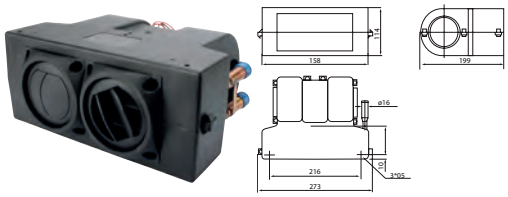
Dim.: 365x235x130 mm
Water connection OD: 16 mm
Capacity kW/speed 1: 7.2
Airflow speed 1: 264 m³/h
Capacity kW/speed 2: 9.3
Airflow speed 2: 357 m³/h
Capacity kW/speed 3: 12.2
Airflow speed 3: 504 m³/h
Regulation: Yes

Cabinet: Metal

060241 Cabin Heater — Std pkg 1

Servicing: Delivery vans, escavators, park tractors - Visit our web catalogue for further information

Radiator: copper/aluminium.



Voltage: 12
Watt/speed 2: 75

Dim.: 273x199x114 mm
Water connection OD: 16 mm
Capacity kW/speed 2: 4.3
Airflow speed 2: 230 m³/h
Regulation: Yes

Cabinet: Shockproof plastic

HEATER MOTORS

060059 Cabin Heater Motor — Std pkg 1

Heat-on 1531M-2412.

Voltage: 12

Dim.: 72 mm
Dia.: 70 mm
Shaft dia.: 6.35x16 mm
Length: 63 mm
Speed: 1-speed

Mount.: 3 holes
No./shafts: 1

060213 Cabin Heater Motor — Std pkg 1

Heat-on 1531 M-5012.

Voltage: 12

Dia.: 70 mm
Shaft dia.: 6.35x16 mm
Length: 63 mm
Speed: 2-speed

Mount.: 3 holes
No./shafts: 1
Fan mounted: No

060214 Cabin Heater Motor — Std pkg 1

Heat-on 1531 M-5024.

Voltage: 24

Dia.: 70 mm
Shaft dia.: 6.35x16 mm
Length: 63 mm
Speed: 1-speed

Mount.: 3 holes
No./shafts: 1
Fan mounted: No

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

CONNECTORS

060229 Round Air Vent — Std pkg 1

Heat-on 66231.

ID: 70/76 mm
OD: 101 mm

ACCESSORIES

060058 Defroster Set — Std pkg 1

Heat-on 1518.

ID/demister tube connection: 45 mm
ID/demister tube: 40 mm
Length: 160 cm

Rubber elbows: 2
Demist nozzles: 2

060215 Fan — Std pkg 1

Heat-on 1531-10.

OD: 120 mm

060219 Air Distribution Kit — Std pkg 1 — **Servicing:** HC-CARGO 060216, 060220

Heat-on 3050-30.

ID/demister tube: 75 mm
Length: 620 cm

Demist nozzles: 3

060227 Water Valve — Std pkg 1

Heat-on 2100.

ID/demister tube connection: 16 mm
Length: 11.2 cm

060237 Demister Tube — Std pkg 1

ID/demister tube: 50 mm

WIPER SYSTEMS

WIPER BLADES

FOR PASSENGER CARS

FLEXFIT

HC-CARGO	Std Pkg	Length		Type
161061	Pkg.1	350 mm	14"	For curved glass

HC-CARGO	Std Pkg	Length		Type
161062	Pkg.1	380 mm	15"	For curved glass

HC-CARGO	Std Pkg	Length		Type
161063	Pkg.1	400 mm	16"	For curved glass
161064	Pkg.1	450 mm	18"	For curved glass
161065	Pkg.1	470 mm	19"	For curved glass
161066	Pkg.1	500 mm	20"	For curved glass
161067	Pkg.1	530 mm	21"	For curved glass
161068	Pkg.1	550 mm	22"	For curved glass
161069	Pkg.1	600 mm	24"	For curved glass
161070	Pkg.1	650 mm	26"	For curved glass
161071	Pkg.1	700 mm	28"	For curved glass
161940*	Pkg.1	750 mm	30"	For curved glass

161927* Carton Wiper Display Std pkg 1

Consists: 4x HC-CARGO 161061.4x HC-CARGO 161062.4x HC-CARGO 161063.4x HC-CARGO 161064.6x HC-CARGO 161065.6x HC-CARGO 161066.6x HC-CARGO 161067.6x HC-CARGO 161068.12x HC-CARGO 161069.6x HC-CARGO 161070.6x HC-CARGO 161071.

Alternativ no.: 161118

FOR TRUCKS

DOGA

HC-CARGO	Std Pkg	Length		Type
160321	Pkg.1	400 mm	16"	
160322	Pkg.1	450 mm	18"	
160323	Pkg.1	500 mm	20"	
160325	Pkg.1	600 mm	24"	
160326	Pkg.1	600 mm	24"	
160327	Pkg.1	650 mm	26"	For curved glass
160370	Pkg.1	650 mm	26"	
160328	Pkg.1	700 mm	28"	
160411	Pkg.1	700 mm	28"	
160329	Pkg.1	800 mm	32"	
161013	Pkg.1	900 mm	36"	
160330	Pkg.1	1000 mm	40"	

INDUSTRIAL

DOGA

HC-CARGO	Std Pkg	Length		Type
160019	Pkg.1	300 mm	12"	For flat glass
161925	Pkg.1	302 mm	11.8"	For flat glass
160028	Pkg.1	330 mm	13"	For flat glass
160035	Pkg.1	350 mm	14"	For flat glass
160025	Pkg.1	360 mm	14"	For flat glass
160026	Pkg.1	400 mm	16"	For flat glass

MOUNTING PARTS

160758 Adapter Kit — Std pkg 1 — **Servicing:** HC-CARGO 160325

DOGA

Used on: Trucks

WIPER ARMS

160022 Wiper Arm — Std pkg 1 — **Servicing:** HC-CARGO 160031, 160032, 160033, 160034, 160506, 160558, 160292, 160293

DOGA

Dim./wiper arm: 8x2 mm
Length: 390 mm
Mount./wiper shaft: 6 mm

Type: Single

160023 Wiper Arm — Std pkg 1 — **Servicing:** HC-CARGO 160031, 160032, 160033, 160034, 160506, 160558, 160292, 160293, Opel

DOGA

Dim./wiper arm: 8x2 mm
Length: 420 mm
Mount./wiper shaft: 6 mm

Type: Single

160024 Wiper Arm — Std pkg 1 — **Servicing:** HC-CARGO 160031, 160032, 160033, 160034, 160506, 160558, 160292, 160293, Opel

DOGA

Dim./wiper arm: 8x2.5 mm
Length: 450 mm
Mount./wiper shaft: 6 mm

Type: Single

160256 Wiper Arm — Std pkg 1 — **Servicing:** HC-CARGO 160258, 160290, 160291, 160357, 160408, 160659, 160725, 161023

DOGA

Length: 450 mm
Dist./wiper arms: 57 mm
Mount./wiper shaft: M6 cone+M8 shaft mm

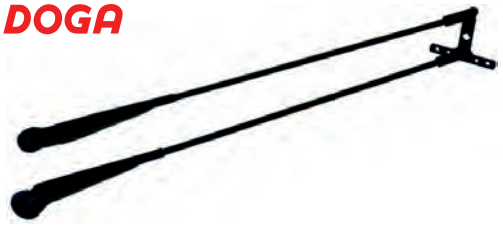
Type: Parallel
Length/adjustable: No

160257 Wiper Arm — Std pkg 1 — **Servicing:** HC-CARGO 160258, 160290, 160291, 160357, 160408, 160659, 160725, 161023

DOGA

Length: 400 mm
Dist./wiper arms: 57 mm
Mount./wiper shaft: M6 cone+M8 shaft mm

Type: Parallel
Length/adjustable: No

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
160338 Wiper Arm Std pkg 1	**Servicing:** HC-CARGO 160727, 160321, 160322		
DOGA		**Length:** 700 mm **Dist./wiper arms:** 55 mm **Mount./wiper shaft:** 2x8 cone mm	**Type:** Parallel **Length/adjustable:** No
160339 Wiper Arm Std pkg 1	**Servicing:** HC-CARGO: 160292.		
Wiper motor: HC-CARGO 160292, 160293.			
DOGA		**Length:** 400 mm **Dist./wiper arms:** 57 mm **Mount./wiper shaft:** 6+M8 shaft mm	**Type:** Parallel **Length/adjustable:** No
160358 Wiper Arm Std pkg 1	**Servicing:** HC-CARGO 160258, 160290, 160291, 160357, 160408, 160659, 160725, 161023		
DOGA		**Length:** 500 mm **Dist./wiper arms:** 57 mm **Mount./wiper shaft:** M6 cone+M8 shaft mm	**Type:** Parallel **Length/adjustable:** No
160359 Wiper Arm Std pkg 1	**Servicing:** HC-CARGO 160258, 160290, 160291, 160357, 160408, 160659, 160725, 161023		
DOGA 		**Length:** 550 mm **Dist./wiper arms:** 57 mm **Mount./wiper shaft:** M6 cone+M8 shaft mm	**Type:** Parallel **Length/adjustable:** No
160485 Wiper Arm Std pkg 1	**Servicing:** HC-CARGO 161023, 160659		
DOGA		**Length:** 430-500 mm **Dist./wiper arms:** 57 mm **Mount./wiper blade:** 9x2.5 mm hook **Mount./wiper shaft:** M8 cone+M8 shaft mm	**Type:** Parallel **Length/adjustable:** Yes
160486 Wiper Arm Std pkg 1			
DOGA		**Length:** 340-420 mm **Mount./wiper blade:** 9x3 mm hook **Mount./wiper shaft:** M8 cone mm	**Type:** Single **Length/adjustable:** Yes
160487 Wiper Arm Std pkg 1			
DOGA		**Length:** 430-500 mm **Mount./wiper blade:** 9x3 mm hook **Mount./wiper shaft:** M8 cone mm	**Type:** Single **Length/adjustable:** Yes

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

160571 Wiper Arm — Std pkg 1 — **Servicing:** HC-CARGO 161025

Sprinkler.

DOGA

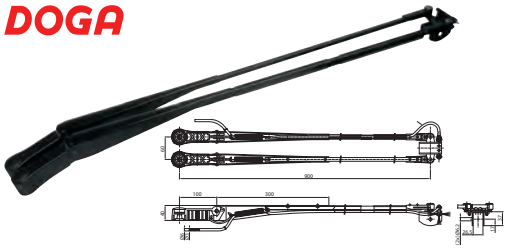
Length: 680 mm
Dist./wiper arms: 60 mm
Mount./wiper shaft: 2x8 cone mm

Type: Parallel
Length/adjustable: No

161021 Wiper Arm — Std pkg 1

Sprinkler.

DOGA



Length: 900 mm
Dist./wiper arms: 60 mm
Mount./wiper shaft: 2xM10 cone mm

Type: Parallel
Length/adjustable: No

MOUNTING PARTS

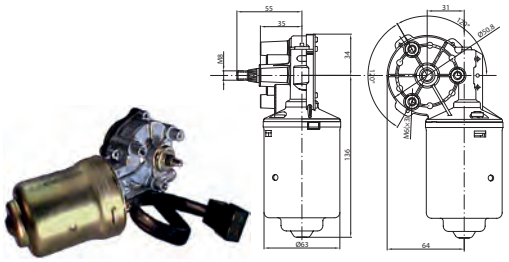
160727 K-Connector — Std pkg 1 — **Servicing:** HC-CARGO 160338

DOGA

Used on: Trucks

WIPER MOTORS

160150 Wiper Motor — Std pkg 1 — **Servicing:** Fiat 127, Lada 2101 - Visit our web catalogue for further information

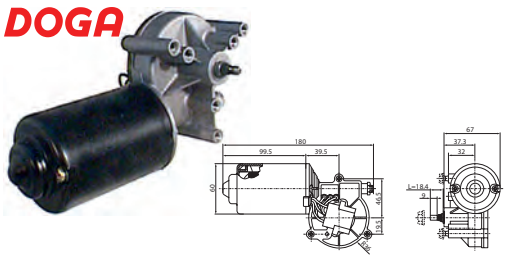


Voltage: 12

Type: OE

160395 Wiper Motor — Std pkg 1 — **Servicing:** Nissan Patrol 86-93 - Visit our web catalogue for further information

DOGA

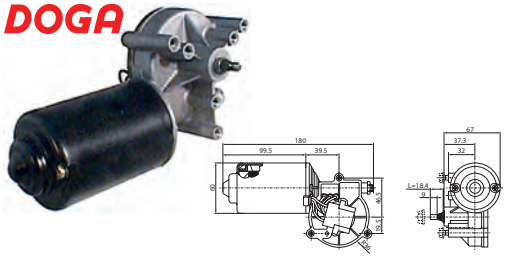


Voltage: 12

Type: OE
Position: Rear windscreen
Wiper shaft: w/ 1 M6 Shaft
Auto stop: No

160396 Wiper Motor — Std pkg 1 — **Servicing:** Nissan Patrol 86-93 - Visit our web catalogue for further information

DOGA



Voltage: 24

Type: OE
Position: Rear windscreen
Wiper shaft: w/ 1 M6 Shaft
Auto stop: No

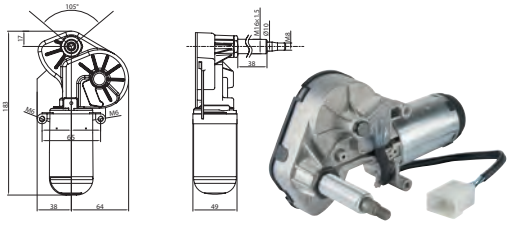
	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

160671 Wiper Motor — Std pkg 1 — **Servicing:** Citroen, Fiat, Peugeot - Visit our web catalogue for further information

Voltage: 12

Type: OE
Position: Front windscreen

160881 Wiper Motor — Std pkg 1 — **Servicing:** TEREX/SCHAEFF - Visit our web catalogue for further information



Voltage: 12

Shaft length: 38 mm
Wiper angle: 105°

Type: OE
Wiper shaft: w/ 1 Shaft
Built in switch: No
Auto stop: Yes
Auto stop/placement: Left side

161914 Wiper Motor — Std pkg 1 — **Servicing:** Mercedes-Benz - Visit our web catalogue for further information

BOSCH

Voltage: 24

161917 Wiper Motor — Std pkg 1 — **Servicing:** Citroen, Peugeot - Visit our web catalogue for further information

BOSCH

Voltage: 12

161918 Viskerrmotor — Std pkg 1 — **Servicing:** Seat, Skoda, VW - Visit our web catalogue for further information

BOSCH

Voltage: 12

161919 Wiper Motor — Std pkg 1 — **Servicing:** Peugeot - Visit our web catalogue for further information

BOSCH

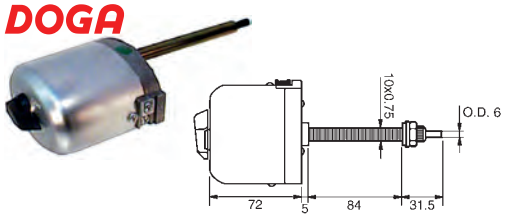
Voltage: 12

UNIVERSAL

160031 Wiper Motor — Std pkg 1 — **Servicing:** HC-CARGO 160022, 160023, 160024

Fitted w/ an interchangeable bearing allowing the shaft to be cut in any size.

DOGA



Voltage: 12

Wiper angle: 85°

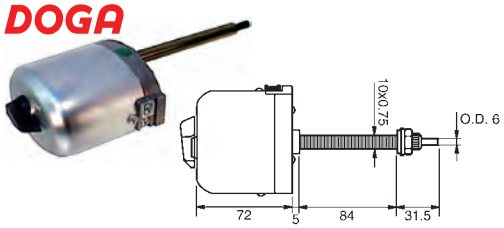
Type: Universal
Wiper shaft: w/ 1 Shaft
Built in switch: Yes
Auto stop: No

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

160032 Wiper Motor — Std pkg 1 — **Servicing:** HC-CARGO 160022, 160023, 160024

Fitted w/ an interchangeable bearing allowing the shaft to be cut in any size.

DOGA



Voltage: 24

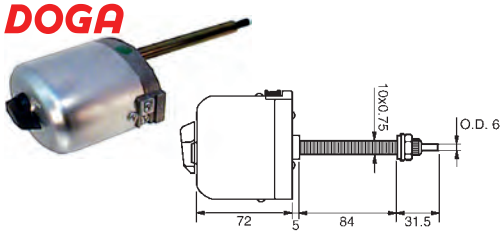
Wiper angle: 85°

Type: Universal
Wiper shaft: w/ 1 Shaft
Built in switch: Yes
Auto stop: No

160033 Wiper Motor — Std pkg 1 — **Servicing:** HC-CARGO 160022, 160023, 160024

Fitted w/ an interchangeable bearing allowing the shaft to be cut in any size.

DOGA



Voltage: 12

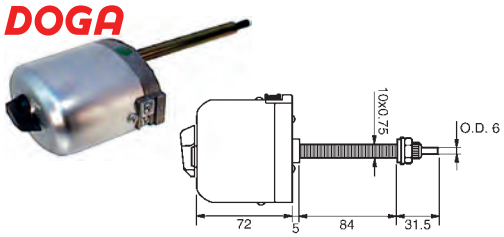
Wiper angle: 110°

Type: Universal
Wiper shaft: w/ 1 Shaft
Built in switch: Yes
Auto stop: No

160034 Wiper Motor — Std pkg 1 — **Servicing:** HC-CARGO 160022, 160023, 160024

Fitted w/ an interchangeable bearing allowing the shaft to be cut in any size.

DOGA



Voltage: 24

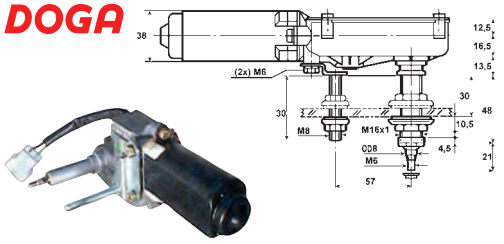
Wiper angle: 110°

Type: Universal
Wiper shaft: w/ 1 Shaft
Built in switch: Yes
Auto stop: Yes

160258 Wiper Motor — Std pkg 1 — **Servicing:** HC-CARGO 160256, 160257, 160358, 160359

w/ reciprocating shaft.

DOGA



Voltage: 12

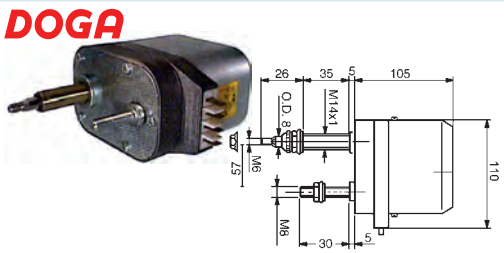
Dist./shafts: 57 mm
Wiper angle: 95°

Type: Universal
Wiper shaft: w/ 2 shafts for parallelogram
Built in switch: No
Auto stop: Yes

160290 Wiper Motor — Std pkg 1 — **Servicing:** HC-CARGO 160256, 160257, 160358, 160359

w/ reciprocating shaft.

DOGA



Voltage: 12

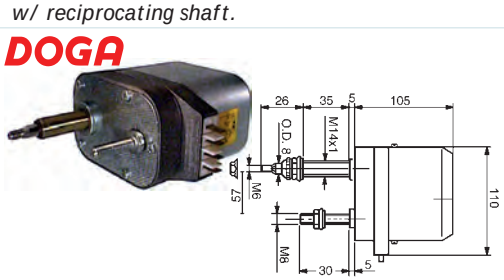
Dist./shafts: 57 mm
Wiper angle: 95°

Type: Universal
Wiper shaft: w/ 2 shafts for parallelogram
Built in switch: No
Auto stop: Yes
Auto stop/placement: Left side

160291 Wiper Motor — Std pkg 1 — **Servicing:** HC-CARGO 160256, 160257, 160358, 160359

w/ reciprocating shaft.

DOGA



Voltage: 24

Dist./shafts: 57 mm
Wiper angle: 95°

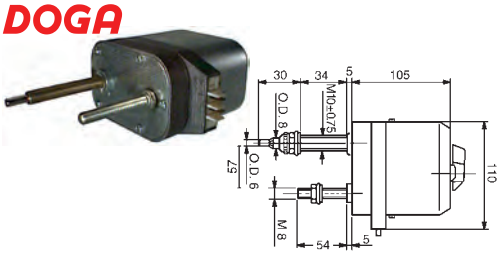
Type: Universal
Wiper shaft: w/ 2 shafts for parallelogram
Auto stop: Yes
Auto stop/placement: Left side

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

160292 Wiper Motor — Std pkg 1 — **Servicing:** HC-CARGO 160022, 160023, 160024

w/ reciprocating shaft. Wiper Arm: HC-CARGO 160339.

DOGA



Voltage: 12

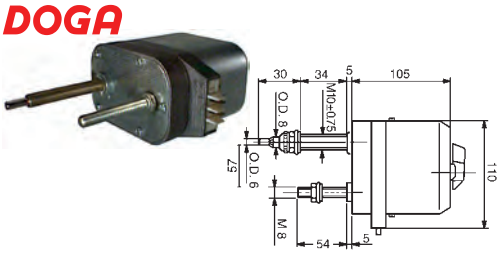
Dist./shafts: 57 mm
Wiper angle: 110°

Type: Universal
Wiper shaft: w/ 2 shafts for parallelogram
Built in switch: Yes
Auto stop: No

160293 Wiper Motor — Std pkg 1 — **Servicing:** HC-CARGO 160022, 160023, 160024

w/ reciprocating shaft.

DOGA



Voltage: 24

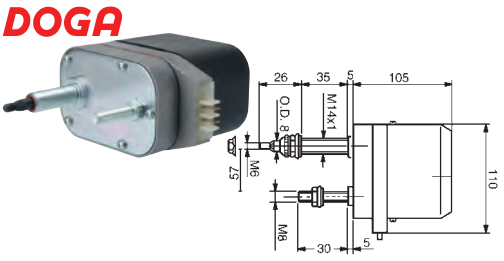
Dist./shafts: 57 mm
Wiper angle: 110°

Type: Universal
Wiper shaft: w/ 2 shafts for parallelogram
Built in switch: Yes
Auto stop: No

160357 Wiper Motor — Std pkg 1 — **Servicing:** HC-CARGO 160256, 160257, 160358, 160359

w/ reciprocating shaft.

DOGA



Voltage: 12

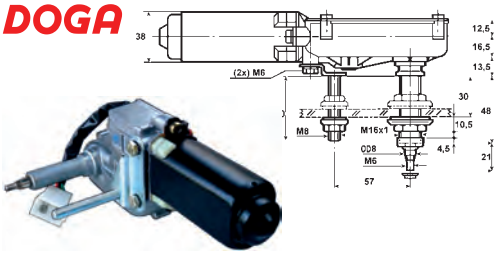
Dist./shafts: 57 mm
Wiper angle: 90°

Type: Universal
Wiper shaft: w/ 2 shafts for parallelogram
Built in switch: Yes
Auto stop: No

160408 Wiper Motor — Std pkg 1 — **Servicing:** HC-CARGO 160256, 160257, 160358, 160359

w/ reciprocating shaft.

DOGA



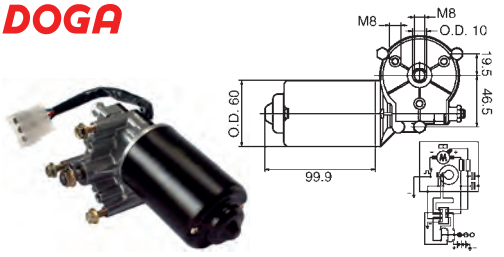
Voltage: 24

Dist./shafts: 57 mm
Wiper angle: 95°

Type: Universal
Wiper shaft: w/ 2 shafts for parallelogram
Auto stop/placement: Right side

160503 Wiper Motor — Std pkg 1

DOGA

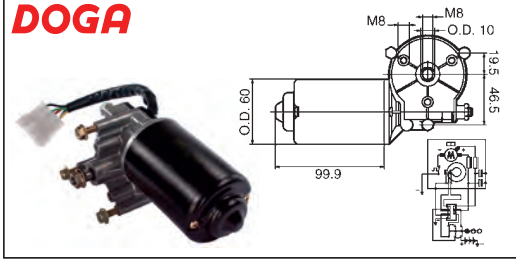


Voltage: 12

Type: Universal
Built in switch: No
Auto stop: Yes

160504 Wiper Motor — Std pkg 1

DOGA



Voltage: 24

Type: Universal
Auto stop: Yes

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

160506 Wiper Motor — Std pkg 1 — **Servicing:** HC-CARGO 160022, 160023, 160024

Moment: 0.8 NM.

DOGA

Voltage: 12

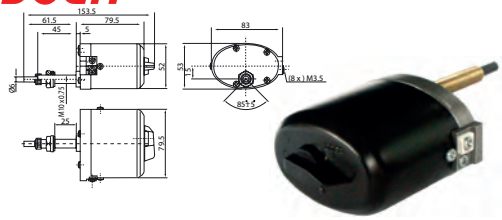
Wiper angle: 110°

Type: Universal
Wiper shaft: w/ 1 Shaft
Built in switch: Yes

160558 Wiper Motor — Std pkg 1 — **Servicing:** HC-CARGO 160022, 160023, 160024

Black motor.

DOGA



Voltage: 12

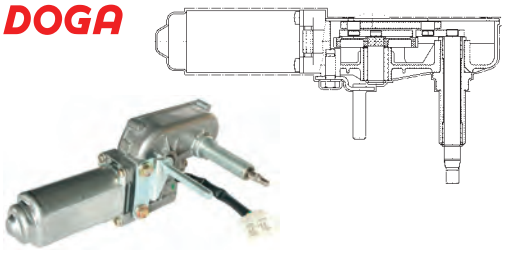
Wiper angle: 85°

Type: Universal
Position: Rear windscreen
Wiper shaft: w/ 1 Shaft
Built in switch: Yes

160659 Wiper Motor — Std pkg 1 — **Servicing:** HC-CARGO 160256, 160257, 160358, 160359

1 speed.

DOGA



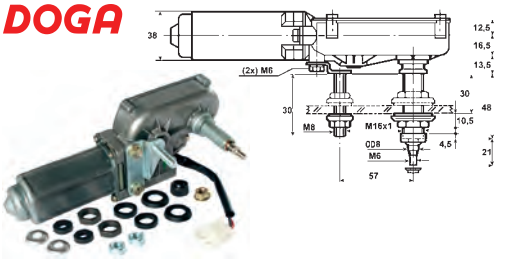
Voltage: 12

Dist./shafts: 57 mm
Wiper angle: 85°

Type: Universal
Wiper shaft: w/ 1 M6 Shaft
Built in switch: No
Auto stop: Yes

160725 Wiper Motor — Std pkg 1 — **Servicing:** HC-CARGO 160256, 160257, 160358, 160359

DOGA



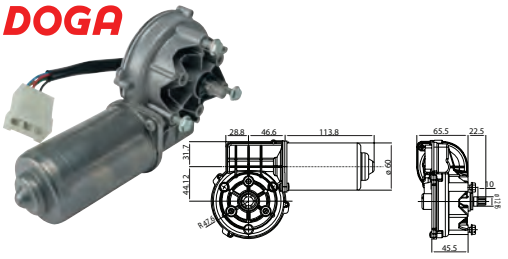
Voltage: 12

Dist./shafts: 57 mm
Wiper angle: 90°

Type: Universal
Wiper shaft: w/ 2 shafts for parallelogram
Built in switch: Yes
Auto stop: Yes
Auto stop/placement: Right side

161022 Wiper Motor — Std pkg 1

DOGA



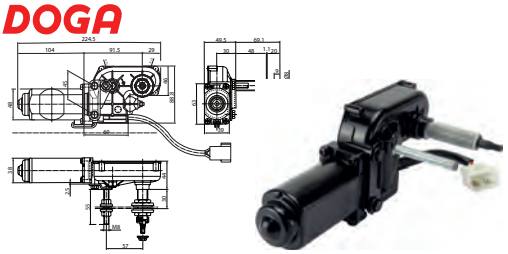
Voltage: 24

Wiper angle: 90°

Type: Universal
Built in switch: No

161023 Wiper Motor — Std pkg 1 — **Servicing:** HC-CARGO 160256, 160257, 160358, 160359

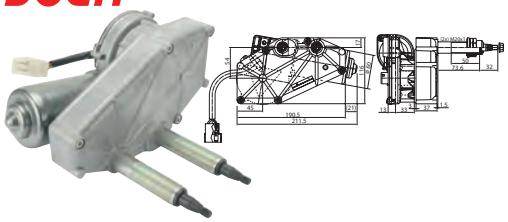
DOGA



Voltage: 24

Dist./shafts: 57 mm
Wiper angle: 85°

Type: Universal
Wiper shaft: w/ 2 M8 shafts for parallelogram
Built in switch: No

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
161025 Wiper Motor Std pkg 1			
DOGA 	**Voltage:** 24	**Wiper angle:** 40°	**Type:** Universal **Built in switch:** No
161903 Wiper Motor Std pkg 1			
BOSCH	**Voltage:** 12		
161904 Wiper Motor Std pkg 1			
BOSCH	**Voltage:** 24		
161911 Viskerrmotor Std pkg 1			
BOSCH	**Voltage:** 24		
161912 Wiper Motor Std pkg 1			
BOSCH	**Voltage:** 24		
161913 Wiper Motor Std pkg 1			
BOSCH	**Voltage:** 12		
161915 Wiper Motor Std pkg 1			
BOSCH	**Voltage:** 24		

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
161916 Wiper Motor Std pkg 1	**Servicing:** Scania - Visit our web catalogue for further information		
BOSCH	**Voltage:** 24		
161920 Wiper Motor Std pkg 1	**Servicing:** Iveco - Visit our web catalogue for further information		
BOSCH	**Voltage:** 24		
161921 Wiper Moter Std pkg 1			
BOSCH	**Voltage:** 24		

WINDSCREEN WASHERS

KITS

160186 Washer Kit Std pkg 1			
Pump: HC-CARGO 160386.			
	Voltage: 12	**Dim.:** 190x130x100 mm **Can capacity:** 1.2 l **Capacity:** 140 ml/min	**Type:** Complete kit **Can:** w/
160273 Washer Kit Std pkg 1			
Pump: HC-CARGO 160630.			
	Voltage: 24	**Dim.:** 190x130x100 mm **Can capacity:** 1.2 l	**Type:** Complete kit **Can:** w/

TANKS

12 V

160187 Washer Tank Std pkg 1			
Washer pump: HC-CARGO 160360.			
DOGA	**Voltage:** 12	**Dim.:** 207x200x100 mm **Can capacity:** 3 l	**Type:** Can **Motor:** w/

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

160973 Washer Tank 12 V — Std pkg 1

Washer pump: HC-CARGO 160386.

Voltage: 12

Dim.: 190x130x100 mm
Can capacity: 1.2 l

Type: Can
Motor: w/
Alternativ no.: 160186

24 V

160188 Washer Tank — Std pkg 1

Washer pump: HC-CARGO 160630.

DOGA

Voltage: 24

Dim.: 207x200x100 mm
Can capacity: 3 l

Type: Can
Motor: w/

160967 Washer Tank — Std pkg 1

Doga ref. 232.2001.30.00.

DOGA

Voltage: 24

Dim.:
220x151.5x100 mm
Can capacity: 2.1 l

Type: Can
Motor: w/

PUMPS

160197 Washer Pump — Std pkg 1

Servicing: Porsche, Volvo, Volkswagen, Alfa Romeo, Audi, BMW, Fiat, Ford, Lancia, Mercedes-Benz, Opel, Porsche, Saab, Seat - Visit our web catalogue for further information

Voltage: 12

Capacity: 2400 ml/min

Type: Standard
Pump type: Single

160198 Washer Pump — Std pkg 1

Servicing: Scania, Mercedes-Benz - Visit our web catalogue for further information

Voltage: 24

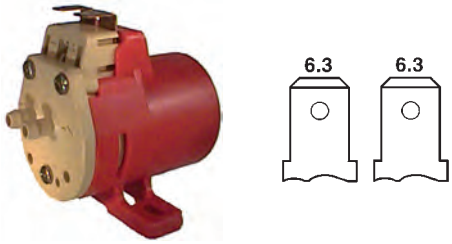
Capacity: 2400 ml/min

Type: Universal
Pump type: Single

160223 Washer Pump — Std pkg 1

Servicing: Peugeot 104, 504 - Visit our web catalogue for further information

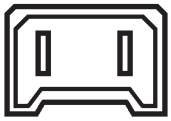
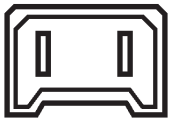
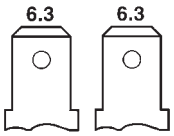
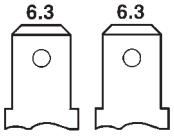
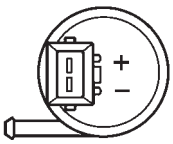
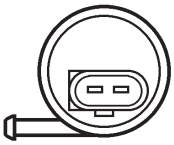
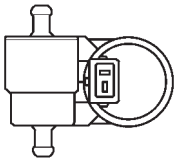
For independent mounting in engine compartment.

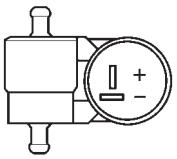
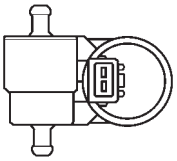
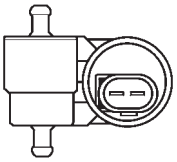
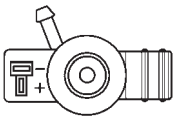
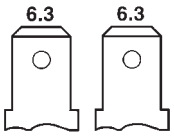
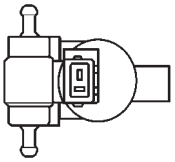
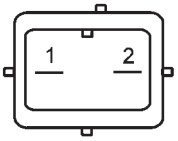


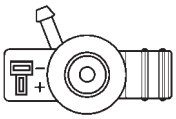
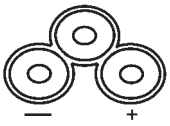
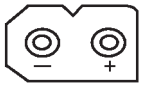
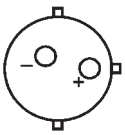
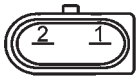
Voltage: 12

Capacity: 1500 ml/min

Type: Universal
Pump type: Single

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
160289 Washer Pump Std pkg 1	**Servicing:** Peugeot, Citroen, Renault - Visit our web catalogue for further information		
	**Voltage:** 24	**Capacity:** 1500 ml/min	**Pump type:** Single
160332 Washer Pump Std pkg 1	**Servicing:** Peugeot, Citroen, Renault - Visit our web catalogue for further information		
	**Voltage:** 12	**Capacity:** 1500 ml/min	**Type:** Universal **Pump type:** Single
160360 Washer Pump Std pkg 1	**Servicing:** HC-CARGO 160187, 160188 Rover Group, Honda - Visit our web catalogue for further information		
	**Voltage:** 12	**Capacity:** 1400 ml/min	**Type:** Universal **Pump type:** Single
160361 Washer Pump Std pkg 1	**Servicing:** Skoda Favorit - Visit our web catalogue for further information		
Replacing original pump 115930290 on Skoda Favorit.			
	**Voltage:** 12	**Capacity:** 1200 ml/min	**Type:** Standard **Pump type:** Single
160378 Washer Pump Std pkg 1	**Servicing:** Ford, Opel, Seat, VW - Visit our web catalogue for further information		
	**Voltage:** 12	**Capacity:** 2200 ml/min	**Pump type:** Single
160379 Washer Pump Std pkg 1	**Servicing:** Mercedes-Benz - Visit our web catalogue for further information		
	**Voltage:** 12	**Capacity:** 2200 ml/min	**Type:** Standard **Pump type:** Single
160380 Washer Pump Std pkg 1	**Servicing:** VW, Opel, Seat, Ford - Visit our web catalogue for further information		
	**Voltage:** 12	**Capacity:** 2400 ml/min	**Type:** Universal **Pump type:** Dual

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
160381 Washer Pump — Std pkg 1	**Servicing:** Fiat, Vauxhall, Audi, Ford, Opel, VW, Wartburg - Visit our web catalogue for further information		
	**Voltage:** 12	**Capacity:** 2000 ml/min	**Type:** Universal **Pump type:** Dual
160382 Washer Pump — Std pkg 1	**Servicing:** Opel, Seat, VW - Visit our web catalogue for further information		
	**Voltage:** 12	**Capacity:** 2400 ml/min	**Type:** Universal **Pump type:** Dual
160383 Washer Pump — Std pkg 1	**Servicing:** VW, Smart, Seat, Audi, BMW - Visit our web catalogue for further information		
	**Voltage:** 12	**Capacity:** 2200 ml/min	**Type:** Universal **Pump type:** Dual
160386 Washer Pump — Std pkg 1	**Servicing:** HC-CARGO 160186, 160973, Honda Accort, Peugeot (UK), Ford - Visit our web catalogue for further information		
	**Voltage:** 12	**Capacity:** 1800 ml/min	**Type:** Universal **Pump type:** Single
160507 Washer Pump — Std pkg 1			
	**Voltage:** 24	**Capacity:** 1500 ml/min	**Type:** Universal **Pump type:** Single
160535 Washer Pump — Std pkg 1	**Servicing:** Daihatsu, Ford, Mazda - Visit our web catalogue for further information		
	**Voltage:** 12	**Capacity:** 1800 ml/min	**Type:** Standard **Pump type:** Dual
160629 Washer Pump — Std pkg 1	**Servicing:** Citroen, Fiat, Peugeot - Visit our web catalogue for further information		
	**Voltage:** 12	**Capacity:** 1700 ml/min	**Type:** Standard **Pump type:** Dual

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
160630 Washer Pump Std pkg 1	**Servicing:** HC-CARGO 160273		
	**Voltage:** 24	**Capacity:** 1800 ml/min	**Type:** Universal **Pump type:** Single
160677 Washer Pump Std pkg 1	**Servicing:** Daewoo, Hyundai, Kia, Mazda, Mitsubishi, Toyota - Visit our web catalogue for further information		
	Voltage: 12	**Capacity:** 2000 ml/min	**Type:** Standard **Pump type:** Single
160679 Washer Pump Std pkg 1	**Servicing:** Mercedes-Benz - Visit our web catalogue for further information		
	**Voltage:** 12	**Capacity:** 2100 ml/min	**Type:** Standard **Pump type:** Single
160680 Washer Pump Std pkg 1	**Servicing:** BMW - Visit our web catalogue for further information		
	**Voltage:** 12	**Capacity:** 2300 ml/min	**Type:** Standard **Pump type:** Single
160681 Washer Pump Std pkg 1	**Servicing:** Audi - Visit our web catalogue for further information		
	**Voltage:** 12	**Capacity:** 2400 ml/min	**Type:** Standard **Pump type:** Single
160683 Washer Pump Std pkg 1	**Servicing:** Audi, BMW, Mercedes-Benz, Seat, Skoda, VW - Visit our web catalogue for further information		
	**Voltage:** 12	**Capacity:** 2200 ml/min	**Type:** Standard **Pump type:** Dual

JETS

160192 Washer Jet Std pkg 10			
		OD: 6.2 mm **Length:** 38 mm **Thread:** 9.5 mm	**Jet:** Dual

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

160686 Washer Jet — Std pkg 10

OD: 15 mm
Length: 9 mm

Jet: Single

160688 Washer Jet — Std pkg 10

Universal.

OD: 5.8 mm
Length: 30 mm
Thread: 9.5 mm

Jet: Dual

161124 Washer Jet — Std pkg 1

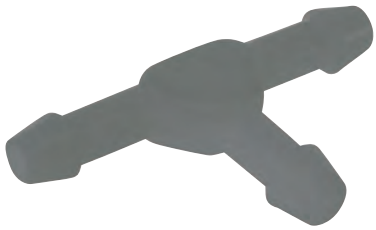
Installation of wiper arms.

Jet: Dual
Alternativ no.: 160917

CONNECTIONS

160195 T-Connector — Std pkg 10

For hose I.D. 4 mm.

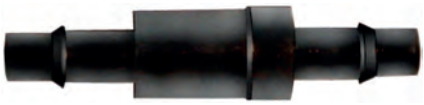


OD: 4 mm

Valve: w/o

160413 Pipe Connector — Std pkg 10

For hose I.D. 4 mm.



OD: 8 mm
Length: 32 mm

Valve: w/

RADIO ACCESSORIES

AERIALS

040077 Aerial — Std pkg 1

Removable mast.

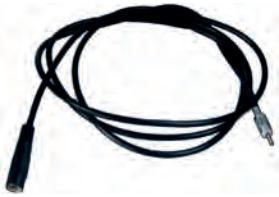
Ohm: 150

Length: 400 mm
Cable length: 1200 mm
Hole size: 8 mm
Mount. angle: 0-180°

Colour: Black
Material: Rubber

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
040094 Aerial Extension Lead Std pkg 1			
		Cable length: 3500 mm	
040190 Aerial Std pkg 1			
Removable mast.			
	Ohm: 150	**Length:** 570 mm **Cable length:** 1300 mm **Hole size:** 18 mm **Mount. angle:** 0-45°	**Colour:** Black **Material:** Fiber glass
040215 Aerial Std pkg 1			
Extended.			
	Ohm: 150	**Length:** 1000 mm **Cable length:** 1500 mm **Hole size:** 12 mm	**Mount.:** Pillar **Type:** 3 sections **Colour:** Black **Material:** Stainless steel

EXTENSION LEADS

040019 Aerial Extension Lead Std pkg 1			
		Cable length: 1000 mm	
040192 Aerial Extension Lead Std pkg 1			
		**Cable length:** 2000 mm	

PLUGS & SOCKETS

040096 Aerial Plug Std pkg 10			
			Male/female: Male
040199 Aerial Plug Std pkg 1			
New standard (ISO).			

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

040200 Aerial Adaptor Std pkg 5

New to old male plug ISO>DIN.

040201 Aerial Adaptor Std pkg 5

Old to new male plug DIN>ISO.

CAPACITORS
FOR CAR RADIOS

150100 Capacitor Std pkg 10

For car radios.

El. capacitance: 2.2 µF
Length: 100 mm
Type: Universal
Mount. bracket: Straight
Plug: Straight
Cable: w/

150101 Capacitor Std pkg 10

For car radios.

El. capacitance: 2.2 µF
Length: 80 mm
Type: Universal
Mount. bracket: Angled
Plug: Angled
Cable: w/

150407 Capacitor Std pkg 10

For car radios.

El. capacitance: 2.2 µF
Length: 40 mm
Type: Universal
Mount. bracket: Angled
Plug: Angled
Cable: w/

150408 Capacitor Std pkg 10

For car radios.

El. capacitance: 2.2 µF
Length: 100 mm
Type: Universal
Mount. bracket: Angled
Plug: Ring
Cable: w/

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

LOUDSPEAKER IN CABINET

040197 Speakers — Std pkg 1

Ohm: 4

Length: 97 mm
Depth: 95 mm
Width: 95 mm

Cabinet: Yes
Mount. bracket: Yes
Unit: Set

RADIO MOUNTING KITS

040149 Radio Box — Std pkg 1

Colour: Black
Material: Acrylic
Mount. bracket: Pendant
Integral front: Yes

040170 Radio Mounting Kit — Std pkg 1

Galvanized. w/ gasket.

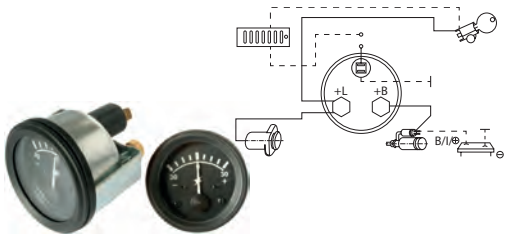
Integral front: Yes

DASHBOARD GAUGES

AMMETER

160697 Ammeter — Std pkg 1

White figures.



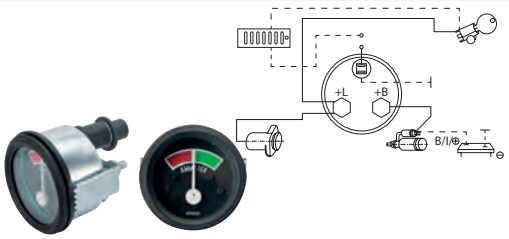
Voltage: 12-24

OD: 52 mm

Mount. type: Hook fastening
Colour: Black
Measuring range: 30-0-30

160698 Ammeter — Std pkg 1

White figures.



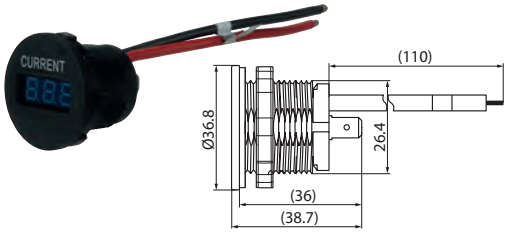
Voltage: 12-24

OD: 52 mm

Mount. type: Hook fastening
Colour: Black
Measuring range: 60-0-60

161716 Ammeter — Std pkg 1 — **Servicing:** HC-CARGO 181679, 181680, 181681

Mounting hole: 29 mm. 6.3 mm terminals.



Voltage: 12/24

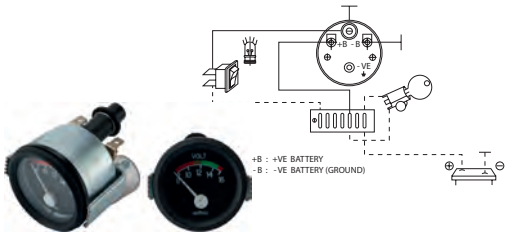
ID: 26.4 mm
OD: 36.8 mm

Mount. type: Built-in
Colour: Black
Measuring range: 0-20
Digital: Yes

VOLTMETER

160695 Voltmeter — Std pkg 1

White figures.



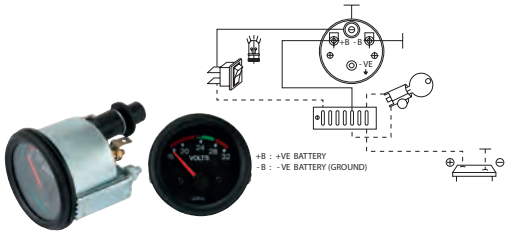
Voltage: 8-16

OD: 52 mm

Mount. type: Hook fastening
Colour: Black
Measuring range: 8-16

160696 Voltmeter — Std pkg 1

White figures.



Voltage: 16-32

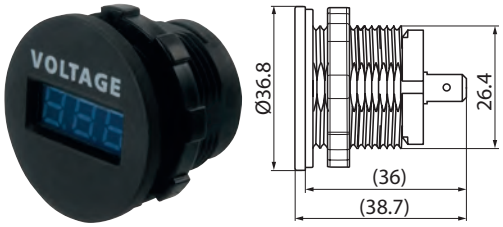
OD: 52 mm

Mount. type: Hook fastening
Colour: Black
Measuring range: 16-32

161714 Voltmeter — Std pkg 1

Servicing: HC-CARGO 181679, 181680, 181681

Mounting hole: 29 mm. 6.3 mm terminals.



Voltage: 0-36

ID: 26.4 mm
OD: 36.8 mm

Mount. type: Built-in
Colour: Black
Measuring range: 0-36
Digital: Yes

161715 Voltmeter — Std pkg 1

Servicing: HC-CARGO 181679, 181680, 181681

Mounting hole: 29 mm. 6.3 mm terminals.

Voltage: 12/24

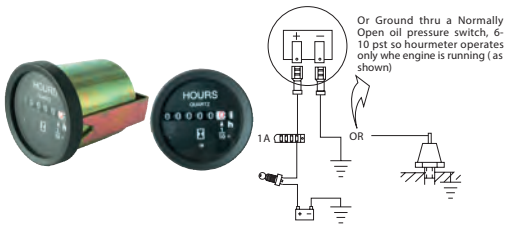
ID: 26.4 mm
OD: 36.8 mm

Mount. type: Built-in
Colour: Black
Measuring range: 16-32
Digital: Yes

HOUR METER

160702 Hour Meter — Std pkg 1

w/o illumination. IP65.



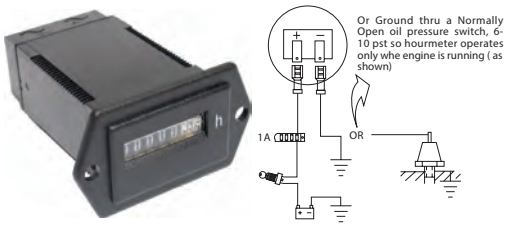
Voltage: 12-28

OD: 52 mm

Type: Mechanical
Mount. type: Hook fastening
Colour: Black

160747 Hour Meter — Std pkg 1

w/o illumination.



Voltage: 10-28

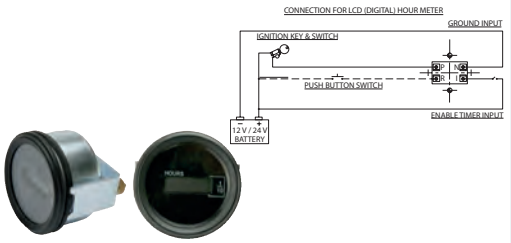
OD: 36.5x25 mm

Type: Electrical operated
Colour: Black

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

160897 Hour Meter Std pkg 1

Digital.



Voltage: 10-28

OD: 52 mm

Type: Electrical operated
Mount. type: Hook fastening
Colour: Black
Digital: Yes

FUEL GAUGES

160701 12V fuel gauge + sender 12V Std pkg 1

Fuel Gauge: HC-CARGO 160873.

Voltage: 12
Ohm: 10-104-180

OD: 52 mm

Mount. type: Hook fastening
Colour: Black
Sender: w/

160872 Fuel Gauge 24V Std pkg 1

Fuel Gauge: HC-CARGO 160873.

Voltage: 24
Ohm: 10-104-180

OD: 52 mm

Mount. type: Hook fastening
Colour: Black
Sender: w/

160873 Fuel Gauge Std pkg 1

Servicing: HC-CARGO 160701, 160872

Voltage: 12/24
Ohm: 10-104-180

160895* Dashboard Gauge, Fuel Std pkg 1

Part of HC-CARGO 160701.

Voltage: 12

OD: 52 mm

Type: Electrical operated
Mount. type: Hook fastening
Colour: Black
Sender: w/o
Alternativ no.: 160701

160896* Dashboard Gauge, Fuel Std pkg 1

Part of HC-CARGO 160872.

Voltage: 24

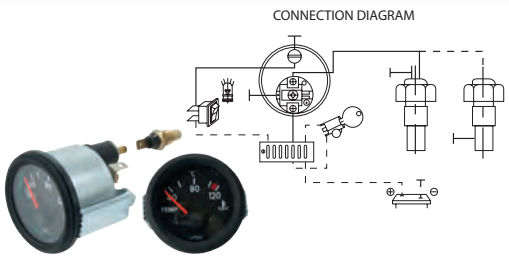
OD: 52 mm

Type: Electrical operated
Mount. type: Hook fastening
Colour: Black
Sender: w/o
Alternativ no.: 160872

WATER TEMP. GAUGES

160699 Water Temp. Gauge Std pkg 1

Transmitter 1/8" NPTF: HC-CARGO 160786.



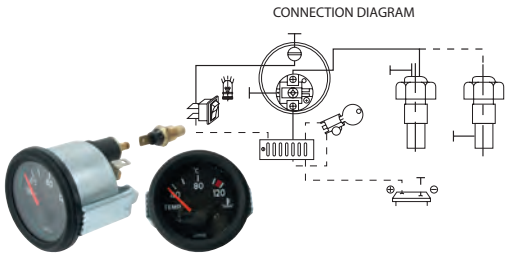
Voltage: 12

OD: 52 mm

Type: Electrical operated
Mount. type: Hook fastening
Colour: Black
Measurement range: 40°-**Sender:** w/

160778 Water Temp. Gauge Std pkg 1

Transmitter 1/8" NPTF: HC-CARGO 160786.



Voltage: 24

OD: 52 mm

Type: Electrical operated
Mount. type: Hook fastening
Colour: Black
Measurement range: 40°-**Sender:** w/

OIL PRESSURE GAUGES

160700 Electrical Oil Pressure Gauge Std pkg 1

Transmitter 1/8" NPTF: HC-CARGO 160787.

Voltage: 12

OD: 52 mm

Type: Electrical operated
Mount. type: Hook fastening
Colour: Black
Measuring range: 0-10
Sender: w/

160779 Oil Pressure Gauge Std pkg 1

Transmitter 1/8" NPTF: HC-CARGO 160787.

Voltage: 24

OD: 52 mm

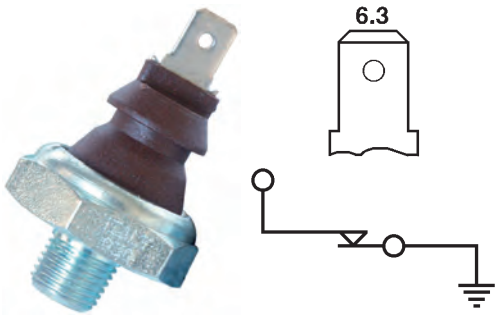
Type: Electrical operated
Mount. type: Hook fastening
Colour: Black
Measuring range: 0-10
Sender: w/

SWITCHES & SENSORS - ENGINE MANAGEMENT

SWITCHES

OIL PRESSURE SWITCHES

180626 Oil Pressure Switch Std pkg 1

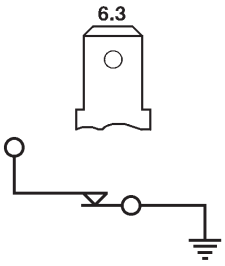


Thread size: M10-1 cone
Thread type: mm
Pressure: 0.3 bar

Alternativ no.: 180634

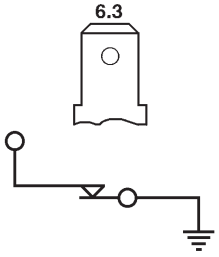
	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

180631 7.0001 Oil Pressure Switch Std pkg 1 **Servicing:** Fiat, Lancia, Seat - Visit our web catalogue for further information



Thread size: M12-1.5
Thread type: mm
Pressure: 0.3 bar

180634 7.0007 Oil Pressure Switch Std pkg 1 **Servicing:** Alfa Romeo, Audi, BMW, Rover - Visit our web catalogue for further information

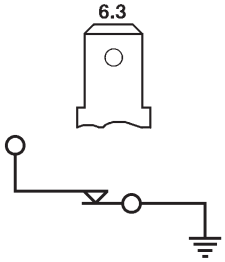


Thread size: M10-1 cone
Thread type: mm
Pressure: 0.3 bar

Alternativ no.: 180626

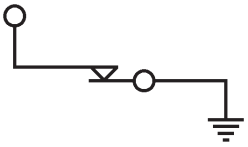
180635 7.0008 Oil Pressure Switch Std pkg 1 **Servicing:** Alfa Romeo, Audi, Lancia, Seat, Volvo, VW - Visit our web catalogue for further information

Replacing original brown switch.



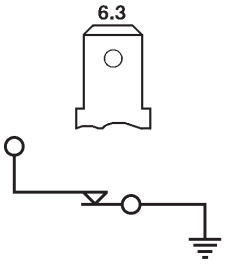
Thread size: M10-1
Thread type: mm
Pressure: 0.3 bar

180636 7.0011 Oil Pressure Switch Std pkg 1 **Servicing:** Ford, Mazda - Visit our web catalogue for further information



Thread size: 1/4-18 NPT cone
Pressure: 0.3 bar

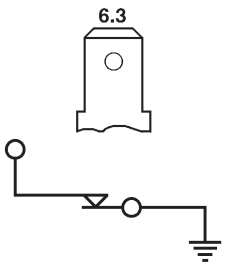
180641 7.0017 Oil Pressure Switch Std pkg 1 **Servicing:** Acura, Chevrolet, Daewoo, Daihatsu, Ford, Hyundai, Kia, Mazda, Mitsubishi, Suzuki, Toyota, VW - Visit our web catalogue for further information



Thread size: 1/8 GAS cone
Pressure: 0.4 bar

180648 7.0026 Oil Pressure Switch Std pkg 1 **Servicing:** BMW, Mercedes-Benz, Puch (Steyr-Daimler), Smart (MCC), VW - Visit our web catalogue for further information

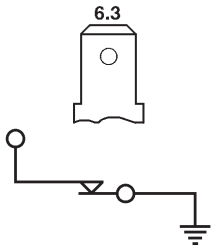
Replacing original brown switch.



Thread size: M12-1.5
Thread type: mm
Pressure: 0.35 bar

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

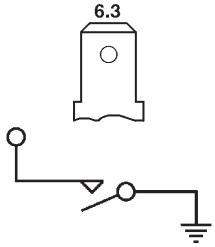
180649 7.0027 Oil Pressure Switch Std pkg 1 **Servicing:** Austin, Rover - Visit our web catalogue for further information



Thread size: 1/8-27 NPT cone
Pressure: 0.5 bar

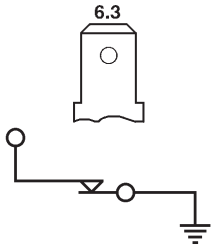
180658 7.0045 Oil Pressure Switch Std pkg 1 **Servicing:** Audi, Seat, VW - Visit our web catalogue for further information

Replacing original white switch.



Thread size: M10-1
Thread type: mm
Pressure: 1.8 bar

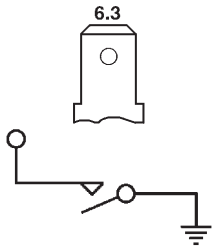
180660 7.0047 Oil Pressure Switch Std pkg 1 **Servicing:** Volvo - Visit our web catalogue for further information



Thread size: 1/8-27 NPT cone
Pressure: 0.5 bar

180688 7.0095 Oil Pressure Switch Std pkg 1 **Servicing:** Audi, Ford, Seat, Skoda, VW - Visit our web catalogue for further information

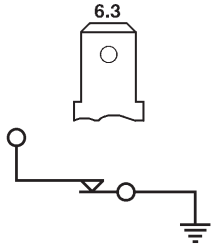
Replacing original brown and grey switch.



Thread size: M10-1
Thread type: mm
Pressure: 0.9 bar

180694 7.0108 Oil Pressure Switch Std pkg 1 **Servicing:** Audi, Ford, Mercedes-Benz, Renault, Seat, Skoda, Volvo, VW - Visit our web catalogue for further information

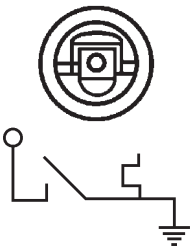
Replacing original light blue switch.



Thread size: M10-1
Thread type: mm
Pressure: 0.3 bar

TEMPERATURE SWITCHES

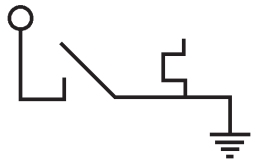
180945 7.4000 Temperature Switch Std pkg 1 **Servicing:** Fiat, Lancia, Seat - Visit our web catalogue for further information



Thread size: M16-1.5 cone
Thread type: mm
Working temp.: 115 °C

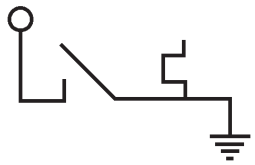
	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

180949 7.4007 Temperature Switch Std pkg 1 **Servicing:** Audi - Visit our web catalogue for further information



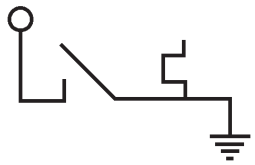
Thread size: M10-1
Thread type: mm
Working temp.: 120 °C

180950 7.4014 Temperature Switch Std pkg 1 **Servicing:** Citroen, Fiat, Ford, Peugeot - Visit our web catalogue for further information



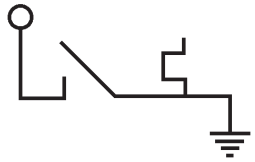
Thread size: M18-1.5
Thread type: mm
Working temp.: 105 °C

180953 7.4029 Temperature Switch Std pkg 1 **Servicing:** Citroen, Ford, Peugeot - Visit our web catalogue for further information



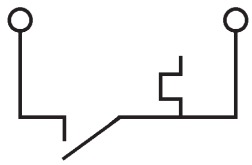
Thread size: M14-1.25
Thread type: mm
Working temp.: 105 °C

180954 7.4030 Temperature Switch Std pkg 1 **Servicing:** Citroen, Ford, Peugeot - Visit our web catalogue for further information



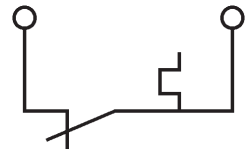
Thread size: M14-1.25
Thread type: mm
Working temp.: 110 °C

180985 7.4079 Temperature Switch Std pkg 1 **Servicing:** Alfa Romeo - Visit our web catalogue for further information



Thread size: M14-1.5
Thread type: mm
Working temp.: 45 °C

180986 7.4080 Temperature Switch Std pkg 1 **Servicing:** Seat, VW - Visit our web catalogue for further information

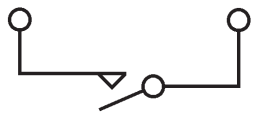


Thread size: M10-1
Thread type: mm
Working temp.: 120 °C

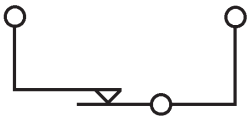
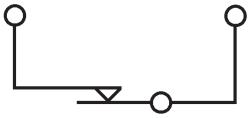
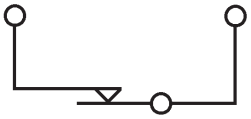
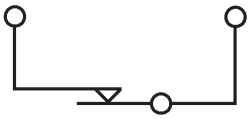
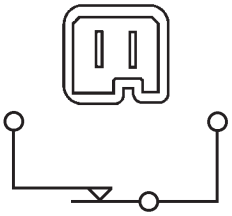
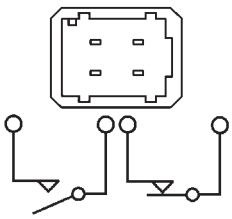
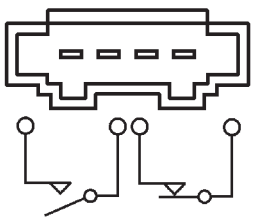
BRAKE LIGHT SWITCHES

MECHANICAL

180008 Brake Light Switch Std pkg 1



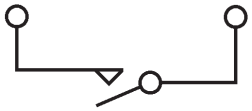
Type: Mechanical

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
180009 Brake Light Switch Std pkg 1			
			**Type:** Mechanical
180726 7.1000 Brake Light Switch Std pkg 1			**Servicing:** Alfa Romeo, Fiat, Iveco, Lada, Lancia, Polski-Fiat, Seat, Skoda, Zastava - Visit our web catalogue for further information
		**Thread size:** M12-1.5 **Thread type:** mm	**Type:** Mechanical
180731 7.1007 Brake Light Switch Std pkg 1			**Servicing:** Citroen, Peugeot, Talbot - Visit our web catalogue for further information
		**Thread size:** M10-1	**Type:** Mechanical
180734 7.1014 Brake Light Switch Std pkg 1			**Servicing:** BMW, Lada, Mercedes-Benz, Opel, Saab, Volvo - Visit our web catalogue for further information
		**Thread size:** M12-1 **Thread type:** mm	**Type:** Mechanical
180785 7.1091 Brake Light Switch Std pkg 1			**Servicing:** Citroen, Fiat, Lancia, Peugeot - Visit our web catalogue for further information
			**Type:** Mechanical
181367 7.1149 Brake Light Switch Std pkg 1			**Servicing:** Nissan, Renault - Visit our web catalogue for further information
Self-adjustable plunger.			
			**Type:** Mechanical
181369 7.1151 Brake Light Switch Std pkg 1			**Servicing:** Audi, Ford, Seat, Skoda, VW - Visit our web catalogue for further information
Self-adjustable plunger.			
			**Type:** Mechanical

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

HYDRAULIC

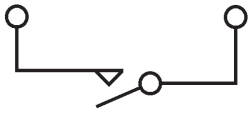
180790 7.1101 Brake Light Switch Std pkg 1 — **Servicing:** Austin, Fiat, Ford, Jaguar, MAN, MG - Visit our web catalogue for further information



Thread size: 1/8-27 NPT cone

Type: Hydraulic

180791 7.1102 Brake Light Switch Std pkg 1 — **Servicing:** Audi, Porsche, Skoda, VW - Visit our web catalogue for further information



Thread size: M10-1 cone
Thread type: mm

Type: Hydraulic

REVERSE LIGHT SWITCHES

181147 7.6007 Reverse Light Switch Std pkg 1 — **Servicing:** Ford, VW - Visit our web catalogue for further information

Thread type: M14-1.5

181148 7.6009 Reverse Light Switch Std pkg 1 — **Servicing:** Austin, Rover, Seat, VW - Visit our web catalogue for further information

Thread type: M12-1.5

181150 7.6011 Reverse Light Switch Std pkg 1 — **Servicing:** Opel - Visit our web catalogue for further information

Thread type: M12-1.5

181158 7.6021 Reverse Light Switch Std pkg 1 — **Servicing:** Skoda - Visit our web catalogue for further information

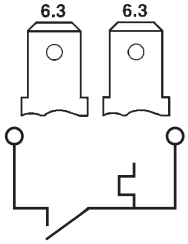
Thread type: M14-1

181182 7.6073 Reverse Light Switch Std pkg 1 — **Servicing:** Alfa Romeo, Chevrolet, Daewoo, Fiat, Lancia, Mercedes-Benz, MG, Mini, Opel, Rover, Saab, Suzuki - Visit our web catalogue for further information

Thread type: M12-1.5

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
181183 7.6075 Reverse Light Switch Std pkg 1			
		Thread type: M16-2	
181191 7.6096 Reverse Light Switch Std pkg 1		**Servicing:** DAF, Mercedes-Benz, Mitsubishi, Nissan, Opel, Renault, Volvo - Visit our web catalogue for further information	
		Thread type: M14-1.5	
181194 7.6099 Reverse Light Switch Std pkg 1		**Servicing:** Audi, Citroen, Fiat, Lancia, Land Rover, Mini, Nissan, Peugeot, Rover, Skoda, VW - Visit our web catalogue for further information	
		Thread type: M14-1.5	
181197 7.6102 Reverse Light Switch Std pkg 1		**Servicing:** Iveco - Visit our web catalogue for further information	
		Thread type: M27-1 **Thread type 2:** M18-1.5	
181201 7.6108 Reverse Light Switch Std pkg 1		**Servicing:** Citroen, Fiat, Peugeot - Visit our web catalogue for further information	
		Thread type: M14-1.5	
181456 7.6215 Reverse Light Switch Std pkg 1		**Servicing:** Audi, Ford, Seat, Skoda, VW - Visit our web catalogue for further information	
		Thread type: M12-1.5	

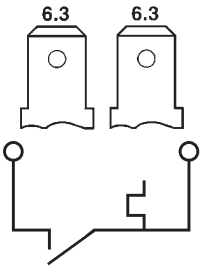
THERMO SENSOR SWITCHES

181001 7.5000 Thermo Sensor Switch Std pkg 1		**Servicing:** Alfa Romeo, Fiat, Lada, Saab, Seat, Talbot, Zastava - Visit our web catalogue for further information	
		**Thread size:** M22-1.5 **Thread type:** mm **Working temp.:** 92 °C **Working temp. 2:** 87 °C	

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

181005 7.5004 Thermo Sensor Switch Std pkg 1

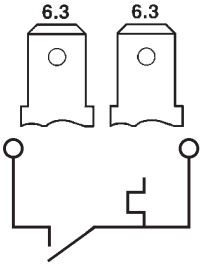
Servicing: Peugeot - Visit our web catalogue for further information



Thread size: M22-1.5
Thread type: mm
Working temp.: 82 °C
Working temp. 2:
67 °C

181008 7.5007 Thermo Sensor Switch Std pkg 1

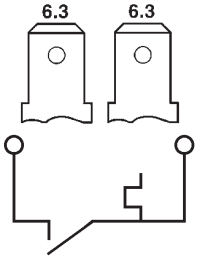
Servicing: Citroen, Ford, Peugeot, Renault, Talbot - Visit our web catalogue for further information



Thread size: M22-1.5
Thread type: mm
Working temp.: 87 °C
Working temp. 2:
77 °C

181009 7.5008 Thermo Sensor Switch Std pkg 1

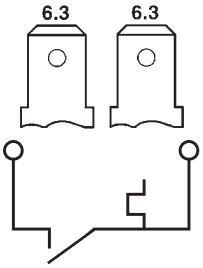
Servicing: Alfa Romeo, Peugeot, Renault - Visit our web catalogue for further information



Thread size: M22-1.5
Thread type: mm
Working temp.: 85 °C
Working temp. 2:
75 °C

181015 7.5018 Thermo Sensor Switch Std pkg 1

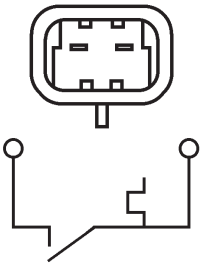
Servicing: Citroen - Visit our web catalogue for further information



Thread size: M22-1.5
Thread type: mm
Working temp.: 86 °C
Working temp. 2:
81 °C

181021 7.5031 Thermo Sensor Switch Std pkg 1

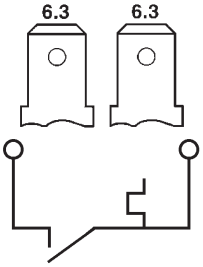
Servicing: Alfa Romeo, Fiat, Innocenti, Iveco, Lancia - Visit our web catalogue for further information



Thread size: M22-1.5
Thread type: mm
Working temp.: 92 °C
Working temp. 2:
87 °C

181034 7.5063 Thermo Sensor Switch Std pkg 1

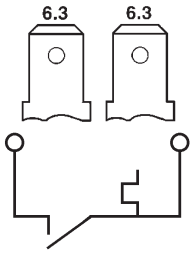
Servicing: BMW, Opel, Volvo - Visit our web catalogue for further information



Thread size: M14-1.5
Thread type: mm
Working temp.: 95 °C
Working temp. 2:
90 °C

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

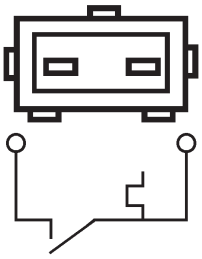
181073 7.5142 Thermo Sensor Switch Std pkg 1 **Servicing:** Volvo - Visit our web catalogue for further information



Thread size: M14-1.5
Thread type: mm
Working temp.: 72 °C
Working temp. 2: 67 °C

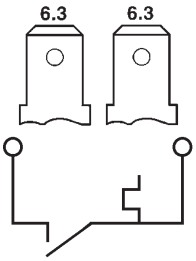
181076 7.5145 Thermo Sensor Switch Std pkg 1 **Servicing:** Citroen, Fiat, Lancia, Opel, Peugeot - Visit our web catalogue for further information

Replacing original switch w/ yellow ring.



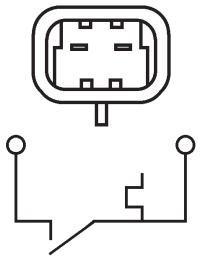
Thread size: M22-1.5
Thread type: mm
Working temp.: 97 °C
Working temp. 2: 92 °C

181077 7.5146 Thermo Sensor Switch Std pkg 1 **Servicing:** Volvo - Visit our web catalogue for further information



Thread size: M14-1.5
Thread type: mm
Working temp.: 87 °C
Working temp. 2: 82 °C

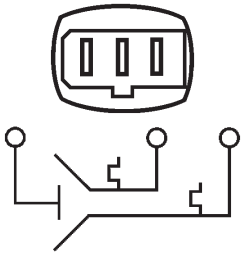
181089 7.5187 Thermo Sensor Switch Std pkg 1 **Servicing:** Citroen, Fiat, Iveco, Lancia, Peugeot - Visit our web catalogue for further information



Thread size: M22-1.5
Thread type: mm
Working temp.: 92 °C
Working temp. 2: 87 °C

DOUBLE FAN OR TWO SPEED MOTORS

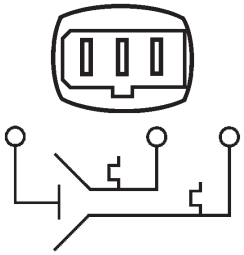
181121 7.5626 Thermo Sensor Switch Std pkg 1 **Servicing:** Audi, VW - Visit our web catalogue for further information



Thread size: M22-1.5
Thread type: mm
Working temp.: 87-77 °C
Working temp. 2: 92-82 °C

Double fan: Yes
2 speed: Yes

181126 7.5635 Thermo Sensor Switch Std pkg 1 **Servicing:** Audi, Opel, Seat, Skoda, VW - Visit our web catalogue for further information



Thread size: M22-1.5
Thread type: mm
Working temp.: 95-85 °C
Working temp. 2: 102-92 °C

Double fan: Yes
2 speed: Yes

Assortments

Edition 2021/2023

Ring Nipples & Hose Sleeves — 806015

		Qty.
080237	Ring nipples	5
080238	Ring nipples	5
080239	Ring nipples	5
080240	Ring nipples	5
080241	Ring nipples	5
080242	Ring nipples	5
080243	Ring nipples	5
080245	Double hose nipples	5
080246	Double hose nipples	5
080247	Double hose nipples	5
080259	Hose sleeves	10
080260	Hose sleeves	10
080261	Hose sleeves	10
080262	Hose sleeves	10

		Qty.
080263	Hose sleeves	10
080264	Hose sleeves	10
080265	Hose sleeves	10

Hollow Screws & Hose Nipples — 806020

		Qty.
080003	Hose nipples	3
080237	Hose nipples	3
080238	Hose nipples	3
080239	Hose nipples	3
080240	Hose nipples	3
080241	Hose nipples	3
080242	Hose nipples	3
080243	Hose nipples	3
080246	Double hose nipples	3
080247	Double hose nipples	3
080251	Hollow screws	5
080252	Hollow screws	5
080253	Hollow screws	5
080254	Hollow screws	5

		Qty.
080255	Hollow screws	10
080256	Hollow screws	10
080257	Double hollow screws	10
080258	Double hollow screws	10

Workshop Consumables

Edition 2021/2023

ISO 9001
BUREAU VERITAS
Certification

ISO 14001
BUREAU VERITAS
Certification

CRIMP TERMINALS

INSULATED

RED	BLUE	YELLOW
0.25-1.6 mm²	1-2.6 mm²	2.6-6.6 mm²

FEMALE SPADE

HC-CARGO	Std pkg	Type	ID	Colour
190049	Pkg. 100	2.8 mm	1.7 mm	Red
192795	Pkg. 100	2.8 mm	2.3 mm	Blue
190045	Pkg. 100	4.7 mm	1.7 mm	Red
192825	Pkg. 100	4.7 mm	2.3 mm	Blue
190024	Pkg. 50	6.3 mm	1.7 mm	Yellow
190022	Pkg. 100	6.3 mm	1.7 mm	Red
190020	Pkg. 100	6.3 mm	2.3 mm	Blue
190041	Pkg. 100	8 mm	2.3 mm	Blue
190048	Pkg. 50	9.5 mm	3.4 mm	Yellow

FULLY INSULATED

HC-CARGO	Std pkg	Type	ID	Colour
192226	Pkg. 100	4.7 mm	1.7 mm	Red
190985	Pkg. 100	6.3 mm	1.7 mm	Red
190046	Pkg. 100	6.3 mm	2.3 mm	Blue
192036	Pkg. 50	6.3 mm	3.4 mm	Yellow

FEMALE SPADE & PIGGY BACK SPADE

HC-CARGO	Std pkg	Type	ID	Colour
190025	Pkg. 100	6.3 mm	1.7 mm	Red
190026	Pkg. 100	6.3 mm	2.3 mm	Blue

SPADE

HC-CARGO	Std pkg	Width	ID	Colour
192449	Pkg. 100	2.8 mm	1.7 mm	Red
190019	Pkg. 100	6.3 mm	1.7 mm	Red
190016	Pkg. 100	6.3 mm	2.3 mm	Blue
191191	Pkg. 50	6.3 mm	3.4 mm	Yellow

FEMALE BULLET

HC-CARGO	Std pkg	Width	ID	Colour
190017	Pkg. 100	3.9 mm	1.7 mm	Red
190018	Pkg. 100	4.9 mm	2.3 mm	Blue
190050	Pkg. 50	4.9 mm	3.4 mm	Yellow

MALE BULLET

HC-CARGO	Std pkg	Width	ID	Colour
190021	Pkg. 100	4 mm	1.7 mm	Red
190023	Pkg. 100	5 mm	2.3 mm	Blue
190051	Pkg. 50	5 mm	3.4 mm	Yellow

BUTT CONNECTOR

HC-CARGO	Std pkg	Width	ID	Colour
190028	Pkg. 100	4.1 mm	1.7 mm	Red
190001	Pkg. 100	4.8 mm	2.3 mm	Blue
190030	Pkg. 50	6.7 mm	3.4 mm	Yellow

RING

HC-CARGO	Std pkg	Bolt size	ID	Colour
190038	Pkg. 100	3 mm	1.7 mm	Red
190257	Pkg. 100	3 mm	2.3 mm	Blue
190027	Pkg. 100	4 mm	1.7 mm	Red
190029	Pkg. 100	4 mm	2.3 mm	Blue
190031	Pkg. 100	5 mm	1.7 mm	Red
190032	Pkg. 100	5 mm	2.3 mm	Blue
190033	Pkg. 50	5 mm	3.5 mm	Yellow
190015	Pkg. 100	6 mm	1.7 mm	Red
190034	Pkg. 100	6 mm	2.3 mm	Blue
190035	Pkg. 50	6 mm	3.5 mm	Yellow
192352	Pkg. 100	8 mm	1.7 mm	Red
190039	Pkg. 100	8 mm	2.3 mm	Blue
190255	Pkg. 50	8 mm	3.5 mm	Yellow
192353	Pkg. 100	10 mm	1.7 mm	Red
192354	Pkg. 100	10 mm	2.3 mm	Blue
190042	Pkg. 50	10 mm	3.5 mm	Yellow
191515	Pkg. 50	12 mm	3.5 mm	Yellow

FORK

HC-CARGO	Std pkg	Width	ID	Colour
191501	Pkg. 100	4.2 mm	3.5 mm	Red
191067	Pkg. 100	6.4 mm	4.9 mm	Blue
190973	Pkg. 100	7.1 mm	3.7 mm	Red
190037	Pkg. 100	8.1 mm	2.3 mm	Blue
192950	Pkg. 100	8.3 mm	3.5 mm	Yellow
192142	Pkg. 50	12 mm	3.4 mm	Yellow

FORK W/ FLANGE

HC-CARGO	Std pkg	Width	ID	Colour
192371	Pkg. 100	5 mm	2.3 mm	Blue

PIN

HC-CARGO	Std pkg	Width	ID	Colour
190974	Pkg. 100	1.9 mm	1.7 mm	Red
190952	Pkg. 100	1.9 mm	2.3 mm	Blue
190953	Pkg. 50	2.8 mm	3.4 mm	Yellow

TERMINATORS HEAT-SHRINKABLE W/SOLDER

FEMALE SPADE, FULLY INSULATED

HC-CARGO	Std pkg	Width	Crimp temp.	Temp. area	Colour
193244	Pkg. 25	3.2 mm	150 C°	-10 - +105 °C	Red
193245	Pkg. 25	5 mm	150 C°	-10 - +105 °C	Red
191697	Pkg. 25	6.6 mm	150 C°	-10 - +105 °C	Red
191698	Pkg. 25	6.6 mm	150 C°	-10 - +105 °C	Blue

MALE

HC-CARGO	Std pkg	Width	Crimp temp.	Temp. area	Colour
191699	Pkg. 25	6.3 mm	150 C°	-10 - +105 °C	Red
191700	Pkg. 25	6.3 mm	150 C°	-10 - +105 °C	Blue

BUTT CONNECTOR

HC-CARGO	Std pkg	Width	Crimp temp.	Temp. area	Colour
192929*	Pkg. 100	5.4 mm	min. +85 C°	-55 - +125 °C	Red
192930*	Pkg. 100	6.7 mm	min. +85 C°	-55 - +125 °C	Blue
191010	Pkg. 100	6.9 mm	min. +85 C°	-55 - +125 °C	Blue
191009	Pkg. 100	6 mm	min. +85 C°	-55 - +125 °C	Red
192931*	Pkg. 100	7.9 mm	min. +85 C°	-55 - +125 °C	Yellow
191011	Pkg. 100	8.6 mm	min. +85 C°	-55 - +125 °C	Yellow

RING

HC-CARGO	Std pkg	Width	Crimp temp.	Temp. area	Colour
191682	Pkg. 25	8 mm	150 C°	-10 - +105 °C	Red
191685	Pkg. 25	8.5 mm	150 C°	-10 - +105 °C	Blue
191683	Pkg. 25	9.5 mm	150 C°	-10 - +105 °C	Red
191686	Pkg. 25	9.5 mm	150 C°	-10 - +105 °C	Blue
191689	Pkg. 25	9.5 mm	150 C°	-10 - +105 °C	Yellow
191684	Pkg. 25	11.5 mm	150 C°	-10 - +105 °C	Red
191687	Pkg. 25	12 mm	150 C°	-10 - +105 °C	Blue
191688	Pkg. 25	12 mm	150 C°	-10 - +105 °C	Blue
191690	Pkg. 25	12 mm	150 C°	-10 - +105 °C	Yellow
191691	Pkg. 25	15 mm	150 C°	-10 - +105 °C	Yellow
191692	Pkg. 25	15 mm	150 C°	-10 - +105 °C	Yellow

FORK

HC-CARGO	Std pkg	Width	Crimp temp.	Temp. area	Colour
191693	Pkg. 25	8.2 mm	150 C°	-10 - +105 °C	Red
191694	Pkg. 25	8.2 mm	150 C°	-10 - +105 °C	Blue
191696	Pkg. 25	9.2 mm	150 C°	-10 - +105 °C	Yellow
191695	Pkg. 25	9.5 mm	150 C°	-10 - +105 °C	Blue

FEMALE BULLET

HC-CARGO	Std pkg	Width	Crimp temp.	Temp. area	Colour
193248	Pkg. 25	4 mm	min. +85 C°	-55 - +125 °C	Red
193247	Pkg. 25	5 mm	min. +85 C°	-55 - +125 °C	Blue

HEAT-SHRINCABLE W/GLUE

SOLDER SLEEVE

HC-CARGO	Std pkg	Width	Crimp temp.	Temp. area	Colour
191701	Pkg. 25	2.7 mm	min. +85 C°	-55 - +125 °C	Red
191702	Pkg. 25	4.5 mm	min. +85 C°	-55 - +125 °C	Blue
191703	Pkg. 25	6 mm	min. +85 C°	-55 - +125 °C	Yellow
193237	Pkg. 25	1.7 mm	min. +85 C°	-55 - +125 °C	Transparent
193242	Pkg. 25	2.7/4.5 mm	min. +85 C°	-55 - +125 °C	Red/Blue
193243	Pkg. 25	4.5/6 mm	min. +85 C°	-55 - +125 °C	Yellow/blue

MULTIWIRE SPLICE

HC-CARGO	Std pkg	Width	Crimp temp.	Temp. area	Colour
191705	Pkg. 5	3.9 mm	min. +85 C°	-55 - +125 °C	Red
191711	Pkg. 5	9.4 mm	min. +85 C°	-55 - +125 °C	Yellow

NON INSULATED

MALE FLAT SPADE

	HC-CARGO	Std pkg	Width	Cable size	Non return tag	Type
	192089	Pkg. 100	1.5 mm	1-1.5 mm²	w/o	Male, Super Seal Connector
	192410	Pkg. 100	1.8 mm	0.5-1.25 mm²	w/o	Male, Type 070 M280
	192528	Pkg. 100	2.3 mm	0.5-1.25 mm²	w/	Male, MT- serie 090
	192645	Pkg. 100	2.3 mm	0.5-1.25 mm²	w/	Male, TS sealed-serie,
	192217	Pkg. 50	2.7 mm	0.5-1 mm²	w/	Male, Micro Timer II,
	191681	Pkg. 50	2.8 mm	0.5-1 mm²	w/	*Universal. For car radio.* Male, M280 **DIN norm:** 46343
	192174	Pkg. 100	2.8 mm	0.35-1 mm²	w/	Male, Junior Timer
	192240	Pkg. 100	2.8 mm	0.5-1.5 mm²	w/o	Male, Mark II
	192373	Pkg. 50	2.8 mm	1-2.5 mm²	w/o	*Single Wire Seal: HC-CARGO 192375.* Male, Metripack M280
	191807	Pkg. 100	3 mm	1-3 mm²	w/	Male, MIC I

	HC-CARGO	Std pkg	Width	Cable size	Non return tag	Type
	191129	Pkg. 100	4.7 mm	0.5-1.5 mm²	w/	Male, Flat For insulator For multiplug
	192156	Pkg. 100	5 mm	0.5-1 mm²	w/	Male Junior Power Timer,
	192157	Pkg. 100	5 mm	1.5-2.5 mm²	w/	Male, Junior Power Timer
	191549	Pkg. 100	6.3 mm	0.5-1 mm	w/	Male, Flat For insulator For multiplug
	192380	Pkg. 50	6.3 mm	0.5-2 mm²	w/	Male, Flat Tin plated Japanese type For insulator For multiplug
	190270	Pkg. 100	6.3 mm	1-2.5 mm²	w/	Male, Flat For insulator For multiplug
	191415	Pkg. 100	6.3 mm	1-2.5 mm²	w/o	Male, Flat For insulator
	191028	Pkg. 100	6.3 mm	4-6 mm²	w/	Male, Flat Tin plated For insulator For multiplug

FEMALE SPADE

	HC-CARGO	Std pkg	Width	Cable size	Non return tag	Type
	192786	Pkg. 100	1 mm	0.3-0.5 mm²	w/o	Female, Type 040, Tin plated
	192090	Pkg. 100	1.5 mm	1-1.5 mm²	w/o	Female, Super Seal Connector
	192529	Pkg. 100	2.3 mm	0.5-1.25 mm²	w/	Female, MT- serie 090
	192646	Pkg. 100	2.3 mm	0.5-1.25 mm²	w/	Female, TS sealed-serie, 090 terminal
	191083	Pkg. 100	2.8 mm	0.5-1 mm²	w/	Female, Flat, For multiplug
	192411	Pkg. 100	2.8 mm	0.5-1.25 mm²	w/o	Female, Type 070 F280
	192239	Pkg. 100	2.8 mm	0.5-1.5 mm²	w/o	*For tail lamps.* Female, Mark II
	192374	Pkg. 50	2.8 mm	1-2.5 mm²	w/o	*Single Wire Seal: HC-CARGO 192375.* Female, Metripack F280

	HC-CARGO	Std pkg	Width	Cable size	Non return tag	Type
	191806	Pkg. 100	3 mm	1-3 mm²	w/	Female, MIC I
	194414	Pkg. 100	3.1 mm	0.5-1 mm²	w/	Female, Flat
	192140	Pkg. 50	3.3 mm	0.5-1 mm²	w/	Female, Micro Timer II
	191551	Pkg. 100	4 mm	0.5-1.5 mm²	w/	Female, Junior Timer
	192175	Pkg. 100	4.3 mm	0.5-1 mm²	w/	Female, Junior Power Timer
	192155	Pkg. 100	4.5 mm	1.5-2.5 mm²	w/	Female, Junior Timer
	191089	Pkg. 100	4.8 mm	0.5-1 mm²	w/	Female, Flat Tin plated For multiplug
	192443	Pkg. 100	4.8 mm	0.5-1 mm²	w/o	Female, Flat For insulator
	192573	Pkg. 100	4.8 mm	0.5-1 mm²	w/o	Female, Flat For insulator
	192998	Pkg. 100	5.3 mm	1.5-2.5 mm²	w/	Female, Straight, Single, Crimp For multiplug
	192986	Pkg. 50	5.5 mm	0.5-1.25 mm²	w/	Female, Flat, Straight, Single, Crimp
	192176	Pkg. 100	6 mm	1-2.5 mm²	w/	Female Junior Power Timer
	190868	Pkg. 100	6.3 mm	0.5-1 mm²	w/	Female, Flat For multiplug
	192377	Pkg. 100	6.3 mm	0.5-1 mm²	w/	Female, Flat For multiplug
	193238	Pkg. 100	6.3 mm	0.5-1 mm²	w/	Female, Flat For multiplug
	192574	Pkg. 100	6.3 mm	0.5-1 mm²	w/o	Female, Flat For insulator
	191246	Pkg. 50	6.3 mm	0.5-1.5 mm²	w/o	Female, Positive lock, Straight

	HC-CARGO	Std pkg	Width	Cable size	Non return tag	Type
	192381	Pkg. 50	6.3 mm	0.5-2 mm²	w/o	Female, Flat Tin plated Japanese type For insulator For multiplug
	190252	Pkg. 100	6.3 mm	1-2.5 mm²	w/	Female, Flat, Straight, Single For multiplug
	191008	Pkg. 100	6.3 mm	1-2.5 mm²	w/o	Female, Flat For insulator
	192376	Pkg. 100	6.3 mm	1-2.5 mm²	w/	Female, Flat For multiplug
	191248	Pkg. 50	6.3 mm	1-2.5 mm²	w/o	Female, Positive lock, Angled,
	190725	Pkg. 100	6.3 mm	<2.5 mm²	w/o	Female, Flat Angled
	191029	Pkg. 100	6.3 mm	2.5-6 mm²	w/	*Preformed.* Female, Flat For multiplug
	191064	Pkg. 100	6.3 mm	2.5-6 mm²	w/o	Female, Flat For insulator
	192772	Pkg. 100	6.3 mm		w/o	PC board
	191247	Pkg. 50	7.3 mm	2.5-4 mm²	w/o	Female Positive lock, Straight
	191200	Pkg. 100	8 mm	1-2.5 mm²	w/	Female Flat, For multiplug
	191260	Pkg. 20	8 mm	1-2.5 mm²	w/o	Female Positive lock Power connectors
	191261	Pkg. 20	8 mm	4-6 mm²	w/o	Female Positive lock Power connectors
	191262	Pkg. 20	8 mm	6-10 mm²	w/o	Female Positive lock Power connectors
	191938	Pkg. 100	9.1 mm	1-2.5 mm²	w/	Female, Flat, Angled, Crimp
	191025	Pkg. 100	9.5 mm	2-4 mm²	w/	Female, Flat Tin plated For multiplug
	191069	Pkg. 100	9.5 mm	2-4 mm²	w/o	Female, Flat For insulator
	190726	Pkg. 50	9.5 mm	3-6 mm²	w/o	Female, Flat, Angled, Crimp

ADAPTERS

	HC-CARGO	Std pkg	Width	Cable size	Non return tag	Type
	191082	Pkg. 1		0.5-2.5 mm²	w/o	*Contains: 1x HC-CARGO 191078.* *1x HC-CARGO 191079.* *1x HC-CARGO 191080.* *1x HC-CARGO 191081.* Tin plated
	192383	Pkg. 100	7.6 mm	6.3x0.8 mm	w/o	Adaptor, Spade w/piggyback
	192575	Pkg. 50	9.6 mm	6.3x0.8 mm	w/o	Adaptor, Triple Tin plated
	190256	Pkg. 100	11.4 mm	6.3x0.8 mm	w/o	Adaptor, Spade w/piggyback

LEAF SPRING TERMINALS

	HC-CARGO	Std pkg	Width	Cable size	Non return tag	Type
	192237	Pkg. 25	6.5 mm	1.5-2.5 mm²	w/	Female, Blade fuse

TIMER TERMINALS

	HC-CARGO	Std pkg	Cable size	Non return tag	Type
	191556	Pkg. 100	1-2.5 mm²	w/	Female, Standard timer

FEMALE BULLET

	HC-CARGO	Std pkg	Width	Cable size	Non return tag	Type
	191075	Pkg. 100	2 mm	0.5-1 mm²	w/	Female, Round
	191916	Pkg. 100	3.2 mm	0.3-0.9 mm²	w/	*Mini.* Female, Round
	191079	Pkg. 50	3.96 mm	0.5-2 mm²	w/o	Female, Round Tin plated
	193250	Pkg. 100	4.1 mm	0.5-2.5 mm²	w/	Female, Round
	191092	Pkg. 100	4.2 mm	0.5-2.1 mm²	w/	Female, Round
	191544	Pkg. 100	4.2 mm	1-2.5 mm²	w/	Female, Round
	191564	Pkg. 100	5.8 mm	0.5-2 mm²	w/	Female, Round

MALE BULLET

	HC-CARGO	Std pkg	Width	Cable size	Non return tag	Type
	191915	Pkg. 100	3.6 mm	0.3-0.9 mm²	w/	Male, Round
	191078	Pkg. 50	3.96 mm	0.5-2.5 mm²	w/o	Male, Round
	191074	Pkg. 100	4 mm	1-2.5 mm²	w/	Male, Round
	191985	Pkg. 50	4 mm	0.7-1.5 mm²	w/	Male, Round
	191091	Pkg. 100	4.2 mm	0.5-2.1 mm²	w/	Male, Round
	191563	Pkg. 100	6.1 mm	0.5-2 mm²	w/	Male, Round

MALE & FEMALE DEUTCH

	HC-CARGO	Std pkg	Cable size	Non return tag	Type
	192619	Pkg. 50	0.2-0.5 mm²	w/o	*DEUTSCH 0460-202-20141.* Male, Round
	192620	Pkg. 50	0.2-0.5 mm²	w/o	*DEUTSCH 0462-201-20141.* Female, Round
	192505	Pkg. 50	0.75-1.25 mm²	w/o	*DEUTSCH 0460-202-16141.* Male, Round
	192506	Pkg. 50	0.75-1.25 mm²	w/o	*DEUTSCH 0462-201-16141.* Female, Round
	192477	Pkg. 50	1.25-2 mm²	w/o	*DEUTSCH 0460-215-16141.* Male, Round
	192478	Pkg. 50	1.25-2 mm²	w/o	*DEUTSCH 0462-209-16141.* Female, Round
	192621	Pkg. 50	2-3 mm²	w/o	*DEUTSCH 0460-204-11817.* Male, Round
	192622	Pkg. 50	2-3 mm²	w/o	*DEUTSCH 0462-203-12141.* Female, Round
	193233	Pkg. 1	5-8 mm²	w/o	*DEUTSCH 0460-204-08141.* Male, Round
	193235	Pkg. 1	5-8 mm²	w/o	*DEUTSCH 0462-203-08141.* Female, Round

	HC-CARGO	Std pkg	Cable size	Non return tag	Type
	193234	Pkg. 1	13 mm²	w/o	*DEUTSCH 0460-204-0490.* Male, Round
	193236	Pkg. 1	13 mm²	w/o	*DEUTSCH 0462-203-04141.* Female, Round

WATERPROOF CONNECTOR TERMINALS

	HC-CARGO	Std pkg	Cable size	Non return tag	Type
	191168	Pkg. 10	1-2.5 mm²	w/o	Female, ABS/EBS
	192180	Pkg. 10	1.5-2.5 mm²	w/o	Female, ABS/EBS For multiplug
	191171	Pkg. 10	1.5-2.5 mm²	w/	Male, ABS/EBS
	191196	Pkg. 10	1.5 mm²	w/	Male, ABS/EBS
	191197	Pkg. 10	4 mm²	w/	Male, ABS/EBS
	192181	Pkg. 10	4 mm²	w/o	Female, ABS/EBS For multiplug
	191169	Pkg. 10	4-6 mm²	w/o	Female, ABS/EBS
	191172	Pkg. 10	4-6 mm²	w/	Male, ABS/EBS

PINS

	HC-CARGO	Std pkg	Width	Cable size	Non return tag	Type
	191801	Pkg. 100	1.9 mm	1-2.5 mm²	w/o	Pin
	191855	Pkg. 100	5.4 mm	2.6-4 mm²	w/o	Pin
	192552	Pkg. 100	5.6 mm	2.5-4 mm²	w/o	Pin
	193120	Pkg. 100	5.7 mm	4-6 mm²	w/o	Pin, Round

SPRING TERMINALS

	HC-CARGO	Std pkg	Width	Cable size	Non return tag	Type
	191412	Pkg. 100	5.3 mm	1-2.5 mm²	w/	*Fuse Holder: HC-CARGO 192759.*Female Blade fuse holder, Spring
	191870	Pkg. 100	5.3 mm	1-1.5 mm²	w/	*Heavy duty. Fuse Holder: HC-CARGO 192759.*Female Blade fuse holder, Spring
	191871	Pkg. 100	5.3 mm	2.5-4 mm²	w/	*Heavy duty. Fuse Holder: HC-CARGO 192759.*Female Blade fuse holder, Spring
	191411	Pkg. 100	6.3 mm		w/	*To be connected w/ 6.3 mm flat tongue terminal. Fuse Holder: HC-CARGO 192759.*Female Blade fuse holder, Spring
	191413	Pkg. 100	6.5 mm	2.5-6 mm²	w/	*Fuse Holder: HC-CARGO 192759.*Female Blade fuse holder, Spring
	191872	Pkg. 50	7.5 mm	4-6 mm²	w/	*Heavy duty. Fuse Holder: HC-CARGO 192759.*Female Blade fuse holder, Spring

FOR POWR-BLOKS

	HC-CARGO	Std pkg	Width	Cable size	Non return tag	Type
	191734	Pkg. 50	8.2 mm	1-2.5 mm²	w/o	Female, Powr-bloks
	192758	Pkg. 50	8.2 mm	3.5-5 mm²	w/o	*Heavy duty.* Female, Spring, Powr-bloks
	191733	Pkg. 50	8.4 mm	1-2.5 mm²	w/o	Female, Spring, Powr-bloks

CRIMP TERMINALS

	HC-CARGO	Std pkg	Width	Cable size	Non return tag	Type
	191739	Pkg. 50	2.8 mm	1-2.5 mm²	w/o	Female, Powr-bloks
	191740	Pkg. 50	2.8 mm	2.5-4 mm²	w/o	Female, Powr-bloks
	191737	Pkg. 50	4.7 mm	0.8-1.3 mm²	w/o	Female, Powr-bloks
	191738	Pkg. 50	4.7 mm	2.1-3.3 mm²	w/o	Female, Powr-bloks
	191764	Pkg. 50	6.3 mm	0.5-0.8 mm²	w/	Female, Flat, Powr-bloks
	191765	Pkg. 50	6.3 mm	1.3-2.1 mm²	w/	Female, Flat, Powr-bloks

	HC-CARGO	Std pkg	Width	Cable size	Non return tag	Type
	191766	Pkg. 50	6.3 mm	3.3-5.4 mm²	w/	Female, Flat, Powr-bloks
	191735	Pkg. 10	9.7 mm	2.1-3.3 mm²	w/o	Female, Powr-bloks

RING TERMINALS

	HC-CARGO	Std pkg	Width	Cable size	ID	Non return tag	Type
	192003	Pkg. 100	5.3 mm	0.8-2 mm²	5.3 mm	w/o	Ring
	191030	Pkg. 100	5.6 mm	0.8-2 mm²	4.3 mm	w/o	Ring
	192004	Pkg. 100	6.4 mm	0.8-2.5 mm²	6.4 mm	w/o	Ring
	192005	Pkg. 100	7.3 mm	2-4 mm²	8.4 mm	w/o	Ring

FLAG RING TERMINALS

	HC-CARGO	Std pkg	Width	Cable size	ID	Non return tag	Type
	191050	Pkg. 100	10 mm	0.3-1.7 mm²	4.3 mm	w/o	Ring, w/ mountinghole, Angled
	191051	Pkg. 100	10 mm	0.3-1.7 mm²	5.3 mm	w/o	Ring, w/ mountinghole, Angled
	191856	Pkg. 10	16 mm	10.5-16.8 mm²	8.3 mm	w/o	Ring, Angled

CABLE JOINTS RING

	HC-CARGO	Std pkg	Bolt size	Cable size	Material	Type
DIN norm: 46234						
	192975	Pkg. 100	M3	0.5-1.5 mm²	Tin plated copper	Ring
	191060	Pkg. 100	M4	0.25-1 mm²	Tin plated copper	Ring
	192134	Pkg. 50	M5	4-6 mm²	Tin plated copper	Ring
	192135	Pkg. 50	M5	10 mm²	Tin plated copper	Ring
	190846	Pkg. 50	M6	4-6 mm²	Tin plated copper	Ring
	190716	Pkg. 10	M6	10 mm²	Tin plated copper	Ring
	190717	Pkg. 10	M6	16 mm²	Tin plated copper	Ring
	190718	Pkg. 10	M8	16 mm²	Tin plated copper	Ring
	191049	Pkg. 10	M8	10 mm²	Tin plated copper	Ring
	190719	Pkg. 10	M8	25 mm²	Tin plated copper	Ring
	191416	Pkg. 10	M8	35 mm²	Tin plated copper	Ring
	190722	Pkg. 10	M8	50 mm²	Tin plated copper	Ring
	192557	Pkg. 10	M10	16 mm²	Tin plated copper	Ring
	190720	Pkg. 10	M10	25 mm²	Tin plated copper	Ring
	190721	Pkg. 10	M10	35 mm²	Tin plated copper	Ring
	190723	Pkg. 10	M10	50 mm²	Tin plated copper	Ring
	191884	Pkg. 10	M12	10 mm²	Tin plated copper	Ring

CABLE LUGS RING

HC-CARGO	Std pkg	Bolt size	Cable size	ID	Material	Type
192905	Pkg. 10	M6	6 mm²	6.5 mm	Tin plated copper	Straight, Solder
192911	Pkg. 10	M6	16 mm²	6.5 mm	Tin plated copper	Straight, Solder
192908	Pkg. 10	M6	10 mm²	6.5 mm	Tin plated copper	Straight, Single, Solder
192915	Pkg. 10	M6	25 mm²	6.5 mm	Tin plated copper	Straight, Solder
192919	Pkg. 10	M6	35 mm²	6.5 mm	Tin plated copper	Straight, Solder
192906	Pkg. 10	M8	6 mm²	8.3 mm	Tin plated copper	Straight, Solder
192909	Pkg. 10	M8	10 mm²	8.3 mm	Tin plated copper	Straight, Solder
192912	Pkg. 10	M8	16 mm²	8.3 mm	Tin plated copper	Straight, Solder
192916	Pkg. 10	M8	25 mm²	8.3 mm	Tin plated copper	Straight, Solder
192920	Pkg. 10	M8	35 mm²	8.3 mm	Tin plated copper	Straight, Solder
192923	Pkg. 10	M8	50 mm²	5.3 mm	Tin plated copper	Straight, Solder
192926	Pkg. 10	M8	70 mm²	8.3 mm	Tin plated copper	Straight, Solder
193264	Pkg. 10	M8	95 mm²	8.3 mm	Tin plated copper	Ring, Straight, Crimp
192907	Pkg. 10	M10	6 mm²	10.3 mm	Tin plated copper	Straight, Solder
192910	Pkg. 10	M10	10 mm²	10.3 mm	Tin plated copper	Straight, Solder
192913	Pkg. 10	M10	16 mm²	10.3 mm	Tin plated copper	Straight, Solder
192917	Pkg. 10	M10	25 mm²	10.3 mm	Tin plated copper	Straight, Solder
192921	Pkg. 10	M10	35 mm²	10.3 mm	Tin plated copper	Straight, Solder
192924	Pkg. 10	M10	50 mm²	10.3 mm	Tin plated copper	Straight, Solder
192927	Pkg. 10	M10	70 mm²	10.3 mm	Tin plated copper	Straight, Solder
192932	Pkg. 10	M10	95 mm²	10.3 mm	Tin plated copper	Ring, Straight, Crimp
192914	Pkg. 10	M12	16 mm²	12.7 mm	Tin plated copper	Straight, Solder
192918	Pkg. 10	M12	25 mm²	12.7 mm	Tin plated copper	Straight, Solder
192922	Pkg. 10	M12	35 mm²	12.7 mm	Tin plated copper	Straight, Solder
192925	Pkg. 10	M12	50 mm²	12.7 mm	Tin plated copper	Straight, Solder
192928	Pkg. 10	M12	70 mm²	12.7 mm	Tin plated copper	Straight, Solder
192933	Pkg. 10	M12	95 mm²	12.7 mm	Tin plated copper	Straight, Single, Solder

BUTT SPLICES

HC-CARGO	Std pkg	Cable size	ID	OD	Material
192007	Pkg. 100	0.5-1.5 mm²	1.9 mm	3.3 mm	Tin plated copper
192008	Pkg. 100	1.5-2.5 mm²	2.3 mm	4 mm	Tin plated copper
191885	Pkg. 10	4-6 mm²	3.6 mm	5.5 mm	Tin plated copper
191886	Pkg. 10	8 mm²	5.1 mm	7.1 mm	Tin plated copper
191887	Pkg. 10	14 mm²	6.4 mm	9 mm	Tin plated copper
191888	Pkg. 10	22 mm²	8.2 mm	11.4 mm	Tin plated copper
191889	Pkg. 10	38 mm²	10.1 mm	13.3 mm	Tin plated copper
191890	Pkg. 10	60 mm²	12 mm	15.4 mm	Tin plated copper
191891	Pkg. 10	70 mm²	14 mm	17.4 mm	Tin plated copper

CORD END TERMINALS

DIN norm: 46228/1

HC-CARGO	Std pkg	Width	Cable size	OD	Type
191963	Pkg. 100	0.75 mm²	1.2 mm	2.3 mm	Tin plated copper
191964	Pkg. 100	1 mm²	1.4 mm	2.5 mm	Tin plated copper
191965	Pkg. 100	1.5 mm²	1.7 mm	2.8 mm	Tin plated copper
191962	Pkg. 100	0.5 mm²	1 mm	2.1 mm	Tin plated copper
191966	Pkg. 100	2.5 mm²	2.2 mm	3.4 mm	Tin plated copper
191967	Pkg. 100	4 mm²	2.8 mm	4 mm	Tin plated copper
191968	Pkg. 100	6 mm²	3.5 mm	4.7 mm	Tin plated copper
191969	Pkg. 100	10 mm²	4.5 mm	5.8 mm	Tin plated copper
192047	Pkg. 100	16 mm²	5.8 mm	7.5 mm	Tin plated copper

IGNITION COIL TERMINALS

HC-CARGO	Std pkg	OD	Type
192222	Pkg. 10	7 mm	*w/ clip.*
192224	Pkg. 100	7 mm	Angled 90º
192225	Pkg. 50	7 mm	*Universal.*
190052	Pkg. 100	8.5 mm	

FOR POWER CONNECTORS

	HC-CARGO	Std pkg	Width	Cable size	Non return tag	Type
	191263	Pkg. 100	8 mm	2.5x4 mm²	w/	Male, Flat, Power connectors
	191983	Pkg. 20	8 mm	4x10 mm²	w/	Male, Flat, Power connectors
	191264	Pkg. 20	8 mm	10x16 mm²	w/	Male, Flat, Power connectors

SCREW TYPE

	HC-CARGO	Std pkg	Width	Cable size	Angled	Non return tag	Type
	191044	Pkg. 100	6.3x8 mm	5.2 mm	180º	w/o	Male, Flat w/ mountinghole, Screw, Power connectors
	192576	Pkg. 100	6.3 mm	4.2 mm	45º	w/o	Male, Flat, Dual
	191016	Pkg. 100	6.3 mm	4.2 mm	45º	w/o	Male, Flat, Screw
	190283	Pkg. 100	6.3 mm	5.2 mm	45º	w/o	Male, Flat, Screw
	191047	Pkg. 100	6.3 mm	5.2 mm	90º	w/o	Male, Flat w/ mountinghole, Screw
	191791	Pkg. 100	6.3 mm	6.3 mm	45º	w/o	Male, Flat, Screw
	192242	Pkg. 100	6.3 mm	8.4 mm	45º	w/o	Male, Flat, Screw
	191048	Pkg. 100	9.5 mm	5.3 mm	180º	w/o	Male, Flat w/ mountinghole, Screw

TOOLS

CRIMPING

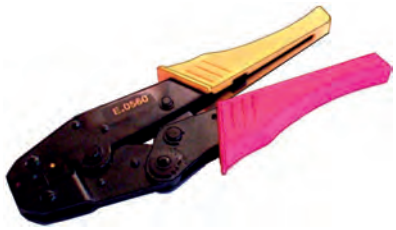
FOR INSULATED TERMINALS

210121 Crimping Tools — Std pkg 1 — **Servicing:** Insulated crimp terminals - Visit our web catalogue for further information

w/ cable cutter.

Dim.: 0.25-6 mm²

210638 Crimping Tools — Std pkg 1 — **Servicing:** Insulated crimp terminals - Visit our web catalogue for further information



Dim.: 0.5-6 mm²

FOR NON-INSULATED TERMINALS

210639 Crimping Tools — Std pkg 1 — **Servicing:** Uninsulated Crimp Terminals - Visit our web catalogue for further information

Dim.: 0.5-6 mm²

210696 Crimping Tools — Std pkg 1 — **Servicing:** Uninsulated Crimp Terminals - Visit our web catalogue for further information

Dim.: 1.5-10 mm² **Terminal type:** ABS

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

210760 Crimping Tools — Std pkg 1

Servicing: Suitable for shrink copper tube terminals - Visit our web catalogue for further information

Dim.: 10-95 mm²
Length: 580 mm

210937 Crimping Tools — Std pkg 1

w/ cable cutter.

Dim.: 1.5-6 mm²

210938 Crimping Tools — Std pkg 1

Servicing: For cord end terminals - Visit our web catalogue for further information

Dim.: 0.5-6 mm²

210939 Crimping Tools — Std pkg 1

Servicing: For cord end terminals - Visit our web catalogue for further information

Dim.: 6-16 mm²

210973 Crimping Tools — Std pkg 1

Servicing: Universal crimp tool for solid terminals, DEUTSCH etc - Visit our web catalogue for further information

Dim.: 0.5-2 mm²

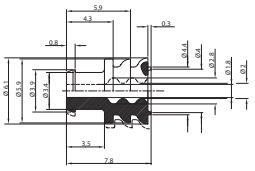
SINGLE WIRE SEAL

NON INSULATED

192091 Superseal Wire Seal — Std pkg 100

Servicing: HC-CARGO 192077, 192078, 192079, 192080, 192081, 192082, 192083, 192084, 192085, 192086, 192087, 192088, 193266, 193267

For Super Seal housing.



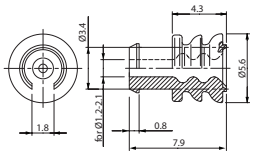
Cable dia.: 1.5-2.5 mm
ID: 1.8/2 mm
OD: 6.1 mm
Length: 7.8 mm

Colour: Red
Material: Silicone rubber

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

192177 Wire Seal — Std pkg 100 — **Servicing:** HC-CARGO 192146, 192147, 192148, 192149, 192166, 192167, 193171, 192172, 192173, 192502, 192884, 192902, 193119, 193241

For Junior-Power-Timer.

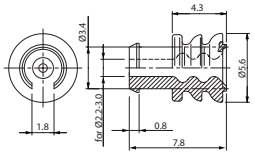


Cable dia.: 1.2-2.1 mm
ID: 1.8 mm
OD: 5.6 mm
Length: 7.9 mm
Height: 5.2 mm

Colour: Light blue
Material: Silicone rubber

192178 Wire Seal — Std pkg 100 — **Servicing:** HC-CARGO 192146, 192147, 192148, 192149, 192166, 192167, 193171, 192172, 192173, 192502, 192884, 192902, 193119, 193241

For Junior-Power-Timer.

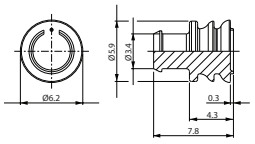


Cable dia.: 1.5-2 mm
ID: 1.8 mm
OD: 5.6 mm
Length: 7.8 mm

Colour: White
Material: Silicone rubber

192179 JPT Blanking Plug — Std pkg 100

For Junior-Power-Timer housing.

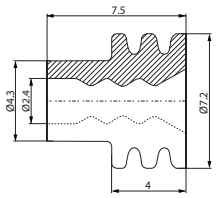


Cable dia.: 1.5-2 mm
ID: 3.4 mm
OD: 6.1 mm
Length: 7.8 mm

Colour: Transparent
Material: Silicone rubber

192375 Single Wire Seal — Std pkg 50 — **Servicing:** HC-CARGO 192374, 192373

For metripack terminals.

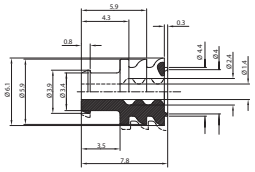


Cable dia.: 1-2.5 mm
ID: 2.4 mm
OD: 7.2 mm
Length: 7.5 mm

Colour: Green
Material: Silicone rubber

192587 Single Wire Seal — Std pkg 100 — **Servicing:** HC-CARGO 192077, 192078, 192079, 192080, 192081, 192082, 192083, 192084, 192085, 192086, 192087, 192088

For Super Seal housing.

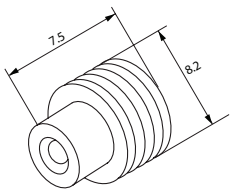


Cable dia.: 0.75-1.5 mm
ID: 1.4-2.4 mm
OD: 6.1 mm
Length: 7.8 mm

Colour: Yellow
Material: Silicone rubber

192647 Rubber Silicone Seal — Std pkg 100 — **Servicing:** HC-CARGO 192631, 192632, 192633, 192634, 192635, 192636, 192637

For fuse holder. Hole size: 8.2 mm.

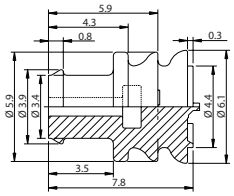


Cable dia.: 2-3 mm
ID: 1.9-3 mm
OD: 8.2 mm
Length: 7.5 mm

Colour: White
Material: Silicone rubber

192859 Blanking Plug — Std pkg 100

For Super Seal housing.



OD: 6.1 mm
Length: 7.8 mm

Colour: Red
Material: Silicone rubber

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

TERMINAL COVER

NON INSULATED

192808 Terminal Cover — Std pkg 10

Terminal 1: 12 mm
Terminal 2: 25.4 mm
Cable dia.: 7.62 mm
ID: 12.7 mm
OD: 14 mm
Height: 17.8 mm

Colour: Black
Material: PVC

192809 Terminal Cover — Std pkg 10

Terminal 1: 14 mm
Terminal 2: 25.4 mm
Cable dia.: 7.62 mm
ID: 12.7 mm
OD: 14 mm
Height: 19 mm

Colour: Black
Material: PVC

192810 Terminal Cover — Std pkg 10

Terminal 1: 18 mm
Terminal 2: 25.4 mm
Cable dia.: 7.62 mm
ID: 12.7 mm
OD: 18 mm
Height: 22.1 mm

Colour: Black
Material: PVC

192811 Terminal Cover — Std pkg 10

Terminal 1: 20 mm
Terminal 2: 33.5 mm
Cable dia.: 12.7 mm
ID: 17.8 mm
OD: 20 mm
Height: 24.1 mm

Colour: Black
Material: PVC

192812 Terminal Cover — Std pkg 10

Terminal 1: 24 mm
Terminal 2: 41.2 mm
Cable dia.: 12.7 mm
ID: 17.8 mm
OD: 24 mm
Height: 28.7 mm

Colour: Black
Material: PVC

192813 Terminal Cover — Std pkg 10

Terminal 1: 32 mm
Terminal 2: 44.5 mm
Cable dia.: 17.8 mm
ID: 22.9 mm
OD: 32 mm
Height: 38.1 mm

Colour: Black
Material: PVC

192828 Terminal Cover — Std pkg 10

Terminal 1: 12 mm
Terminal 2: 25.4 mm
Cable dia.: 7.62 mm
ID: 12.7 mm
OD: 14 mm
Height: 17.8 mm

Colour: Red
Material: PVC

192829 Terminal Cover — Std pkg 10

Terminal 1: 14 mm
Terminal 2: 25.4 mm
Cable dia.: 7.62 mm
ID: 12.7 mm
OD: 14 mm
Height: 19.1 mm

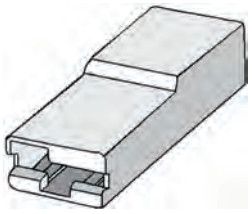
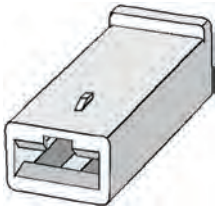
Colour: Red
Material: PVC

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
192830 Terminal Cover Std pkg 10			
		Terminal 1: 18 mm **Terminal 2:** 25.4 mm **Cable dia.:** 7.62 mm **ID:** 12.7 mm **OD:** 18 mm **Height:** 22.1 mm	**Colour:** Red **Material:** PVC
192831 Terminal Cover Std pkg 10			
		Terminal 1: 20 mm **Terminal 2:** 33.5 mm **Cable dia.:** 12.7 mm **ID:** 17.8 mm **OD:** 20 mm **Height:** 24.1 mm	**Colour:** Red **Material:** PVC
192832 Terminal Cover Std pkg 10			
		Terminal 1: 24 mm **Terminal 2:** 41.2 mm **Cable dia.:** 12.7 mm **ID:** 17.8 mm **OD:** 24 mm **Height:** 28.7 mm	**Colour:** Red **Material:** PVC
192833 Terminal Cover Std pkg 10			
		Terminal 1: 32 mm **Terminal 2:** 44.5 mm **Cable dia.:** 17.8 mm **ID:** 22.9 mm **OD:** 32 mm **Height:** 38.1 mm	**Colour:** Red **Material:** PVC

MULTIPLE CONNECTORS

INSULATORS

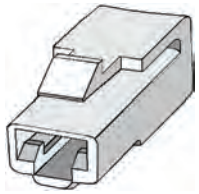
FEMALE HOLDERS

191007 Insulator Std pkg 100			
Terminal: HC-CARGO 191008, 191064.			
			**Colour:** White **Male/female:** Female
191081 Insulator Std pkg 100	**Servicing:** HC-CARGO 191082		
Terminal: HC-CARGO 191079.			
			Colour: Transparent **Male/female:** Female
191127 Insulator Std pkg 100			
Terminal: HC-CARGO 190252, 191029.			
			**Colour:** White **Male/female:** Female

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

191227 Insulator Std pkg 100

Terminal: HC-CARGO 192381.



ID: 4.3/7.8 mm
OD: 10 mm
Length: 24.8 mm

Type: Japanese
Colour: White
Material: Nylon 66
Male/female: Female

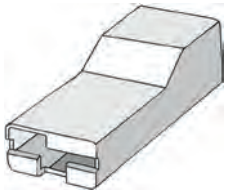
191751 Insulator Std pkg 100

Terminal: HC-CARGO 191246, 191247.

Colour: Black
Male/female: Female

191937 Insulator Std pkg 100

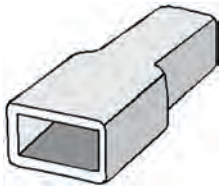
Terminal: HC-CARGO 191069.



Colour: White
Male/female: Female

192442 Insulator Std pkg 100

Terminal: HC-CARGO 192443.



Colour: White
Male/female: Female

MALE HOLDERS

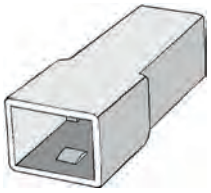
191080 Insulator Std pkg 100 **Servicing:** HC-CARGO 191082

Terminal: HC-CARGO 191078.

Colour: Transparent
Male/female: Male

191126 Insulator Std pkg 100

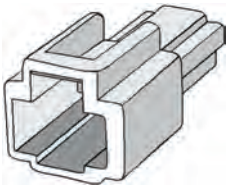
Terminal: HC-CARGO 190270, 191028.



Colour: White
Male/female: Male

191226 Insulator Std pkg 100

Terminal: HC-CARGO 192380.



Length: 28.5 mm

Type: Japanese
Colour: White
Male/female: Male

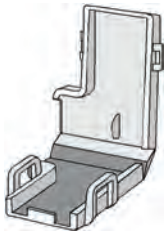
	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

191650 Insulator Std pkg 100

Terminal: HC-CARGO 191415.

Colour: Black
Male/female: Male

192002 Insulator Std pkg 100



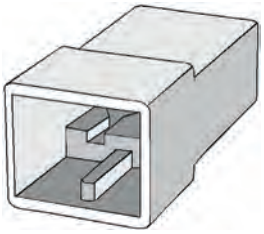
Type: Flag
Colour: White
Male/female: Male

HOLDERS

2 POLE

190260 Connector Std pkg 10

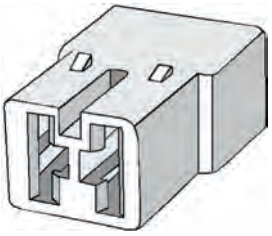
Terminal: HC-CARGO 190270, 191028.



Colour: White
No./poles: 2
Plug: Male

190261 Connector Std pkg 10 **Servicing:** HC-CARGO 171955

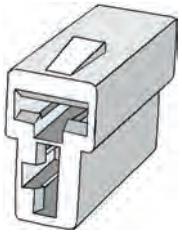
Terminal: HC-CARGO 190252, 191029. Rubber Boot: HC-CARGO 193010.



Colour: White
No./poles: 2
Plug: Female

190272 Connector Std pkg 10

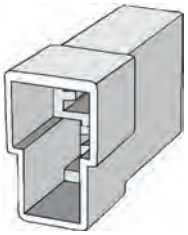
Terminal: HC-CARGO 190252, 191029.



Type/terminal: T-type
Colour: White
No./poles: 2
Plug: Female

190843 Connector Std pkg 10

Terminal: HC-CARGO 190270, 191028.

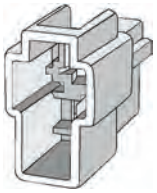


Type/terminal: T-type
Colour: White
No./poles: 2
Plug: Male

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

191158 Connector Std pkg 10

Terminal: HC-CARGO 192380.



Type/terminal: Japanese type
Colour: White
No./poles: 2
Plug: Male

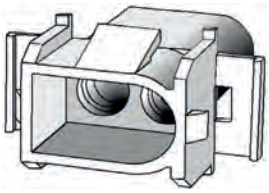
191159 Connector Std pkg 10

Terminal: HC-CARGO 192381.

Type/terminal: Japanese type
Colour: Black
No./poles: 2
Plug: Female

191808 Connector Std pkg 10 **Servicing:** Car Heaters - Visit our web catalogue for further information

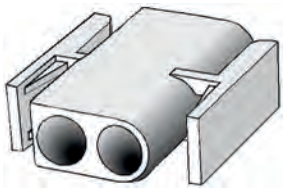
Terminal: HC-CARGO 191563.



Colour: White
No./poles: 2
Plug: Male

191809 Connector Std pkg 10 **Servicing:** Car Heaters - Visit our web catalogue for further information

Terminal: HC-CARGO 191564.

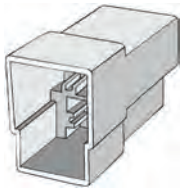


Colour: White
No./poles: 2
Plug: Female

3 POLE

190262 Connector Std pkg 10

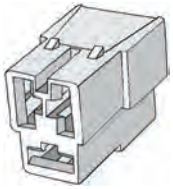
Terminal: HC-CARGO 190270, 191028.



Colour: White
No./poles: 3
Plug: Male

190263 Connector Std pkg 10

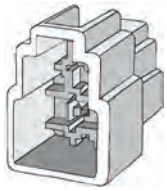
Terminal: HC-CARGO 190252, 191029.



Colour: White
No./poles: 3
Plug: Female

191224 Connector Std pkg 10

Terminal: HC-CARGO 192380.

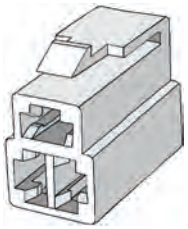


Type/terminal: Japanese type
Colour: White
No./poles: 3
Plug: Male

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

191225 Connector Std pkg 10

Terminal: HC-CARGO 192376.

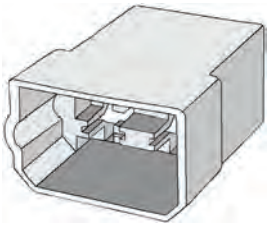


Type/terminal: Japanese type
Colour: White
No./poles: 3
Plug: Female

4 POLE

190264 Connector Std pkg 10

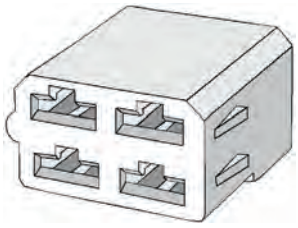
Terminal: HC-CARGO 190270, 191028.



Colour: White
Material: Nylon 6.6 UL94-V2
No./poles: 4
Plug: Male

190265 Connector Std pkg 10

Terminal: HC-CARGO 190252, 191029.



Colour: White
Material: Nylon 6.6 UL94-V2
No./poles: 4
Plug: Female

191070 Connector Std pkg 10

Terminal: HC-CARGO 191074.

Colour: White
No./poles: 4
Plug: Male

191071 Connector Std pkg 10

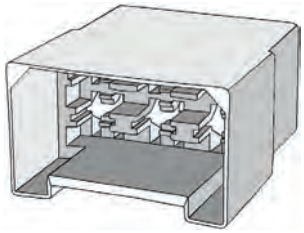
Terminal: HC-CARGO 191075.

Colour: White
No./poles: 4
Plug: Female

6 POLE

190266 Connector Std pkg 10

Terminal: HC-CARGO 190270, 191028.

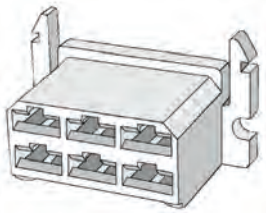


Colour: White
No./poles: 6
Plug: Male

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

190267 Connector Std pkg 10

Terminal: HC-CARGO 190252, 191029.

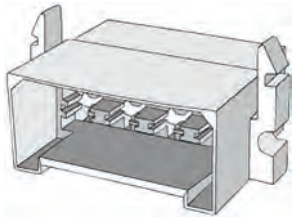


Colour: White
No./poles: 6
Plug: Female

8 POLE

190268 Connector Std pkg 10

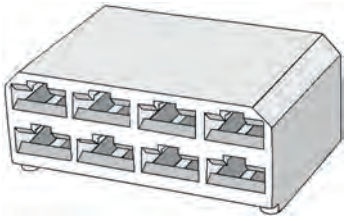
Terminal: HC-CARGO 190270, 191028.



Colour: White
No./poles: 8
Plug: Male

190269 Connector Std pkg 10

Terminal: HC-CARGO 190252, 191029.

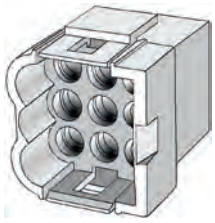


Colour: White
No./poles: 8
Plug: Female

9 POLE

191561 Connector Std pkg 10

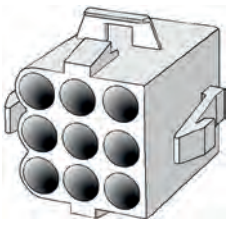
Terminal: HC-CARGO 191563.



Colour: White
No./poles: 9
Plug: Male

191562 Connector Std pkg 10

Terminal: HC-CARGO 191564.

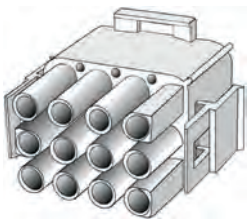


Colour: White
No./poles: 9
Plug: Female

12 POLE

192488 Connector Std pkg 10

Terminal: HC-CARGO 191092.

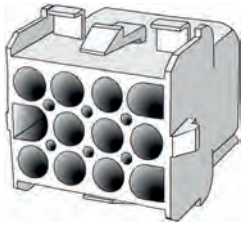


Colour: White
No./poles: 12
Plug: Male

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

192501 Connector Std pkg 10

Terminal: HC-CARGO 191091.



Colour: White
No./poles: 12
Plug: Female

ACCESSORIES

193010 Rubber Boot Std pkg 10 **Servicing:** HC-CARGO 190261, 171955

Material: EPDM rubber

DEUTSCH-CONNECTOR DT

2 POLE

192457 DT Connector Std pkg 5 **Servicing:** HC-CARGO 193349

DT06-2S. Terminal: HC-CARGO 192478. Secondary lock: HC-CARGO 192467. Rubber Boot: HC-CARGO 193092.

Type/terminal: DT
Colour: Grey
No./poles: 2
Plug: Female

192458 DT Connector Std pkg 5 **Servicing:** HC-CARGO 193350

DT04-2P. Terminal: HC-CARGO 192477. Secondary lock: HC-CARGO 192468. Rubber Boot: HC-CARGO 193091.

Type/terminal: DT
Colour: Grey
No./poles: 2
Plug: Male

193349 DT Connector kit Std pkg 1

Consists: 1x Connector: HC-CARGO 192457. 1x Secondary Lock: HC-CARGO 192467. 2x Terminal: HC-CARGO 192478.

Type/terminal: DT
Colour: Grey
No./poles: 2
Plug: Female

193350 DT Connector kit Std pkg 1

Consists: 1x Connector: HC-CARGO 192458. 1x Secondary Lock: HC-CARGO 192468. 2x Terminal: HC-CARGO 192477.

Type/terminal: DT
Colour: Grey
No./poles: 2
Plug: Male

ACCESSORIES

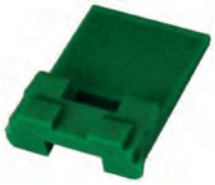
192467 Secondary Lock — Std pkg 10 — **Servicing:** HC-CARGO 192457, 193349

W 2S.

Type/terminal: DT
No./poles: 2
Plug: Female

192468 Secondary Lock — Std pkg 10 — **Servicing:** HC-CARGO 192458, 193350

W 2P.



Type/terminal: DT
No./poles: 2
Plug: Male

193091 Rubber Boot — Std pkg 5 — **Servicing:** HC-CARGO 192458

Type/terminal: DT
Colour: Grey
No./poles: 2

193092 Rubber Boot — Std pkg 5 — **Servicing:** HC-CARGO 192457

Type/terminal: DT
Colour: Grey
No./poles: 2

3 POLE

192459 DT Connector — Std pkg 5 — **Servicing:** HC-CARGO 193351

DT06-3S. Terminal: HC-CARGO 192478. Secondary lock: HC-CARGO 192469. Rubber Boot: HC-CARGO 193094.

Type/terminal: DT
Colour: Grey
No./poles: 3
Plug: Female

192460 DT Connector — Std pkg 5 — **Servicing:** HC-CARGO 193352

DT04-3P. Terminal: HC-CARGO 192477. Secondary lock: HC-CARGO 192470. Rubber Boot: HC-CARGO 193093.

Type/terminal: DT
Colour: Grey
No./poles: 3
Plug: Male

193351 DT Connector kit — Std pkg 1 — **Servicing:** HC-CARGO 193352

Consists: 1x Connector: HC-CARGO 192459. 1x Secondary Lock: HC-CARGO 192469. 3x Terminal: HC-CARGO 192478.

Type/terminal: DT
Colour: Grey
No./poles: 3
Plug: Female

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

193352 DT Connector kit — Std pkg 1 — **Servicing:** HC-CARGO 1933521

Consists: 1x Connector: HC-CARGO 192460. 1x Secondary Lock: HC-CARGO 192470. 3x Terminal: HC-CARGO 192477.

Type/terminal: DT
Colour: Grey
No./poles: 3
Plug: Male

ACCESSORIES

192469 Secondary Lock — Std pkg 10 — **Servicing:** HC-CARGO 192459, 193351

W 3S.

Type/terminal: DT
No./poles: 3
Plug: Female

192470 Secondary Lock — Std pkg 10 — **Servicing:** HC-CARGO 192460, 193352

W 3P.

Type/terminal: DT
No./poles: 3
Plug: Male

193093 Rubber Boot — Std pkg 5 — **Servicing:** HC-CARGO 192460

Type/terminal: DT
Colour: Grey
No./poles: 3

193094 Rubber Boot — Std pkg 5 — **Servicing:** HC-CARGO 192459

Type/terminal: DT
Colour: Grey
No./poles: 3

4 POLE

192461 DT Connector — Std pkg 5 — **Servicing:** HC-CARGO 193353

DT06-4S. Terminal: HC-CARGO 192478. Secondary lock: HC-CARGO 192471. Rubber Boot: HC-CARGO 193096.

Type/terminal: DT
Colour: Grey
No./poles: 4
Plug: Female

192462 DT Connector — Std pkg 5 — **Servicing:** HC-CARGO 193354

DT04-4P. Terminal: HC-CARGO 192477. Secondary lock: HC-CARGO 192472. Rubber Boot: HC-CARGO 193095.

Type/terminal: DT
Colour: Grey
No./poles: 4
Plug: Male

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

193353 DT Connector kit Std pkg 1 **Servicing:** HC-CARGO 193354

Consists: 1x Connector: HC-CARGO 192461. 1x Secondary Lock: HC-CARGO 192471. 4x Terminal: HC-CARGO 192478.

Type/terminal: DT
Colour: Grey
No./poles: 4
Plug: Female

193354 DT Connector kit Std pkg 1 **Servicing:** HC-CARGO 193354

Consists: 1x Connector: HC-CARGO 192462. 1x Secondary Lock: HC-CARGO 192472. 4x Terminal: HC-CARGO 192477.

Type/terminal: DT
Colour: Grey
No./poles: 4
Plug: Male

ACCESSORIES

192471 Secondary Lock Std pkg 10 **Servicing:** HC-CARGO 192461, 193353

W 4S.

Type/terminal: DT
No./poles: 4
Plug: Female

192472 Secondary Lock Std pkg 10 **Servicing:** HC-CARGO 192462,193354

W 4P.

Type/terminal: DT
No./poles: 4
Plug: Male

193095 Rubber Boot Std pkg 5 **Servicing:** HC-CARGO 192462

Type/terminal: DT
Colour: Grey
No./poles: 4

193096 Rubber Boot Std pkg 5 **Servicing:** HC-CARGO 192461

Type/terminal: DT
Colour: Grey
No./poles: 4

6 POLE

192463 DT Connector Std pkg 5 **Servicing:** HC-CARGO 193355

DT06-6S. Terminal: HC-CARGO 192478. Secondary lock: HC-CARGO 192473. Rubber Boot: HC-CARGO 193098.

Type/terminal: DT
Colour: Grey
No./poles: 6
Plug: Female

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

192464 DT Connector — Std pkg 5 — **Servicing:** HC-CARGO 193356

DT04-6P. Terminal: HC-CARGO 192477. Secondary lock: HC-CARGO 192474. Rubber Boot: HC-CARGO 193097.

Type/terminal: DT
Colour: Grey
No./poles: 6
Plug: Male

193355 DT Connector kit — Std pkg 1 — **Servicing:** HC-CARGO 193356

Consists: 1x Connector: HC-CARGO 192463. 1x Secondary Lock: HC-CARGO 192473. 6x Terminal: HC-CARGO 192478.

Type/terminal: DT
Colour: Grey
No./poles: 6
Plug: Female

193356 DT Connector kit — Std pkg 1 — **Servicing:** HC-CARGO 193355

Consists: 1x Connector: HC-CARGO 192464. 1x Secondary Lock: HC-CARGO 192474. 6x Terminal: HC-CARGO 192477.

Type/terminal: DT
Colour: Grey
No./poles: 6
Plug: Male

ACCESSORIES

192473 Secondary Lock — Std pkg 10 — **Servicing:** HC-CARGO 192463, 193355

W 6S.

Type/terminal: DT
No./poles: 6
Plug: Female

192474 Secondary Lock — Std pkg 10 — **Servicing:** HC-CARGO 192464, 193356

W 6P.

Type/terminal: DT
No./poles: 6
Plug: Male

193097 Rubber Boot — Std pkg 5 — **Servicing:** HC-CARGO 192464

Type/terminal: DT
Colour: Grey
No./poles: 6

193098 Rubber Boot — Std pkg 5 — **Servicing:** HC-CARGO 192463

Type/terminal: DT
Colour: Grey
No./poles: 6

8 POLE

192465 DT Connector — Std pkg 5

DT06-8S. Terminal: HC-CARGO 192478. Secondary lock: HC-CARGO 192475. Rubber Boot: HC-CARGO 193100.

Type/terminal: DT
Colour: Grey
No./poles: 8
Plug: Female

192466 DT Connector — Std pkg 5

DT04-8P. Terminal: HC-CARGO 192477. Secondary lock: HC-CARGO 192476. Rubber Boot: HC-CARGO 193099.

Type/terminal: DT
Colour: Grey
No./poles: 8
Plug: Male

ACCESSORIES

192475 Secondary Lock — Std pkg 10 — **Servicing:** HC-CARGO 192465

W 8S.

Type/terminal: DT
No./poles: 8
Plug: Female

192476 Secondary Lock — Std pkg 10 — **Servicing:** HC-CARGO 192466

W 8P.

Type/terminal: DT
No./poles: 8
Plug: Male

193099 Rubber Boot — Std pkg 5 — **Servicing:** HC-CARGO 192466

Type/terminal: DT
Colour: Grey
No./poles: 8

193100 Rubber Boot — Std pkg 5 — **Servicing:** HC-CARGO 192465

Type/terminal: DT
Colour: Grey
No./poles: 8

12 POLE

192450 DT Connector — Std pkg 5

DT06-12S. Terminal: HC-CARGO 192478. Secondary lock: HC-CARGO 192452. Rubber Boot: HC-CARGO 193102.

Type/terminal: DT
Colour: Grey
No./poles: 12
Plug: Female

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

192451 DT Connector Std pkg 5

DT04-12P. Terminal: HC-CARGO 192477. Secondary lock: HC-CARGO 192453. Rubber Boot: HC-CARGO 193101.

Type/terminal: DT
Colour: Grey
No./poles: 12
Plug: Male

ACCESSORIES

192452 Secondary Lock Std pkg 10 **Servicing:** HC-CARGO 192450

W 12S.

Type/terminal: DT
No./poles: 12
Plug: Female

192453 Secondary Lock Std pkg 10 **Servicing:** HC-CARGO 192451

W 12P.

Type/terminal: DT
No./poles: 12
Plug: Male

193101 Rubber Boot Std pkg 5 **Servicing:** HC-CARGO 192451

Type/terminal: DT
Colour: Grey
No./poles: 12

193102 Rubber Boot Std pkg 5 **Servicing:** HC-CARGO 192450

Type/terminal: DT
Colour: Grey
No./poles: 12

DEUTSCH-CONNECTOR DTM

2 POLE

192595 DTM Connector Std pkg 5 **Servicing:** HC-CARGO 193357

DTM06-2S. Terminal: HC-CARGO 192620. Secondary lock: HC-CARGO 192607. Rubber Boot: HC-CARGO 193104.

Type/terminal: DTM
Colour: Grey
No./poles: 2
Plug: Female

192596 DTM Connector Std pkg 5 **Servicing:** HC-CARGO 193358

DTM04-2P. Terminal: HC-CARGO 192619. Secondary lock: HC-CARGO 192608. Rubber Boot: HC-CARGO 193103.

Type/terminal: DTM
Colour: Grey
No./poles: 2
Plug: Male

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

193357 DTM Connector kit Std pkg 1 **Servicing:** HC-CARGO 193358

Consists: 1x Connector: HC-CARGO 192595. 1x Secondary Lock: HC-CARGO 192607. 2x Terminal: HC-CARGO 192620.

Type/terminal: DTM
Colour: Grey
No./poles: 2
Plug: Female

193358 DTM Connector kit Std pkg 1 **Servicing:** HC-CARGO 193357

Consists: 1x Connector: HC-CARGO 192596. 1x Secondary Lock: HC-CARGO 192608. 2x Terminal: HC-CARGO 192619.

Type/terminal: DTM
Colour: Grey
No./poles: 2
Plug: Male

ACCESSORIES

192607 Secondary Lock Std pkg 10 **Servicing:** HC-CARGO 192595, 193357

WM 2S.

Type/terminal: DTM
No./poles: 2
Plug: Female

192608 Secondary Lock Std pkg 10 **Servicing:** HC-CARGO 192596, 193358

WM 2P.

Type/terminal: DTM
No./poles: 2
Plug: Male

193103 Rubber Boot Std pkg 5 **Servicing:** HC-CARGO 192596

Type/terminal: DTM
Colour: Grey
No./poles: 2

193104 Rubber Boot Std pkg 5 **Servicing:** HC-CARGO 192595

Type/terminal: DTM
Colour: Grey
No./poles: 2

3 POLE

192597 DTM Connector Std pkg 5 **Servicing:** HC-CARGO 193359

DTM06-3S. Terminal: HC-CARGO 192620. Secondary lock: HC-CARGO 192609. Rubber Boot: HC-CARGO 193106.

Type/terminal: DTM
Colour: Grey
No./poles: 3
Plug: Female

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

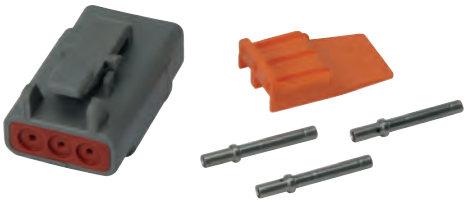
192598 DTM Connector — Std pkg 5 — **Servicing:** HC-CARGO 193360

DTM04-3P. Terminal: HC-CARGO 192619. Secondary lock: HC-CARGO 192610. Rubber Boot: HC-CARGO 193105.

Type/terminal: DTM
Colour: Grey
No./poles: 3
Plug: Male

193359 DTM Connector kit — Std pkg 1 — **Servicing:** HC-CARGO 193360

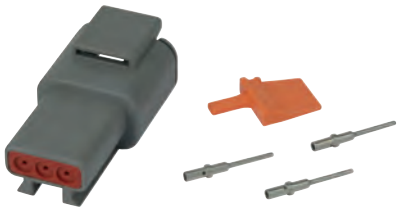
Consists: 1x Connector: HC-CARGO 192597. 1x Secondary Lock: HC-CARGO 192609. 2x Terminal: HC-CARGO 192620.



Type/terminal: DTM
Colour: Grey
No./poles: 3
Plug: Female

193360 DTM Connector kit — Std pkg 1 — **Servicing:** HC-CARGO 193359

Consists: 1x Connector: HC-CARGO 192598. 1x Secondary Lock: HC-CARGO 192610. 2x Terminal: HC-CARGO 192619.



Type/terminal: DTM
Colour: Grey
No./poles: 3
Plug: Male

ACCESSORIES

192609 Secondary Lock — Std pkg 10 — **Servicing:** HC-CARGO 192597, 193359

WM 3S.

Type/terminal: DTM
No./poles: 3
Plug: Female

192610 Secondary Lock — Std pkg 10 — **Servicing:** HC-CARGO 192598, 193360

WM 3P.

Type/terminal: DTM
No./poles: 3
Plug: Male

193105 Rubber Boot — Std pkg 5 — **Servicing:** HC-CARGO 192598

Type/terminal: DTM
Colour: Grey
No./poles: 3

193106 Rubber Boot — Std pkg 5 — **Servicing:** HC-CARGO 192597

Type/terminal: DTM
Colour: Grey
No./poles: 3

4 POLE

192599 DTM Connector — Std pkg 5 — **Servicing:** HC-CARGO 193361

DTM06-4S. Terminal: HC-CARGO 192620. Secondary lock: HC-CARGO 192611. Rubber Boot: HC-CARGO 193108.

Type/terminal: DTM
Colour: Grey
No./poles: 4
Plug: Female

192600 DTM Connector — Std pkg 5 — **Servicing:** HC-CARGO 193362

DTM04-4P. Terminal: HC-CARGO 192619. Secondary lock: HC-CARGO 192612. Rubber Boot: HC-CARGO 193107.

Type/terminal: DTM
Colour: Grey
No./poles: 4
Plug: Male

193361 DTM Connector kit — Std pkg 1 — **Servicing:** HC-CARGO 193362

Consists: 1x Connector: HC-CARGO 192599. 1x Secondary Lock: HC-CARGO 192611. 2x Terminal: HC-CARGO 192620.

Type/terminal: DTM
Colour: Grey
No./poles: 4
Plug: Female

193362 DTM Connector kit — Std pkg 1 — **Servicing:** HC-CARGO 193361

Consists: 1x Connector: HC-CARGO 192600. 1x Secondary Lock: HC-CARGO 192612. 2x Terminal: HC-CARGO 192619.

Type/terminal: DTM
Colour: Grey
No./poles: 4
Plug: Male

ACCESSORIES

192611 Secondary Lock — Std pkg 10 — **Servicing:** HC-CARGO 192599, 193361

WM 4S.

Type/terminal: DTM
No./poles: 4
Plug: Female

192612 Secondary Lock — Std pkg 10 — **Servicing:** HC-CARGO 192600, 193362

WM 4P.

Type/terminal: DTM
No./poles: 4
Plug: Male

193107 Rubber Boot — Std pkg 5 — **Servicing:** HC-CARGO 192600

Type/terminal: DTM
Colour: Grey
No./poles: 4

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

193108 Rubber Boot — Std pkg 5 — **Servicing:** HC-CARGO 192599

Type/terminal: DTM
Colour: Grey
No./poles: 4

6 POLE

192601 DTM Connector — Std pkg 5 — **Servicing:** HC-CARGO 193363

DTM06-6S. Terminal: HC-CARGO 192620. Secondary lock: HC-CARGO 192613. Rubber Boot: HC-CARGO 193110.

Type/terminal: DTM
Colour: Grey
No./poles: 6
Plug: Female

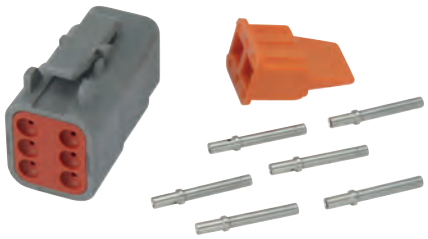
192602 DTM Connector — Std pkg 5 — **Servicing:** HC-CARGO 193364

DTM04-6P. Terminal: HC-CARGO 192619. Secondary lock: HC-CARGO 192614. Rubber Boot: HC-CARGO 193109.

Type/terminal: DTM
Colour: Grey
No./poles: 6
Plug: Male

193363 DTM Connector kit — Std pkg 1 — **Servicing:** HC-CARGO 193364

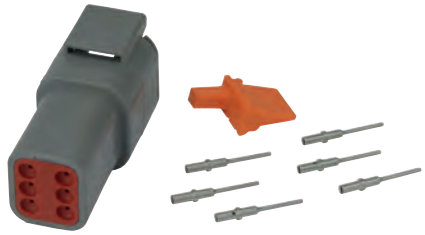
Consists: 1x Connector: HC-CARGO 192601. 1x Secondary Lock: HC-CARGO 192613. 2x Terminal: HC-CARGO 192620.



Type/terminal: DTM
Colour: Grey
No./poles: 6
Plug: Female

193364 DTM Connector kit — Std pkg 1 — **Servicing:** HC-CARGO 193363

Consists: 1x Connector: HC-CARGO 192602. 1x Secondary Lock: HC-CARGO 192614. 2x Terminal: HC-CARGO 192619.



Type/terminal: DTM
Colour: Grey
No./poles: 6
Plug: Male

ACCESSORIES

192613 Secondary Lock — Std pkg 10 — **Servicing:** HC-CARGO 192601, 193363

WM 6S.

Type/terminal: DTM
No./poles: 6
Plug: Female

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

192614 Secondary Lock Std pkg 10 **Servicing:** HC-CARGO 192602, 193364

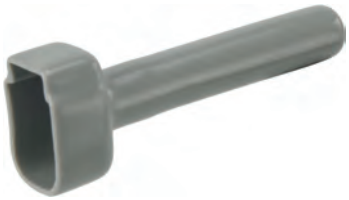
WM 6P.

Type/terminal: DTM
No./poles: 6
Plug: Male

193109 Rubber Boot Std pkg 5 **Servicing:** HC-CARGO 192602

Type/terminal: DTM
Colour: Grey
No./poles: 6

193110 Rubber Boot Std pkg 5 **Servicing:** HC-CARGO 192601



Type/terminal: DTM
Colour: Grey
No./poles: 6

8 POLE

192603 DTM Connector Std pkg 5

DTM06-8S. Terminal: HC-CARGO 192620. Secondary lock: HC-CARGO 192615. Rubber Boot: HC-CARGO 193112.

Type/terminal: DTM
Colour: Grey
No./poles: 8
Plug: Female

192604 DTM Connector Std pkg 5

DTM04-8P. Terminal: HC-CARGO 192619. Secondary lock: HC-CARGO 192616. Rubber Boot: HC-CARGO 193111.

Type/terminal: DTM
Colour: Grey
No./poles: 8
Plug: Male

ACCESSORIES

192615 Secondary Lock Std pkg 10 **Servicing:** HC-CARGO 192603

WM 8S.

Type/terminal: DTM
No./poles: 8
Plug: Female

192616 Secondary Lock Std pkg 10 **Servicing:** HC-CARGO 192604

WM 8P.

Type/terminal: DTM
No./poles: 8
Plug: Male

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

193111 Rubber Boot — Std pkg 5 — **Servicing:** HC-CARGO 192604

Type/terminal: DTM
Colour: Grey
No./poles: 8

193112 Rubber Boot — Std pkg 5 — **Servicing:** HC-CARGO 192603

Type/terminal: DTM
Colour: Grey
No./poles: 8

12 POLE

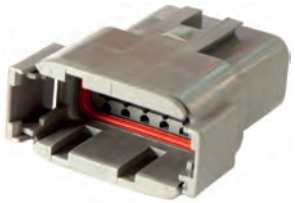
192605 DTM Connector — Std pkg 5

DTM06-12P. Terminal: HC-CARGO 192620. Secondary lock: HC-CARGO 192617. Rubber Boot: HC-CARGO 193114.

Type/terminal: DTM
Colour: Grey
No./poles: 12
Plug: Female

192606 DTM Connector — Std pkg 5

DTM04-12P. Terminal: HC-CARGO 192619. Secondary lock: HC-CARGO 192618. Rubber Boot: HC-CARGO 193113.



Type/terminal: DTM
Colour: Grey
No./poles: 12
Plug: Male

ACCESSORIES

192617 Secondary Lock — Std pkg 10 — **Servicing:** HC-CARGO 192605

WM 12S.

Type/terminal: DTM
No./poles: 12
Plug: Female

192618 Secondary Lock — Std pkg 10 — **Servicing:** HC-CARGO 192606

WM 12P.

Type/terminal: DTM
No./poles: 12
Plug: Male

193113 Rubber Boot — Std pkg 5 — **Servicing:** HC-CARGO 192606

Type/terminal: DTM
Colour: Grey
No./poles: 12

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

193114 Rubber Boot — Std pkg 5 — **Servicing:** HC-CARGO 192605

Type/terminal: DTM
Colour: Grey
No./poles: 12

ACCESSORIES

192788 Sealing Plug — Std pkg 10 — **Servicing:** DTM - Visit our web catalogue for further information

DEUTSCH-CONNECTOR DTP

2 POLE

193017 DTP Connector — Std pkg 1

DTP 04-2P. Terminal: HC-CARGO 192621. Secondary lock: HC-CARGO 193021. Rubber Boot: HC-CARGO 193115.

Type/terminal: DTP
No./poles: 2
Plug: Male

193018 DTP Connector — Std pkg 1

DTP06-2S. Terminal: HC-CARGO 192622. Secondary lock: HC-CARGO 193022. Rubber Boot: HC-CARGO 193116.

Type/terminal: DTP
No./poles: 2
Plug: Female

ACCESSORIES

193021 Secondary Lock — Std pkg 10 — **Servicing:** HC-CARGO 193017

WP 2P.

Type/terminal: DTP
No./poles: 2
Plug: Male

193022 Secondary Lock — Std pkg 10 — **Servicing:** HC-CARGO 193018

WP 2S.

Type/terminal: DTP
No./poles: 2
Plug: Female

193115 Rubber Boot — Std pkg 5 — **Servicing:** HC-CARGO 193017

Type/terminal: DTP
Colour: Grey
No./poles: 2

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

193116 Rubber Boot Std pkg 5 **Servicing:** HC-CARGO 193018

Type/terminal: DTP
Colour: Grey
No./poles: 2

4 POLE

193019 DTP Connector Std pkg 1

DTP04-4P. Terminal: HC-CARGO 192621. Secondary lock: HC-CARGO 193023. Rubber Boot: HC-CARGO 193117.

Type/terminal: DTP
No./poles: 4
Plug: Male

193020 DTP Connector Std pkg 1

DTP06-4S. Terminal: HC-CARGO 192622. Secondary lock: HC-CARGO 193024. Rubber Boot: HC-CARGO 193118.

Type/terminal: DTP
No./poles: 4
Plug: Female

ACCESSORIES

193023 Secondary Lock Std pkg 10 **Servicing:** HC-CARGO 193019

WP 4P.

Type/terminal: DTP
No./poles: 4
Plug: Male

193024 Secondary Lock Std pkg 10 **Servicing:** HC-CARGO 193020

WP 4S.

Type/terminal: DTP
No./poles: 4
Plug: Female

193117 Rubber Boot Std pkg 5 **Servicing:** HC-CARGO 193019

Type/terminal: DTP
Colour: Grey
No./poles: 4

193118 Rubber Boot Std pkg 5 **Servicing:** HC-CARGO 193020

Type/terminal: DTP
Colour: Grey
No./poles: 4

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

DEUTSCH-CONNECTOR ACCESSORIES

192987 Mounting Bracket Std pkg 10

Fits on DT, DTM, DTP and DTHD.

DEUTSCH-CONNECTOR HD

9 POLE

193042 HD Connector Std pkg 1 **Servicing:** HC-CARGO 193043

HD16-9-1939SE. Terminal: 9x HC-CARGO 192505.

Amp: 13

Type/terminal: HD16-connector
No./poles: 9
Plug: Female

193043 HD Connector Std pkg 1 **Servicing:** HC-CARGO 193042

HD10-9-1939PE. Terminal: 9x HC-CARGO 192506.

Amp: 13

Type/terminal: HD10-connector
No./poles: 9
Plug: Male

DEUTSCH-CONNECTOR HDP

9 POLE

193044 HDP Connector Std pkg 1 **Servicing:** HC-CARGO 193045

HDP-26-24-95N. Terminal: 6x HC-CARGO 192621, 2x HC-CARGO 193233, 1x HC-CARGO 193234.

Amp: 25-100

Type/terminal: HDP26-connector
No./poles: 9
Plug: Female

193045 HDP Connector Std pkg 1 **Servicing:** HC-CARGO 193044

HDP24-24-9PN. Terminal: 6x HC-CARGO 192622, 2x HC-CARGO 193235, 1x HC-CARGO 193236.

Amp: 25-100

Type/terminal: HDP24-connector
No./poles: 9
Plug: Male

23 POLE

192651 HDP Connector Std pkg 1

HDP26-24-23-PE. Terminals: 23x HC-CARGO 192505, 192477, 192622. Seal 23x HC-CARGO 192787.

Amp: 13

Type/terminal: HDP26-connector
No./poles: 23
Plug: Male

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

192652 HDP Connector Std pkg 1

HDP24-24-23-SE. Terminals: 23x HC-CARGO 192506, 192478. Seal: 23x HC-CARGO 192787. Panel Nut: HC-Cargo 192683.

Amp: 13

Type/terminal: HDP26-connector
No./poles: 23
Plug: Female

31 POLE

192655 HDP Connector Std pkg 1

HDP26-24-31-PE. Terminals: 31x HC-CARGO 192505, 192477. Seal: 31x HC-CARGO 192787.

Amp: 13

Type/terminal: HDP26-connector
No./poles: 31
Plug: Male

192656 HDP Connector Std pkg 1

HDP24-24-31-SE. Terminals: 31x HC-CARGO 192506, 192478. Seal: 31x HC-CARGO 192787. Panel Nut: HC-Cargo 192683.

Amp: 13

Type/terminal: HDP26-connector
No./poles: 31
Plug: Female

ACCESSORIES

192683 Panel Nut Std pkg 1 **Servicing:** HC-CARGO 192652, 192656

HDP26-connectors. ID: UNF 1 11/16".

192787 Sealing Plug Std pkg 10 **Servicing:** HC-CARGO 192651, 192652, 192655, 192656

SUPERSEAL

1 POLE

192077 Superseal Connector Std pkg 10

Terminal: HC-CARGO 192089. Single wire seal: HC-CARGO 192587, 192091.

Cable dia.: 1.5 mm

Type/terminal: Super Seal Connector
Colour: Black
No./poles: 1
Plug: Male

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

192078 Superseal Connector Std pkg 10

Terminal: HC-CARGO 192090. Single wire seal: HC-CARGO 192587, 192091.

Cable dia.: 1.5 mm

Type/terminal: Super Seal Connector
Colour: Black
No./poles: 1
Plug: Female

193266 Superseal Connector Std pkg 5

Terminal: HC-CARGO 192373. Single wire seal: HC-CARGO 192091.

Cable dia.: 2.8 mm

Type/terminal: Super Seal Connector
Colour: Black
No./poles: 1
Plug: Male

193267 Superseal Connector Std pkg 5

Terminal: HC-CARGO 192374. Single wire seal: HC-CARGO 192091.

Cable dia.: 2.8 mm

Type/terminal: Super Seal Connector
Colour: Black
No./poles: 1
Plug: Female

2 POLE

192079 Superseal Connector Std pkg 10

Terminal: HC-CARGO 192089. Single wire seal: HC-CARGO 192587, 192091.

Cable dia.: 1.5 mm

Type/terminal: Super Seal Connector
Colour: Black
No./poles: 2
Plug: Male

192080 Superseal Connector Std pkg 10

Terminal: HC-CARGO 192090. Single wire seal: HC-CARGO 192587, 192091.

Cable dia.: 1.5 mm

Type/terminal: Super Seal Connector
Colour: Black
No./poles: 2
Plug: Female

193268 Superseal Connector Std pkg 5

Terminal: HC-CARGO 192373.

Cable dia.: 2.8 mm

Type/terminal: Super Seal Connector
Colour: Black
No./poles: 2
Plug: Male

193269 Superseal Connector Std pkg 5

Terminal: HC-CARGO 192374. Single wire seal: HC-CARGO 192091.

Cable dia.: 2.8 mm

Type/terminal: Super Seal Connector
Colour: Black
No./poles: 2
Plug: Female

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

193272 Superseal Connector Std pkg 5

Supplied w/ terminals and wire seals.

Cable dia.: 6.3 mm

Type/terminal: Super Seal Connector
Colour: Grey
No./poles: 2
Plug: Female

3 POLE

192081 Superseal Connector Std pkg 10

Terminal: HC-CARGO 192089. Single wire seal: HC-CARGO 192587, 192091.

Cable dia.: 1.5 mm

Type/terminal: Super Seal Connector
Colour: Black
No./poles: 3
Plug: Male

192082 Superseal Connector Std pkg 10

Terminal: HC-CARGO 192090. Single wire seal: HC-CARGO 192587, 192091.

Cable dia.: 1.5 mm

Type/terminal: Super Seal Connector
Colour: Black
No./poles: 3
Plug: Female

193270 Superseal Connector Std pkg 5

Terminal: HC-CARGO 192373. Single wire seal: HC-CARGO 192091.

Cable dia.: 2.8 mm

Type/terminal: Super Seal Connector
Colour: Black
No./poles: 3
Plug: Male

193271 Superseal Connector Std pkg 5

Terminal: HC-CARGO 192374. Single wire seal: HC-CARGO 192091.

Cable dia.: 2.8 mm

Type/terminal: Super Seal Connector
Colour: Black
No./poles: 3
Plug: Female

4 POLE

192083 Superseal Connector Std pkg 10

Terminal: HC-CARGO 192089. Single wire seal: HC-CARGO 192587, 192091.

Cable dia.: 1.5 mm

Type/terminal: Super Seal Connector
Colour: Black
No./poles: 4
Plug: Male

192084 Superseal Connector Std pkg 10

Terminal: HC-CARGO 192090. Single wire seal: HC-CARGO 192587, 192091.

Cable dia.: 1.5 mm

Type/terminal: Super Seal Connector
Colour: Black
No./poles: 4
Plug: Female

5 POLE

192085 Superseal Connector Std pkg 10

Terminal: HC-CARGO 192089. Single wire seal: HC-CARGO 192587, 192091.

Cable dia.: 1.5 mm

Type/terminal: Super Seal Connector
Colour: Black
No./poles: 5
Plug: Male

192086 Superseal Connector Std pkg 10

Terminal: HC-CARGO 192090. Single wire seal: HC-CARGO 192587, 192091.

Cable dia.: 1.5 mm

Type/terminal: Super Seal Connector
Colour: Black
No./poles: 5
Plug: Female

6 POLE

192087 Superseal Connector Std pkg 10

Terminal: HC-CARGO 192089. Single wire seal: HC-CARGO 192587, 192091.

Cable dia.: 1.5 mm

Type/terminal: Super Seal Connector
Colour: Black
No./poles: 6
Plug: Male

192088 Superseal Connector Std pkg 10

Terminal: HC-CARGO 192090. Single wire seal: HC-CARGO 192587, 192091.

Cable dia.: 1.5 mm

Type/terminal: Super Seal Connector
Colour: Black
No./poles: 6
Plug: Female

JUNIOR-TIMER CONNECTOR

2 POLE

192146 Junior Timer Connector Std pkg 10 **Servicing:** HC-CARGO 070203

Terminal: HC-CARGO 191551, 192155, 192175, 192176. Rubber boot: HC-CARGO 192150, 192151. Wire seal: HC-CARGO 192177, 192178.

Type/terminal: Junior Timer
Colour: Black
No./poles: 2
Plug: Female

192166 Junior Timer Connector Std pkg 10

Terminal: HC-CARGO 192174.

Type/terminal: Junior Timer
Colour: Black
No./poles: 2
Plug: Male

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

192884 Holder Std pkg 10

Terminals: HC-CARGO 191551, 192155, 192175, 192176. Wire deal: HC-CARGO 192177, 192178. Rubber cap: HC-CARGO 192150, 192151.

Cable dia.: 2.5 mm

Colour: Black
No./poles: 2
Plug: Female

192902 Junior-Timer-Connector Std pkg 10

Plug 75. Terminal: HC-CARGO 192156, 192157, 192174, 192503. Wire seal: HC-CARGO 192177, 192178. Terminal: HC-CARGO 192998.

Type/terminal: Junior Timer
Colour: Black
No./poles: 2
Plug: Male

7 POLE

192149 Junior Timer Connector Std pkg 10

Terminal: HC-CARGO 191551, 192155, 192175, 192176. Rubber boot: HC-CARGO 192154. Wire seal: HC-CARGO 192177, 192178.

Type/terminal: Junior Timer
Colour: Black
No./poles: 7
Plug: Female

JUNIOR-POWER-TIMER CONNECTOR

2 POLE

192147 Junior Power Timer Connector Std pkg 10

Terminal: HC-CARGO 191551, 192155, 192175, 192176. Wire seal: HC-CARGO 192177, 192178. Rubber boot: HC-CARGO 192152.

Type/terminal: Junior Power Timer
Colour: Black
No./poles: 2
Plug: Female

192167 Junior Power Timer Connector Std pkg 10

Terminal: HC-CARGO 192156, 192157, 192174, 192503. Wire seal: HC-CARGO 192177, 192178.

Type/terminal: Junior Power Timer
Colour: Black
No./poles: 2
Plug: Male

192502 Junior Power Timer Connector Std pkg 10

Terminal: HC-CARGO 192156, 192157, 192174, 192503. Wire seal: HC-CARGO 192177, 192178. Rubber boot: HC-CARGO 192150, 192151.

Type/terminal: Junior Power Timer
Colour: Black
No./poles: 2
Plug: Male

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

193119 Junior Power Timer Connector Std pkg 10

Terminal: HC-CARGO 191551, 192155, 192175, 192176. Wire seal: HC-CARGO 192177, 192178. LED Adapter: HC-CARGO 171835.

Type/terminal: Junior Power Timer
Colour: Black
No./poles: 2
Plug: Female

3 POLE

192148 Junior Power Timer Connector Std pkg 10 **Servicing:** HC-CARGO 193241

Terminal: HC-CARGO 191551, 192155, 192175, 192176. Wire seal: HC-CARGO 192177, 192178. Rubber boot: HC-CARGO 192153.

Type/terminal: Junior Power Timer
Colour: Black
No./poles: 3
Plug: Female

193241 Junior Power Timer Connector Std pkg 10 **Servicing:** HC-CARGO 192148

Terminal: HC-CARGO 192156, 192157, 192174, 192503. Wire seal: HC-CARGO 192177, 192178.

Type/terminal: Junior Power Timer
Colour: Black
No./poles: 3
Plug: Male

4 POLE

192171 Junior Power Timer Connector Std pkg 10

Terminal: HC-CARGO 191551, 192155, 192175, 192176. Wire seal: HC-CARGO 192177, 192178.

Type/terminal: Junior Power Timer
Colour: Black
No./poles: 4
Plug: Female

5 POLE

192172 Junior Power Timer Connector Std pkg 10

Terminal: HC-CARGO 191551, 192155, 192175, 192176. Wire seal: HC-CARGO 192177, 192178.

Type/terminal: Junior Power Timer
Colour: Black
No./poles: 5
Plug: Female

6 POLE

192173 Junior Power Timer Connector Std pkg 10

Terminal: HC-CARGO 191551, 192155, 192175, 192176. Wire seal: HC-CARGO 192177, 192178.

Type/terminal: Junior Power Timer
Colour: Black
No./poles: 6
Plug: Female

JUNIOR-POWER-TIMER ACCESSORIES

192150 Rubber Boot — Std pkg 10 — **Servicing:** HC-CARGO 192502, 192146, 192884

Length: 57 mm

192151 Rubber Boot — Std pkg 10 — **Servicing:** HC-CARGO 192502, 192146, 192884

For 2 pole Junior-timer connector.

Length: 37 mm

192152 Rubber Boot — Std pkg 10 — **Servicing:** HC-CARGO 192147

For 2 pole junior-timer connector. Angled.

Length: 48 mm

192153 Rubber Boot — Std pkg 10 — **Servicing:** HC-CARGO 192148

For 3 pole junior-powertimer connector.

Length: 57 mm

192154 Rubber Boot — Std pkg 10 — **Servicing:** HC-CARGO 192149

For 7 pole junior-timer connector.

Length: 57 mm

TOOLS

EXTRACTION

210643 Ejection Tool — Std pkg 1

For round lug w/ locking tab. For 6.5 mm mounting and dismantability bushing. Dismounting Bushes: HC-CARGO 210644. Contact Insertion Sleeve: HC-CARGO 210645.

210661 Ejection Tool — Std pkg 1 — **Servicing:** HC-CARGO 210675

For round lug w/ locking tab. For 3.3 mm dismantability bushing.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

210667 Ejection Tool Std pkg 1 **Servicing:** HC-CARGO 210675

For flat terminals w/ locking tongues for 3.3 mm receptacle.

210851 Ejection Tool Std pkg 1 **Servicing:** Round terminal, Mini universal - Visit our web catalogue for further information

210918 Ejection Tool Std pkg 1

For Micro Timer II terminals.

210919 Ejection Tool Std pkg 1

To 2.8 mm standard lugs, 6.3 mm standard lugs and Junior Timer lugs.

210921 Ejection Tool Std pkg 1 **Servicing:** HC-CARGO 804081

For junior power timer (male and female lugs) and the standard power timer (male and female lugs). Spare Blade: HC-CARGO 211017, 211018.

SETS

210672 Kabelex Tool Set Std pkg 1

For round plug connector in the plastic box. Contains 10 pcs: 1 pcs. of HC-CARGO 210661, 1 pcs. of HC-CARGO 210643, 2 pcs. of HC-CARGO 210644, 1 pcs. of HC-CARGO 210645.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

SPARE BLADES

211017 Spare Blade — Std pkg 2 — **Servicing:** HC-CARGO 210921 old model

211018 Spare Blade — Std pkg 2 — **Servicing:** HC-CARGO 210921 old model

FOR DEUTSCH-CONNECTOR TERMINALS

210973 Crimping Tools — Std pkg 1 — **Servicing:** Universal crimp tool for solid terminals, DEUTSCH etc - Visit our web catalogue for further information

Dim.: 0.5-2 mm²

211051 Contact Removal Tool — Std pkg 2

For DEUTSCH 0.2-0.5 mm². DEUTSCH 0411-240-2005.

211052 Contact Removal Tool — Std pkg 2

For DEUTSCH 1-2 mm². DEUTSCH 0411-240-1605.

211053 Contact Removal Tool — Std pkg 2

Deutsch. (2-3 mm²).

211120 Contact Removal Tool — Std pkg 1 — **Servicing:** Deutsch DTM, Deutsch 13760 DT RT1 - Visit our web catalogue for further information

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

211127 Contact Removal Tool Std pkg 1

For DEUTSCH 13 mm².

3 POLE

132804 Plug Kit Std pkg 1

HC-CARGO 190725 - 1, HC-CARGO 190726 - 2.

Type/terminal: Flat
Colour: Black
No./poles: 3
Plug: Female

192871 Connector Std pkg 10

Terminal: HC-CARGO 192411.

Colour: Black
No./poles: 3
Plug: Female

4 POLE

190762 Connector Std pkg 1 **Servicing:** Bosch Alternators - Visit our web catalogue for further information

Terminal: HC-CARGO 190252.

Colour: Black
No./poles: 4
Plug: Female

POWER

1 POLE

191405 Power Connecter Std pkg 4

Terminal: HC-CARGO 191263, -264, -983.

Amp: 150

No./poles: 1
Plug: Male

191406 Power Connecter Std pkg 4

Terminal: HC-CARGO 191260, -261, -262.

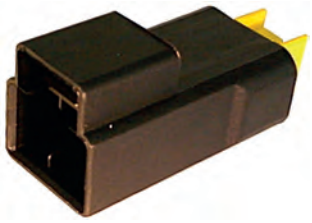
Amp: 150

No./poles: 1
Plug: Female

2 POLE

191407 Power Connecter — Std pkg 4

Terminal: HC-CARGO 191263, -264, -983.

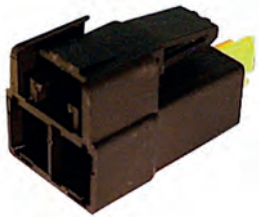


Amp: 150

No./poles: 2
Plug: Male

191408 Power Connector — Std pkg 4

Terminal: HC-CARGO 191260, -261, -262.



Amp: 150

No./poles: 2
Plug: Female

4 POLE

181545 Connector — Std pkg 1 — **Servicing:** HC-CARGO 181476

DIN 72585.

Littelfuse

Amp: 30

Colour: Black
No./poles: 4
Plug: Male

CABLES

FLAT TONGUE

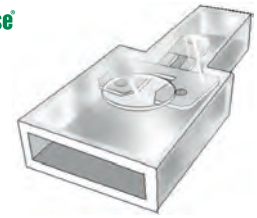
190043 Butt Splices — Std pkg 25

Width: 6.3 mm

Terminal type: Flat
Colour: Transparent
Plugs in: 1
Plugs out: 1

190776 Butt Splices — Std pkg 50

Littelfuse



Width: 6.3 mm

Terminal type: Flat
Colour: Transparent
Plugs in: 1
Plugs out: 2

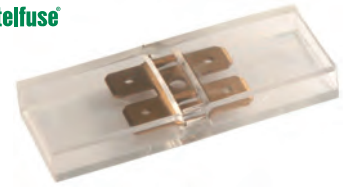
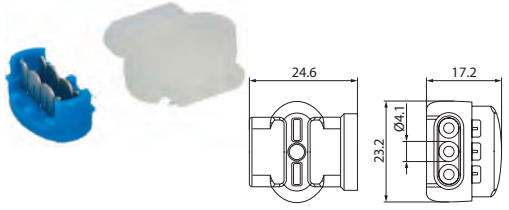
190956 Butt Splices — Std pkg 10

Strip of 12.

Littelfuse

Width: 6.3 mm

Terminal type: Flat
Colour: Transparent

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
192648 Butt Splices Std pkg 25			
Littelfuse 		**Width:** 6.3 mm	**Terminal type:** Flat **Colour:** Transparent **Plugs in:** 1 **Plugs out:** 3
WIRE NUTS			
RED			
191076 Cable Connector Std pkg 50			
		Dim.: 1-2 mm² **Dim. 2:** 0.5-1 mm²	**Colour:** Red **Material:** PP
191077 Cable Connector Std pkg 50			
		Dim.: 0.5-1 mm² **Width:** 19.4 mm	**Colour:** Red **Material:** PP
191485 Cable Connector Std pkg 50			
Cable Connector: HC-CARGO 190876, 191498.			
		Dim.: 0.5-1 mm²	**Colour:** Red **Material:** Nylon
BLUE			
190875 Cable Connector Std pkg 50			
Cable Connector: HC-CARGO 190876.			
		Dim.: 1.5-2.5 mm² **Width:** 9.5 mm	**Colour:** Blue **Material:** Nylon
190971 Cable Connector Std pkg 50			
		Dim.: 1.5-2.5 mm² **Width:** 20.4 mm	**Colour:** Blue **Material:** PP
194460* Cable Connector Std pkg 50			
		**Dim.:** 0.33-2 mm²	**Colour:** Blue **Material:** Nylon **Plugs in:** 3

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

BROWN

191484 Cable Connector Std pkg 50

Dim.: 2.5-4 mm²
Dim. 2: 0.75-2.5 mm²
Width: 21.1 mm

Colour: Brown
Material: PP

RED TRANSPARENT

191498 Cable Connector Std pkg 50 **Servicing:** HC-CARGO 191485

6.3 mm.

Dim.: 0.5-1.5 mm²

Terminal type: Male
Colour: Transparent

TRANSPARENT

190876 Cable Connector Std pkg 50 **Servicing:** HC-CARGO 190875, 191485

6.3 mm.

Dim.: 1.5-2.5 mm²

Terminal type: Male
Colour: Transparent

SCREW TERMINAL

190195 Cable Connector Std pkg 10

Number of 12. Max 24 A.

Dim.: 2.5 mm²

Terminal type: Screw
Colour: Black

190196 Cable Connector Std pkg 10

Number of 12. Max 32 A.

Dim.: 4-6 mm²

Terminal type: Screw
Colour: Black

190197 Cable Connector Std pkg 10

Number of 12. Max 76 A.

Dim.: 16 mm²

Terminal type: Screw
Colour: Black

190911 Cable Connector Std pkg 10

Number of 12. Max 41 A.

Dim.: 10 mm²

Terminal type: Screw
Colour: Black

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

191756 Butt Splices — Std pkg 1

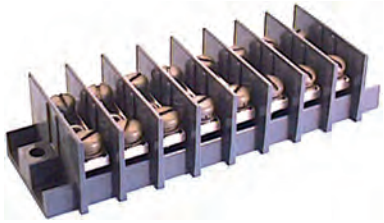
8x6 terminalblock. 25 A. Terminal width: 6.3 mm

Dist. mount. holes: 99 mm

Terminal type: Flat
Material: Polycarbonate
Plugs in: 8
Plugs out: 8

191771 Butt Splices — Std pkg 1

1x8 20 A.



Dist. mount. holes: 99 mm

Terminal type: Screw
Material: Polycarbonate
Plugs in: 8
Plugs out: 8

193011 Terminal Block — Std pkg 1

25 A. Terminal width: 6.3 mm.

Dist. mount. holes: 77.3 mm

Terminal type: Flat
Material: Polycarbonate
Plugs in: 6
Plugs out: 6

BATTERY TERMINALS

BRASS CASTING

25-35 MM²

192368 Battery Terminal — Std pkg 5

Length: 46 mm
Cable size/max: 35 mm²
Cable size/min: 25 mm²
Polarity: Positive

Material: Moulded brass
Alternativ no.: 190012

192369 Battery Terminal — Std pkg 5

Length: 46 mm
Cable size/max: 35 mm²
Cable size/min: 25 mm²
Polarity: Negative

Material: Moulded brass
Alternativ no.: 190013

W/ 10 MM BOLT

192400 Battery Terminal + — Std pkg 5

ID: 18.5 mm
Length: 54 mm
Cable size/max: 70 mm²
Cable size/min: 10 mm²
Cable connection: 10 mm bolt
Polarity: Positive

Material: Moulded brass
Alternativ no.: 190213

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

192401 Battery Terminal - Std pkg 5

ID: 15.9 mm
Length: 54 mm
Cable size/max: 70 mm²
Cable size/min: 10 mm²
Cable connection: 10 mm bolt
Polarity: Negative

Material: Moulded brass
Alternativ no.: 190214

TIN PLATED

190213 Battery Terminal Std pkg 5

ID: 18.5 mm
Cable size/max: 70 mm²
Cable size/min: 10 mm²
Cable connection: 10 mm bolt
Polarity: Positive

Material: Moulded brass
Tin plated: Yes
Alternativ no.: 192400

190214 Battery Terminal Std pkg 5

ID: 15.9 mm
Cable size/max: 70 mm²
Cable size/min: 10 mm²
Cable connection: 10 mm bolt
Polarity: Negative

Material: Moulded brass
Tin plated: Yes
Alternativ no.: 192401

W/ M6 BOLT AND WING NUT

TIN PLATED

191134 Battery Terminal Std pkg 5

w/ wing nut.

ID: 15.9 mm
Length: 54 mm
Cable size/max: 70 mm²
Cable size/min: 6 mm²
Cable connection: 8 mm bolt
Polarity: Negative

Material: Moulded brass
Tin plated: Yes
Alternativ no.: 192403

W/ M10 BOLT AND WING NUT

192402 Battery Terminal Std pkg 5

w/ wing nut.

ID: 18.5 mm
Length: 54 mm
Cable size/max: 70 mm²
Cable size/min: 10 mm²
Pole size: 18 mm
Cable connection: 10 mm bolt
Polarity: Positive

Material: Moulded brass
Alternativ no.: 191133

192403 Battery Terminal Std pkg 5

w/ wing nut.

ID: 15.9 mm
Length: 54 mm
Cable size/max: 70 mm²
Cable size/min: 10 mm²
Pole size: 16 mm
Cable connection: 10 mm bolt
Polarity: Negative

Material: Moulded brass
Alternativ no.: 191134

TIN PLATED

191133 Battery Terminal — Std pkg 5

w/ wing nut.

ID: 18.5 mm
Length: 54 mm
Cable size/max: 70 mm²
Cable size/min: 10 mm²
Cable connection: 10 mm bolt
Polarity: Positive

Material: Moulded brass
Tin plated: Yes
Alternativ no.: 192402

25 MM²

192163 Battery Terminal — Std pkg 5

ID: 19 mm
Cable size/max: 25 mm²
Polarity: Positive

Material: Moulded brass

192164 Battery Terminal — Std pkg 5

ID: 17 mm
Cable size/max: 25 mm²
Polarity: Negative

Material: Moulded brass

W/ SWITCH

192493 Battery Terminal — Std pkg 1

Polarity: Negative

Switch: w/
Material: Moulded brass
Cable w/fuse: Yes

16-35 MM²

TIN PLATED

190012 Battery Terminal — Std pkg 5

ID: 18.5 mm
Cable size/max: 35 mm²
Cable size/min: 16 mm²
Cable connection: 8 mm bolt
Polarity: Positive

Material: Moulded brass
Tin plated: Yes
Alternativ no.: 192368

190013 Battery Terminal — Std pkg 5

ID: 15.9 mm
Cable size/max: 35 mm²
Cable size/min: 16 mm²
Cable connection: 8 mm bolt
Polarity: Negative

Material: Moulded brass
Tin plated: Yes
Alternativ no.: 192369

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

190211 Battery Terminal — Std pkg 5

Servicing: Fiat, Mazda, Suzuki, Nissan - Visit our web catalogue for further information

ID: 13 mm
Cable size/max: 35 mm²
Cable size/min: 16 mm²
Polarity: Positive

Material: Moulded brass
Tin plated: Yes

190212 Battery Terminal — Std pkg 5

Servicing: Fiat, Mazda, Suzuki, Nissan - Visit our web catalogue for further information

ID: 11.2 mm
Cable size/max: 35 mm²
Cable size/min: 16 mm²
Polarity: Negative

Material: Moulded brass
Tin plated: Yes

35-70 MM²

TIN PLATED

191166 Battery Terminal — Std pkg 5

ID: 18.5 mm
Cable size/max: 70 mm²
Cable size/min: 35 mm²
Polarity: Positive

Material: Moulded brass
Tin plated: Yes

191167 Battery Terminal — Std pkg 5

ID: 15.9 mm
Cable size/max: 70 mm²
Cable size/min: 35 mm²
Polarity: Negative

Material: Moulded brass
Tin plated: Yes

35-95 MM²

TIN PLATED

193000 Battery Terminal — Std pkg 5

Heavy duty.

ID: 18.5 mm
Cable size/max: 95 mm²
Cable size/min: 35 mm²
Polarity: Positive

Material: Moulded brass
Tin plated: Yes

193001 Battery Terminal — Std pkg 5

Heavy duty.

ID: 15.9 mm
Cable size/max: 95 mm²
Cable size/min: 35 mm²
Polarity: Negative

Material: Moulded brass
Tin plated: Yes

TIN PLATED W/DOUBLE SCREW

190866 Battery Terminal Std pkg 5

w/ double screws and screw for AUX.

ID: 18.5 mm
Cable size/max: 95 mm²
Cable size/min: 35 mm²
Cable connection: Dual
Polarity: Positive

Material: Moulded brass
Tin plated: Yes

190867 Battery Terminal Std pkg 5

w/ double screws and screw for AUX.

ID: 15.9 mm
Cable size/max: 95 mm²
Cable size/min: 35 mm²
Cable connection: Dual
Polarity: Negative

Material: Moulded brass
Tin plated: Yes

35 MM²

TIN PLATED

191244 Battery Terminal Std pkg 5

ID: 18.5 mm
Cable size/max: 35 mm²
Cable size/min: 35 mm²
Polarity: Positive

Material: Moulded brass
Tin plated: Yes

191245 Battery Terminal Std pkg 5

ID: 15.9 mm
Cable size/max: 35 mm²
Cable size/min: 35 mm²
Polarity: Negative

Material: Moulded brass
Tin plated: Yes

50 MM²

TIN PLATED

190202 Battery Terminal Std pkg 5

ID: 18.5 mm
Cable size/max: 50 mm²
Cable size/min: 50 mm²
Polarity: Positive

Material: Moulded brass
Tin plated: Yes

190203 Battery Terminal Std pkg 5

ID: 15.9 mm
Cable size/max: 50 mm²
Cable size/min: 50 mm²
Polarity: Negative

Material: Moulded brass
Tin plated: Yes

70 MM²

TIN PLATED

191989 Battery Terminal — Std pkg 5

ID: 18.5 mm
Cable size/max: 70 mm²
Cable size/min: 70 mm²
Polarity: Positive

Material: Moulded brass
Tin plated: Yes

191990 Battery Terminal — Std pkg 5

ID: 15.9 mm
Cable size/max: 70 mm²
Cable size/min: 70 mm²
Polarity: Negative

Material: Moulded brass
Tin plated: Yes

193166 Battery Terminal — Std pkg 5

ID: 18.5 mm
Length: 50 mm
Cable size/max: 70 mm²
Cable size/min: 10 mm²
Polarity: Positive

Material: Moulded brass
No./connections: 2
Tin plated: Yes

193167 Battery Terminal — Std pkg 5

ID: 15.9 mm
Length: 50 mm
Cable size/max: 70 mm²
Cable size/min: 10 mm²
Polarity: Negative

Material: Moulded brass
No./connections: 2
Tin plated: Yes

ACCESSORIES

190215 Nut & Bolt — Std pkg 100

Collar length: 38 mm
Thread size: M8

Material: Moulded brass

192681 Terminal Cover — Std pkg 10

Cable dia.: 17 mm
Length: 52 mm
Height: 22 mm
Width: 35 mm

Colour: Red
Material: PVC

192682 Terminal Cover — Std pkg 10

Cable dia.: 17 mm
Length: 52 mm
Height: 22 mm
Width: 35 mm

Colour: Black
Material: PVC

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
192888 Terminal Cover Right + Std pkg 10			
Right +.			
		Cable dia.: 17 mm **Length:** 52 mm **Height:** 22 mm **Width:** 35 mm	**Colour:** Red **Material:** PVC
192889 Terminal Cover Left - Std pkg 10			
Left -.			
		Cable dia.: 17 mm **Length:** 52 mm **Height:** 22 mm **Width:** 35 mm	**Colour:** Black **Material:** PVC
192890 Terminal Cover Left+ Std pkg 10			
Left +.			
		Cable dia.: 17 mm **Length:** 52 mm **Height:** 22 mm **Width:** 35 mm	**Colour:** Red **Material:** PVC
192891 Terminal Cover Right - Std pkg 10			
Right -.			
		Cable dia.: 17 mm **Length:** 52 mm **Height:** 22 mm **Width:** 35 mm	**Colour:** Black **Material:** PVC
FORMPRESSED			
25-40 MM²			
17 MM			
192075 Battery Terminal Std pkg 5			
		ID: 17 mm **Cable size/max:** 40 mm² **Cable size/min:** 25 mm² **Polarity:** Negative	**Material:** Compressed **No./connections:** 1
192076 Battery Terminal Std pkg 5			
For M8 stud connection.			
		ID: 17 mm **Cable size/max:** 40 mm² **Cable size/min:** 25 mm² **Polarity:** Positive	**Material:** Compressed **No./connections:** 1
19 MM			
191820 Battery Terminal Std pkg 1			
		ID: 19 mm **Cable size/max:** 40 mm² **Cable size/min:** 25 mm² **Polarity:** Positive	**Material:** Compressed **No./connections:** 2

3 TERMINAL OUTLETS

191821 Battery Terminal — Std pkg 1

ID: 19 mm
Polarity: Positive

Material: Compressed
No./connections: 3

192234 Battery Terminal — Std pkg 1

ID: 17 mm
Polarity: Negative

Material: Compressed
No./connections: 3

10-20 MM²

17 MM

192074 Battery Terminal — Std pkg 5

ID: 17 mm
Cable size/max: 20 mm²
Cable size/min: 10 mm²
Polarity: Negative

Material: Compressed
No./connections: 1

FOR FRENCH APPLICATIONS

190253 Battery Terminal — Std pkg 5 — **Servicing:** French applications - Visit our web catalogue for further information

ID: 19 mm
Polarity: Positive

Colour: Red
Material: Compressed

190254 Battery Terminal — Std pkg 5 — **Servicing:** French applications - Visit our web catalogue for further information

ID: 17 mm
Polarity: Negative

Colour: Green
Material: Compressed

LEADS AND EARTH STRAPS

190218 Battery Connection Cable — Std pkg 1

ID/eye: 1.04 mm
Length: 300 mm
Cable size/max: 35 mm²
Angled: 90°
Polarity: Pos./Neg.

Type no.: 2612
No./wires: 1008/0.2

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
190220 Earth Strap Std pkg 1			
	Amp: 110	**ID/eye:** 1.14 mm **Length:** 200 mm **Cable size/max:** 22 mm²	**Type no.:** 308 **No./wires:** 432/0.26
190221 Earth Strap Std pkg 1			
	Amp: 110	**ID/eye:** 1.14 mm **Length:** 250 mm **Cable size/max:** 22 mm²	**Type no.:** 310 **No./wires:** 432/0.26
190222 Earth Strap Std pkg 1			
	Amp: 110	**ID/eye:** 1.14 mm **Length:** 300 mm **Cable size/max:** 22 mm²	**Type no.:** 312 **No./wires:** 432/0.26
190223 Earth Strap Std pkg 1			
	Amp: 110	**ID/eye:** 1.14 mm **Length:** 350 mm **Cable size/max:** 22 mm²	**Type no.:** 314 **No./wires:** 432/0.26
190224 Earth Strap Std pkg 1			
	Amp: 110	**ID/eye:** 1.14 mm **Length:** 400 mm **Cable size/max:** 22 mm²	**Type no.:** 316 **No./wires:** 432/0.26
190225 Earth Strap Std pkg 1			
	Amp: 110	**ID/eye:** 1.14 mm **Length:** 450 mm **Cable size/max:** 22 mm²	**Type no.:** 318 **No./wires:** 432/0.26
190226 Earth Strap Std pkg 1			
	Amp: 110	**ID/eye:** 1.14 mm **Length:** 500 mm **Cable size/max:** 22 mm²	**Type no.:** 320 **No./wires:** 432/0.26
190228 Earth Strap Std pkg 2			
	Amp: 82	**ID/eye:** 1.14 mm **Length:** 200 mm **Cable size/max:** 16 mm²	**Type no.:** 408 **No./wires:** 228/0.25

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
190229 Earth Strap Std pkg 2			
	Amp: 82	**ID/eye:** 1.14 mm **Length:** 250 mm **Cable size/max:** 16 mm²	**Type no.:** 410 **No./wires:** 228/0.25
190230 Earth Strap Std pkg 2			
	Amp: 82	**ID/eye:** 1.14 mm **Length:** 350 mm **Cable size/max:** 16 mm²	**Type no.:** 414 **No./wires:** 228/0.25
190231 Earth Strap Std pkg 2			
	Amp: 82	**ID/eye:** 1.14 mm **Length:** 400 mm **Cable size/max:** 16 mm²	**Type no.:** 418 **No./wires:** 228/0.25
190232 Earth Strap Std pkg 2			
	Amp: 82	**ID/eye:** 1.14 mm **Length:** 450 mm **Cable size/max:** 16 mm²	**Type no.:** 418 **No./wires:** 228/0.25
190235 Starter Cable Std pkg 1			
		ID/eye: 1.04 mm **Length:** 300 mm **Cable size/max:** 25 mm² **Polarity:** Positive	**Type no.:** 510 **No./wires:** 742/0.2
190237 Starter Cable Std pkg 1			
		ID/eye: 1.04 mm **Length:** 500 mm **Cable size/max:** 25 mm² **Polarity:** Positive	**Type no.:** 520 **No./wires:** 742/0.2
190239 Starter Cable Std pkg 1			
		ID/eye: 1.04 mm **Length:** 700 mm **Cable size/max:** 25 mm² **Polarity:** Positive	**Type no.:** 528 **No./wires:** 742/0.2

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

190242 Starter Cable — Std pkg 1

ID/eye: 1.04 mm
Length: 1000 mm
Cable size/max: 25 mm²
Polarity: Positive

Type no.: 540
No./wires: 742/0.2

191679 Battery Connection Cable — Std pkg 1

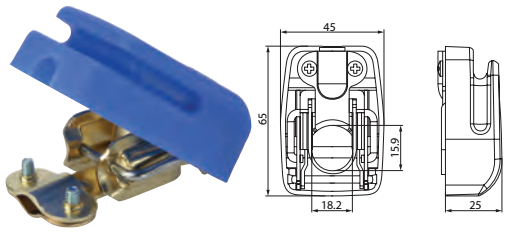
Length: 275 mm
Cable size/max: 50 mm²
Angled: 90º
Polarity: Pos./Neg.

Type no.: 2712
No./wires: 378/0.41

QUICK RELEASE TERMINAL

193369 Quick release terminal - — Std pkg 1

Positive: HC-CARGO 193370.

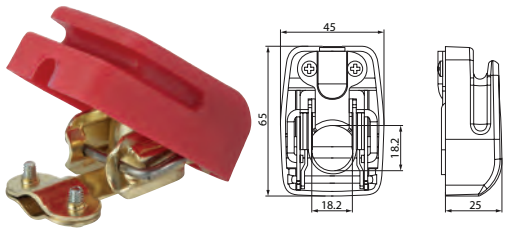


Dim.: 65x45x25 mm
ID: 18.2 mm
Cable size/max: 35 mm²
Angled: 0-45º
Polarity: Negative

Colour: Blue
Material: Copper
Tin plated: No
Pcs.: 1
Alternativ no.: 193371

193370 Quick release terminal + — Std pkg 1

Negative: HC-CARGO 193369.

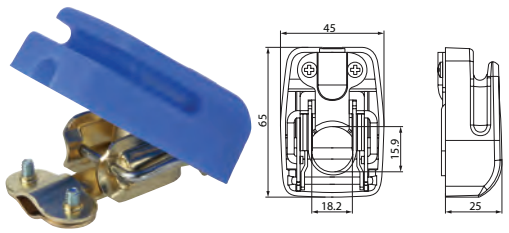


Dim.: 65x45x25 mm
ID: 18.2 mm
Cable size/max: 35 mm²
Angled: 0-45º
Polarity: Positive

Colour: Red
Material: Copper
Tin plated: No
Pcs.: 1
Alternativ no.: 193372

193371 Quick release terminal - — Std pkg 25

Positive: HC-CARGO 193372.

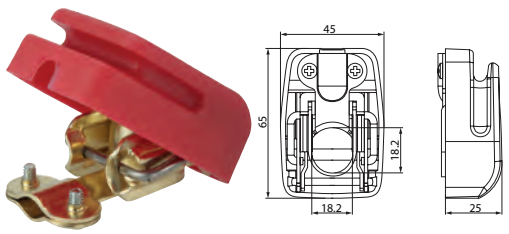


Dim.: 65x45x25 mm
ID: 18.2 mm
Cable size/max: 35 mm²
Angled: 0-45º
Polarity: Negative

Colour: Blue
Material: Copper
Tin plated: No
Pcs.: 25
Alternativ no.: 193369

193372 Quick release terminal + — Std pkg 25

Negative: HC-CARGO 193371.



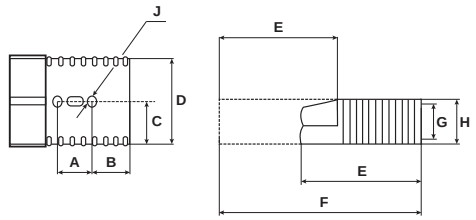
Dim.: 65x45x25 mm
ID: 18.2 mm
Cable size/max: 35 mm²
Angled: 0-45º
Polarity: Positive

Colour: Red
Material: Copper
Tin plated: No
Pcs.: 25
Alternativ no.: 193370

INDUSTRIAL BATTERY CONNECTORS

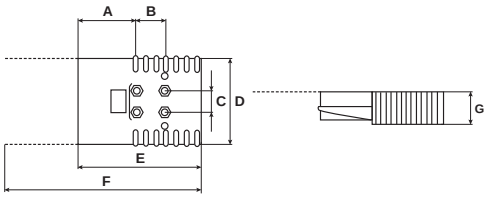
CB Series Details

	CB 50	CB 175	CB 350
	mm	mm	mm
A	19	28.5	28.5
B	6.4	11	35
C	18.2	27	35
D	36.5	55.6	69.8
E	47.6	79.4	108
F	80.9	133.3	182.6
G	11.5	19	27
H	15.9	25.4	33.3
J	3.7	6.7	6.7



CBX Series Details

	CBX 175	CBX 350
	mm	mm
A	49.2	61.9
B	28.5	28.5
C	15.9	15.9
D	71.2	85.7
E	85.3	125.4
F	146.3	200
G	25.5	33.3



50 AMPERE

CB50	HC-CARGO	Std pkg	Max V	Amp	Temp. class °C	Colour	Cable size	Terminals	Handle	Dust cap
	180530	Pkg. 1	600	50	-40 - +125	Grey	6 mm²	180390	180548	180516
	180531	Pkg. 1	600	50	-40 - +125	Red	6 mm²	180390	180548	180516
	180532	Pkg. 1	600	50	-40 - +125	Black	6 mm²	180390	180548	180516
	180381	Pkg. 1	600	50	-40 - +125	Grey	16 mm²	180535	180548	180516
	180382	Pkg. 1	600	50	-40 - +125	Red	16 mm²	180535	180548	180516
	180383	Pkg. 1	600	50	-40 - +125	Black	16 mm²	180535	180548	180516

SPARE PARTS

180390 Terminals — Std pkg 1 — **Servicing:** HC-CARGO 180381, -382, -383

Voltage: 600
Amp: 50
Cable dim.: 16 mm²

180535 Terminals — Std pkg 1 — **Servicing:** HC-CARGO 180530, -531, -532

Voltage: 600
Amp: 50
Cable dim.: 6 mm²

ACCESSORIES

180548 Handle — Std pkg 1 — **Servicing:** HC-CARGO 180381, -382, -383, -530, -531, -532

Colour: Red

181516 Dust Cap — Std pkg 1 — **Servicing:** CB50

80 AMPERE

NF80	HC-CARGO	Std pkg	Max V	Amp	Temp. class	Colour	Heading type	Cable size
	180542	Pkg. 1	150	80	-20°C - +90°C	Black	Female	25 mm²
	180543	Pkg. 1	150	80	-20°C - +90°C	Black	Male	25 mm²
	180562	Pkg. 1	150	80	-20°C - +90°C	Black	Female	16 mm²
	180563	Pkg. 1	150	80	-20°C - +90°C	Black	Male	16 mm²

100 AMPERE

CB100	HC-CARGO	Std pkg	Max V	Amp	Temp. class	Colour	Heading type	Cable size	Handle
	181501	Pkg. 1	150	100	-20°C - +90°C	Black	Female	16 mm²	181505 (R)
	181502	Pkg. 1	150	100	-20°C - +90°C	Black	Male	16 mm²	181505 (R)
	181503	Pkg. 1	150	100	-20°C - +90°C	Black	Female	25 mm²	181505 (R)
	181504	Pkg. 1	150	100	-20°C - +90°C	Black	Male	25 mm²	181505 (R)

ACCESSORIES

181505 Handle — Std pkg 1 — **Servicing:** HC-CARGO 181501, 181502, 181503, 181504

Colour: Red

160 AMPERE

NF160	HC-CARGO	Std pkg	Max V	Amp	Temp. class °C	Colour	Heading type	Cable size	Reducing bush	Handle
	181519	Pkg. 1	150	160	-20 - +90	Black	Female	50 mm²	181521	180380 (B)
	181520	Pkg. 1	150	160	-20 - +90	Black	Male	50 mm²	181521	Already present

ACCESSORIES

180380 Handle — Std pkg 1 — **Servicing:** HC-CARGO 180395, 180396, 181519, 181520

Colour: Black

181521 Reducer Kit — Std pkg 1 — **Servicing:** HC-CARGO 181519, 181520

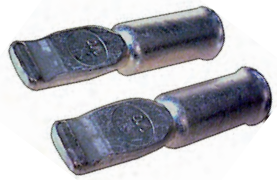
Voltage: 150
Amp: 160
Cable dim.: 50/35 mm²

175 AMPERE

CB175	HC-CARGO	Std pkg	Max V	Amp	Temp. class °C	Colour	Heading type	Cable size	Terminals	Handle	Dust cap
	180384	Pkg. 1	600	175	-40 - +125	Grey	Female	50 mm²	180392	180549 (G) 180391 (R)	180517
	180385	Pkg. 1	600	175	-40 - +125	Red	Female	50 mm²	180392	180549 (G) 180391 (R)	180517
	180537	Pkg. 1	600	175	-40 - +125	Grey	Female	50 mm²	180554	180549 (G) 180391 (R)	
	180538	Pkg. 1	600	175	-40 - +125	Red	Female	50 mm²	180554	180549 (G) 180391 (R)	
	180533	Pkg. 1	600	175	-40 - +125	Grey	Female	35 mm²	180536	180549 (G) 180391 (R)	180517
	180534	Pkg. 1	600	175	-40 - +125	Red	Female	35 mm²	180536	180549 (G) 180391 (R)	180517

SPARE PARTS

180392 Terminals — Std pkg 1 — **Servicing:** HC-CARGO 180384, -385



Voltage: 600
Amp: 175
Cable dim.: 50 mm²

180536 Terminals — Std pkg 1 — **Servicing:** HC-CARGO 180533, 180534

Voltage: 600
Amp: 175
Cable dim.: 35 mm²

180554 Terminals — Std pkg 1 — **Servicing:** HC-CARGO 180537, -538

Voltage: 600
Amp: 175
Cable dim.: 50 mm²

ACCESSORIES

180391 Handle — Std pkg 1 — **Servicing:** HC-CARGO 180533, -534, -537, -538, -384, -385

Colour: Red

180549 Handle — Std pkg 1 — **Servicing:** HC-CARGO 180533, -534, -537, -538, -384, -385

Colour: Grey

181517 Dust Cap — Std pkg 1 — **Servicing:** CB175

250 AMPERE

Y250	HC-CARGO	Std pkg	Max V	Amp	Colour	Heading type	Cable size	Terminals	Handle	Self close lid
	180580	Pkg. 1	150	250	Yellow	Male	50 mm²	180582	180328	181329
	180581	Pkg. 1	250	250	Black	Female	50 mm²	180583	180328	181329

SPARE PARTS

181605 Terminals — Std pkg 1 — **Servicing:** HC-CARGO 180581

Amp: 250 — **Gender:** Female

181606 Terminals — Std pkg 1 — **Servicing:** HC-CARGO 180580

Amp: 250 — **Gender:** Male

ACCESSORIES

180582 Terminals — Std pkg 1 — **Servicing:** HC-CARGO 180580

Single delivered.

Amp: 250 — **Gender:** Male

180583 Terminals — Std pkg 1 — **Servicing:** HC-CARGO 180581

Single delivered.

Amp: 250 — **Gender:** Female

181328 Rubber Boot — Std pkg 1 — **Servicing:** HC-CARGO 180580

Protection degree: IP 66

181329 Lid — Std pkg 1 — **Servicing:** HC-CARGO 180581

Self-closed.

300 AMPERE

E300	HC-CARGO	Std pkg	Max V	Amp	Colour	Cable size	Terminals
	180575	Pkg. 1	250	300	Yellow	70 mm²	w/brazed solid silver tip
	180577	Pkg. 1	250	300	Yellow	70 mm²	w/brazed solid silver tip

320 AMPERE

NF320	HC-CARGO	Std pkg	Max V	Amp	Temp. class °C	Colour	Heading type	Cable size	Aux terminals
	180395	Pkg. 1	150	320	-20 - +90	Black	Female	90/70 mm²	180916
	180396	Pkg. 1	150	320	-20 - +90	Black	Male	90/70 mm²	

ACCESSORIES

180616 Terminals — Std pkg 1 — **Servicing:** HC-CARGO 180395

Voltage: 150
Amp: 160
Type: Female

350 AMPERE

CB350	HC-CARGO	Std pkg	Max V	Amp	Temp. class °C	Colour	Heading type	Cable size	Handle
	180386	Pkg. 1	600	350	-40 - +125	Grey	Female	70 mm²	180550 (G)
	180387	Pkg. 1	600	350	-40 - +125	Red	Female	70 mm²	180550 (G)

CBX350	HC-CARGO	Std pkg	Max V	Amp	Temp. class °C	Colour	Heading type	Cable size	Handle
	180551	Pkg. 1	600	350	-40 - +125	Grey	Female	70 mm²	180550 (G)
	180552	Pkg. 1	600	350	-40 - +125	Red	Female	70 mm²	180550 (G)

ACCESSORIES

180550 Handle — Std pkg 1 — **Servicing:** HC-CARGO 180386, -387, 180551, -552

Colour: Grey

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

PLUGS & SOCKETS

DIN AND CIGARETTE LIGHTER

160294 Cigarette Lighter — Std pkg 1

Universal.

Voltage: 12

Light: w/o

160300 Cigarette Lighter — Std pkg 1

Universal.

Voltage: 12

Light: w/

160551 Cigarette Lighter — Std pkg 1

Universal.

Voltage: 24

Light: w/

SOCKETS

160409 Lighter Socket — Std pkg 1

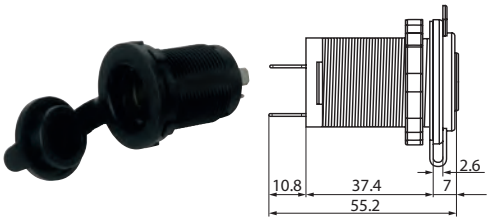
Universal.

Voltage: 12-24
Amp: 20

Light: w/o
Cap: w/
Resistor: w/o
DIN norm: 53 505

161717 Lighter Socket — Std pkg 1

Panel: HC-CARGO 181679, 181680, 181681.



Voltage: 12/24
Amp: 20

Dia.: 36.8 mm
ID/mount. hole: 29 mm

Cap: w/
Male/female: Female

180038 DIN Socket — Std pkg 5

Standard DIN. w/ Thread.

Littelfuse

ID/mount. hole: 18.5 mm

Material: Nickel plated brass
No./mounting holes: 1
Cap: w/
Male/female: Female
DIN norm: 72591
ISO norm: 4165

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

180115 DIN Socket — Std pkg 1

Universal. DIN Plug: HC-CARGO 180113.

Dist. mount. holes: 46 mm

Material: Cast aluminum
No./mounting holes: 2
No./poles: 2
Male/female: Female
DIN norm: 72591
ISO norm: 4165

180157 DIN Socket — Std pkg 5

Standard DIN. w/ Thread.

ID/mount. hole: 18.5 mm

Material: Nickel plated brass
No./poles: 2
Cap: w/
Male/female: Female
DIN norm: 72591
ISO norm: 4165

180354 Coupling Socket — Std pkg 1

DIN - coupling socket extension connector, universal. Standard.

No./poles: 1
Male/female: Female

180376 DIN Socket — Std pkg 5 — **Servicing:** HC-CARGO 170292, 170387, 170788, 170789

Also used in sockets for beacons. Standard DIN. w/ Thread.

ID/mount. hole: 18.5 mm

Material: Brass
No./poles: 1
Male/female: Female
DIN norm: 72591

180377 DIN Socket — Std pkg 5 — **Servicing:** HC-CARGO 170405, 170406, 170419, 170460, 170531, 170537, 170562, 171576

Also used in sockets for beacons.

ID/mount. hole: 18.5 mm

Material: Brass
No./poles: 2
Male/female: Female
DIN norm: 72591

181275 DIN Socket — Std pkg 5

Standard DIN. w/ Thread.

ID/mount. hole: 18.5 mm

No./poles: 2
Cap: w/
Male/female: Female
DIN norm: 72591
ISO norm: 4165
Alternativ no.: 180157

181548 Twin Socket Cigar Adapter — Std pkg 1

w/ 60 cm cable.

Voltage: 12
Amp: 15

Dia.: 65 mm

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

181549 Twin Socket Cigar Adapter Std pkg 1

Voltage: 12
Amp: 15

181550 Twin Socket Cigar Adapter Std pkg 1

w/ 2 USB plugs. Cable lenght: 650 mm. USB Charging Kit: HC-CARGO 181602. Rocker Switch (off/on).

Voltage: 12-24
Amp: 10

181575 Socket Std pkg 1

Universal. w/ 30 cm cable 0.8 mm².

No./poles: 1
Male/female: Female

181616 DIN Socket Std pkg 1

300 mm cable. Standard DIN.

Voltage: 6-24
Amp: 16

Cable dim.: 2x2.5 mm²
Mount. hole dia.: 18.4 mm
Temp.: -40 - +105 °C
Connection: Cable

Mount.: Screw
Colour: Black
Material: Shockproof plastic
No./poles: 2
Connection: Cable
Male/female: Female
ISO norm: 4165
Protection degree: IP 67

181631 USB Adapter Std pkg 1

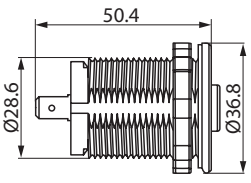
2 horizontally built-in ports, charging two USB devices simultaneously. USB Charging Kit: HC-CARGO 181602.

Voltage: 12-24
Amp: 2.1

Colour: White/yellow
Material: Polycarbonate

181678 USB Sockets Std pkg 1

Panel: HC-CARGO 181679, 181680, 181681.



Voltage: 12/24
Amp: 2.1

ID/mount. hole: 29 mm

Colour: Black
Light: w/
Cap: w/

PLUGS

180113 DIN Plug Std pkg 5 **Servicing:** HC-CARGO 180115

Universal.

Material: Plastic
No./poles: 2
Male/female: Male
DIN norm: 72591
ISO norm: 4165

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

180230 DIN Plug — Std pkg 5

Universal plug suitable for all cigarette lighter sockets. Also suitable for standard DIN socket.

Voltage: 12/24
Amp: <8

Material: Plastic
No./poles: 2
Male/female: Male
ISO norm: 4165

180287 DIN Plug — Std pkg 1

Universal plug suitable for all cigarette lighter sockets. Also suitable for standard DIN socket. w/ built-in 8 A fuse.

Voltage: 12/24

Material: Plastic
No./poles: 2
Male/female: Male
ISO norm: 4165

180399 DIN Plug — Std pkg 5

Universal. Standard DIN.

Voltage: 12/24

Material: Plastic
No./poles: 2
Male/female: Male

ACCESSORIES

171518 Coiled Cable — Std pkg 1 — **Servicing:** HC-CARGO 170292, 170387, 170405, 170788, 170406, 170562, 170789, 170537, 171576, 170419, 170460

Working length: 2 m

Plug type: Cigar plug
Plug 1: 2
ISO norm: 4165

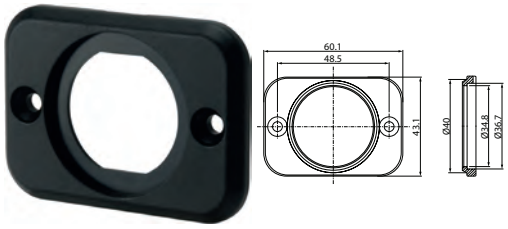
171562 Coiled Cable — Std pkg 1 — **Servicing:** HC-CARGO 171494, 171495

Working length: 3 m

Plug type: Cigar plug

181679 Panel — Std pkg 1 — **Servicing:** HC-CARGO 181678

1 hole.

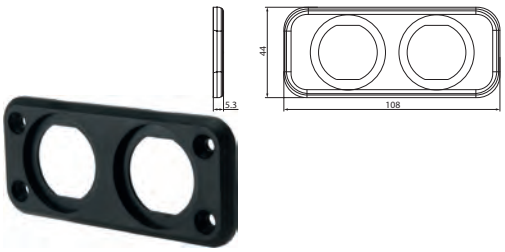


Colour: Black

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

181680 Panel — Std pkg 1 — **Servicing:** HC-CARGO 181678

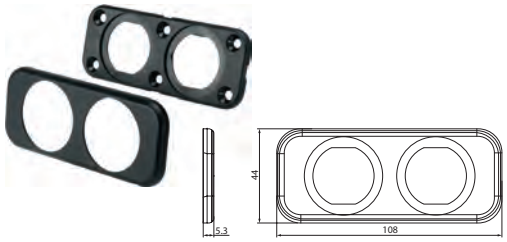
2 holes.



Colour: Black

181681 Panel — Std pkg 1 — **Servicing:** HC-CARGO 181678

2 holes.



Mount. hole size: 4.3 mm

Colour: Black
Material: Plastic

ADAPTERS - 12/24 V

7-7 PIN

180201 Trailer Adapter — Std pkg 1

Voltage: 24/12

Plug type: 24N, 12N
Plug 1: 7
Plug 2: 7
ISO norm: 1724
ISO norm 2: 1185

ADAPTERS 12 V

7-13 PIN

180221 Trailer Adapter — Std pkg 1

Voltage: 12

Cable length: 1 mm

Plug 1: 7
Plug 2: 13
Cable: w/
ISO norm: 11446
ISO norm 2: 1724

180373 Trailer Adapter — Std pkg 1

Voltage: 12

Cable length: 0.1 mm

Plug 1: 7
Plug 2: 13
Cable: w/
ISO norm: 11446
ISO norm 2: 1724

181273 Trailer Adapter — Std pkg 1

Extremely compact.

Voltage: 12

Plug 1: 7
Plug 2: 13
ISO norm: 1724
ISO norm 2: 11446
Alternativ no.: 182497

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

181461 Trailer Adapter — Std pkg 1 — **Servicing:** Hobby and Hymer caravans - Visit our web catalogue for further information

Connect pos. 2/54 on 7-pin to pos. 9 and 10 on 13-pin. (continuous power supply) and connect 3/31 on 7-pin to pos. 3.11 and 13 on 13-pin.

Voltage: 12

Plug 1: 7
Plug 2: 13
ISO norm: 1724
ISO norm 2: 11446

181677 Trailer Adapter — Std pkg 1

Littelfuse

Voltage: 12

Plug 1: 7
Plug 2: 13
ISO norm: 1724
ISO norm 2: 11446

182497* Trailer Adapter — Std pkg 1

Extremely compact.

Voltage: 12

Plug 1: 7
Plug 2: 13
ISO norm: 1724
ISO norm 2: 11446
Alternativ no.: 181273

13-7 PIN

180213 Trailer Adapter — Std pkg 1

Voltage: 12

Cable length: 0.8 mm

Plug 1: 13
Plug 2: 7
Cable: w/
ISO norm: 11446
ISO norm 2: 1724

180298 Trailer Adapter — Std pkg 1

Littelfuse

Voltage: 12

Plug 1: 13
Plug 2: 7
Cable: w/
ISO norm: 11446
ISO norm 2: 1724

180305 Trailer Adapter — Std pkg 1

Littelfuse

Voltage: 12

Plug 1: 13
Plug 2: 7
ISO norm: 11446
ISO norm 2: 1724
Alternativ no.: 182502

180332 Trailer Adapter — Std pkg 1

Voltage: 12

Plug type: Multicon
Plug 1: 13
Plug 2: 7-13
ISO norm: 11446
ISO norm 2: 1724

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

180574 Trailer Adapter — Std pkg 1

Voltage: 12

Cable length: 0.3 mm

Plug type: 12N/12S
Plug 1: 13
Plug 2: 7
Cable: w/
ISO norm: 11446
ISO norm 2: 1724

180606 Trailer Adapter — Std pkg 1

Extremely compact.

Voltage: 12

Plug 1: 13
Plug 2: 7
ISO norm: 11446
ISO norm 2: 1724
Alternativ no.: 182491

182491* Trailer Adapter — Std pkg 1

Extremely compact.

Voltage: 12

Plug 1: 13
Plug 2: 7
ISO norm: 11446
ISO norm 2: 1724
Alternativ no.: 180606

182502* Trailer Adapter — Std pkg 1

Voltage: 12

Plug 1: 13
Plug 2: 7
ISO norm: 11446
ISO norm 2: 1724
Alternativ no.: 180305

15-7 PIN

180327 Trailer Adapter — Std pkg 1

w/ 42 windings.

Voltage: 24

Cable dim.: 6x1+1x2.5 mm²
Cable length: 3.5 mm

Plug type: 24N/24S, Europe
Colour: Black
Material: Polyurethan
Plug 1: 15
Plug 2: 2x7
Cable: w/
ISO norm: 12098
ISO norm 2: 1185
ISO norm 3: 3731

180622 Trailer Adapter — Std pkg 1

Voltage: 24

Plug type: 24N/24S
Plug 1: 15
Plug 2: 7
ISO norm: 12098
ISO norm 2: 1185
ISO norm 3: 3721

TRAILER SOCKETS - 12 V

3 PIN

180306 Socket — Std pkg 1

Voltage: 12
Amp: 5/25/25

Connection: Terminal

Colour: Black
Material: Plastic
No./poles: 3
Connection: Terminal
Male/female: Female

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

180307 Socket — Std pkg 1 — **Servicing:** HC-CARGO 180308

Littelfuse

Voltage: 12
Amp: 5/25/25

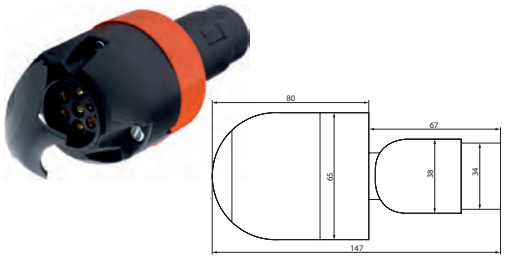
Connection: Terminal

Colour: Black
Material: Plastic
No./poles: 3
Connection: Terminal
Male/female: Female
DIN norm: 9680

7 PIN

172213 LED Trailer Adapter — Std pkg 1

w/ built-in resistor.



Voltage: 12

Plug type: 12N, 12N
Plug 1: 7
Plug 2: 7
ISO norm: 11452-5
ISO norm 2: 11452-2
ISO norm 3: 7637

180110 Trailer Socket — Std pkg 5 — **Servicing:** HC-CARGO 180107, 180108, 180147, 181547

Rubber Gasket: HC-CARGO 180249. Mounting Bracket: HC-CARGO 181583.

Littelfuse

Voltage: 12

Connection: Screw

Plug type: 12N
Colour: Black
Material: Shock thermo plastic
No./poles: 7
Connection: Screw
Male/female: Female
DIN norm: 72577
ISO norm: 1724
Alternativ no.: 182485

180150 Coupling Socket — Std pkg 1 — **Servicing:** HC-CARGO 180107, 180108, 180147, 181547

Littelfuse

Voltage: 12

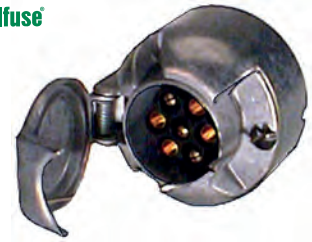
Connection: Screw

Plug type: 12N
Colour: Black
Material: Shock thermo plastic
No./poles: 7
Connection: Screw
Male/female: Female
DIN norm: 72579
ISO norm: 1724
Alternativ no.: 182501

180218 Trailer Socket — Std pkg 5 — **Servicing:** HC-CARGO 180107, 180108, 180147, 181547

Rubber Gasket: HC-CARGO 180249, 181612, 181628. Mounting Bracket: HC-CARGO 181583.

Littelfuse



Voltage: 12

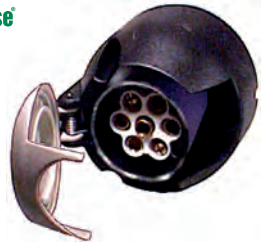
Connection: Screw

Plug type: 12N
Colour: Aluminium
Material: Cast aluminum
No./poles: 7
Connection: Screw
Male/female: Female
DIN norm: 72577
ISO norm: 1724
Alternativ no.: 182495

180239 Trailer Socket — Std pkg 5 — **Servicing:** HC-CARGO 180238

w/ changed central contact 7/58L. w/ grey cap. Rubber Gasket: HC-CARGO 180249. Mounting Bracket: HC-CARGO 181583.

Littelfuse



Voltage: 12

Connection: Screw

Plug type: 12S
Colour: Black/white
Material: Shock thermo plastic
No./poles: 7
Connection: Screw
Male/female: Female
ISO norm: 3732

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

180293 Trailer Socket — Std pkg 5 — **Servicing:** HC-CARGO 180107, 180108, 180147, 181547

Rubber Gasket: HC-CARGO 180249. Mounting Bracket: HC-CARGO 181583.

Voltage: 12

Connection: Terminal

Plug type: 12N
Colour: Black
Material: Shock thermo plastic
No./poles: 7
Connection: Terminal
Male/female: Female
DIN norm: 72577
ISO norm: 1724
Alternativ no.: 182488

180620 Coupling Socket — Std pkg 1

w/ changed 7/58L contact.

Voltage: 12

Connection: Cable

Plug type: 12S
Colour: Grey
Material: Shock thermo plastic
No./poles: 7
Connection: Cable
Male/female: Female

181485 Trailer Socket — Std pkg 5 — **Servicing:** HC-CARGO 180107, 180108, 180147, 181547

w/ rear fog light cut-off. Rubber Gasket: HC-CARGO 181612, 181628. Mounting Bracket: HC-CARGO 181583.

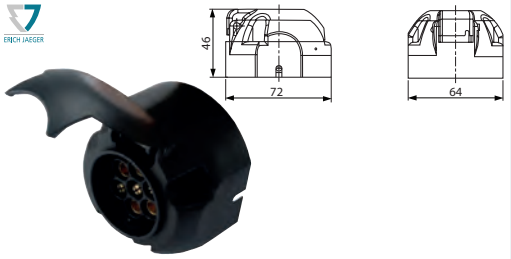
Voltage: 12

Connection: Screw

Plug type: 12N
Colour: Black
Material: Shock thermo plastic
No./poles: 7
Connection: Screw
Male/female: Female
DIN norm: 72577
ISO norm: 1724
Alternativ no.: 182498

181604 Trailer Socket — Std pkg 1 — **Servicing:** HC-CARGO 180107, 180108, 180147, 181547

Micro and mechanical switch.



Voltage: 12
Amp: 6

Connection: Screw

Plug type: 12N
Colour: Black
Material: Shock thermo plastic
No./poles: 7
Connection: Screw
Male/female: Female
DIN norm: 72577
ISO norm: 1724

182380 Coupling Socket — Std pkg 1 — **Servicing:** HC-CARGO 181547

Voltage: 12

Connection: Screw

Plug type: 12N
Mount.: Cable
Colour: Black
Locking device: Metal bracket
Material: Plastic
No./poles: 7
Connection: Screw
Male/female: Female
DIN norm: 72577
ISO norm: 1724

182381 Trailer Socket — Std pkg 1 — **Servicing:** HC-CARGO 180107, 180108, 180147, 181547

Voltage: 12

Cable dim.: 1.0-2.5 mm²
Connection: Terminal

Plug type: 12N
Colour: Black
Material: Plastic
No./poles: 7
Connection: Terminal
Gasket: Yes
Male/female: Female
DIN norm: 72577
ISO norm: 1724
Protection degree: Waterproof

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

182485* Trailer Socket — Std pkg 5 — **Servicing:** HC-CARGO 180107, 180108, 180147, 181547

Rubber Gasket: HC-CARGO 180249. Mounting Bracket: HC-CARGO 181583.

Voltage: 12 | **Connection:** Screw

Plug type: 12N
Colour: Black
Material: Shock thermo plastic
No./poles: 7
Connection: Screw
Male/female: Female
DIN norm: 72577
ISO norm: 1724
Alternativ no.: 180110

182488* Trailer Socket — Std pkg 5

NEW PRODUCT
www.hc-cargo.com

Alternativ no.: 180293

182495* Trailer Socket — Std pkg 5 — **Servicing:** HC-CARGO 180107, 180108, 180147, 181547

Rubber Gasket: HC-CARGO 180249, 181612, 181628. Mounting Bracket: HC-CARGO 181583.

Voltage: 12 | **Connection:** Screw

Plug type: 12N
Colour: Aluminium
Material: Cast aluminum
No./poles: 7
Connection: Screw
Male/female: Female
DIN norm: 72577
ISO norm: 1724
Alternativ no.: 180218

182498* Trailer Socket — Std pkg 5 — **Servicing:** HC-CARGO 180107, 180108, 180147, 181547

w/ rear fog light cut-off. Rubber Gasket: HC-CARGO 181612, 181628. Mounting Bracket: HC-CARGO 181583.

Voltage: 12 | **Connection:** Screw

Plug type: 12N
Colour: Black
Material: Shock thermo plastic
No./poles: 7
Connection: Screw
Male/female: Female
DIN norm: 72577
ISO norm: 1724
Alternativ no.: 181485

182501* Coupling Socket — Std pkg 1 — **Servicing:** HC-CARGO 180107, 180108, 180147, 181547

Voltage: 12 | **Connection:** Screw

Plug type: 12N
Colour: Black
Material: Shock thermo plastic
No./poles: 7
Connection: Screw
Male/female: Female
DIN norm: 72579
ISO norm: 1724
Alternativ no.: 180150

13 PIN

180214 Trailer Socket — Std pkg 1 — **Servicing:** HC-CARGO 180212

Trailer socket kit: HC-CARGO 180405. Rubber Gasket: HC-CARGO 181582, 181510.

Littelfuse

Voltage: 12 | **Connection:** Screw

Colour: Black
Locking device: Bayonet
Material: Nickel plated brass
No./poles: 13
Connection: Screw
Gasket: Yes
Male/female: Female
DIN norm: 72570
ISO norm: 11446
Protection degree: Splash proof
Alternativ no.: 182486

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

181274 Trailer Socket — Std pkg 1 — **Servicing:** HC-CARGO 180212

w/ micro switch, that switch over the rear fog lamps from car to trailer. Trailer socket kit: HC-CARGO 180405. Rubber Gasket: HC-CARGO 181582.

Voltage: 12 | **Connection:** Screw

Colour: Black
Locking device: Bayonet
Material: Nickel plated brass
No./poles: 13
Connection: Screw
Male/female: Female
DIN norm: 72570
ISO norm: 11446
Protection degree: Splash proof
Alternativ no.: 182490

181576 Coupling Socket — Std pkg 1

Voltage: 12 | **Connection:** Screw

Colour: Black
Material: Shockproof plastic
No./poles: 13
Connection: Screw
Male/female: Female
ISO norm: 11446

182382 Trailer Socket — Std pkg 1 — **Servicing:** HC-CARGO 180212

Voltage: 12 | **Cable dim.:** 1-2.5 mm² | **Connection:** Terminal

Colour: Black
Material: Plastic
No./poles: 13
Connection: Terminal
Gasket: Yes
Male/female: Female
ISO norm: 11446
Protection degree: Waterproof

182486* Trailer Socket — Std pkg 1 — **Servicing:** HC-CARGO 180212

Trailer socket kit: HC-CARGO 180405. Rubber Gasket: HC-CARGO 181582, 181510.

NEW PRODUCT
www.hc-cargo.com

Voltage: 12 | **Connection:** Screw

Colour: Black
Locking device: Bayonet
Material: Nickel plated brass
No./poles: 13
Connection: Screw
Gasket: Yes
Male/female: Female
DIN norm: 72570
ISO norm: 11446
Protection degree: Splash proof
Alternativ no.: 180214

182490* Trailer Socket — Std pkg 1 — **Servicing:** HC-CARGO 180212

w/ micro switch, that switch over the rear fog lamps from car to trailer. Trailer socket kit: HC-CARGO 180405. Rubber Gasket: HC-CARGO 181582.

Voltage: 12 | **Connection:** Screw

Colour: Black
Locking device: Bayonet
Material: Nickel plated brass
No./poles: 13
Connection: Screw
Male/female: Female
DIN norm: 72570
ISO norm: 11446
Protection degree: Splash proof
Alternativ no.: 181274

13-7 PIN

180329 Trailer Socket — Std pkg 1 — **Servicing:** HC-CARGO 180330

w/ micro switch, that switch over the rear fog lamps from car to trailer.

Voltage: 12 | **Connection:** Screw

Plug type: Multicon
Colour: Black
Material: Shock thermo plastic
No./poles: 7/13
Connection: Screw
Male/female: Female
ISO norm: 1724

SPARE PARTS

180249 Rubber Gasket — Std pkg 10 — **Servicing:** HC-CARGO 180110, 180218, 180239, 180293, 181485

Alternativ no.: 182499

181510 Rubber Gasket — Std pkg 10 — **Servicing:** HC-CARGO 180214, 181485

Alternativ no.: 182499

181582 Rubber Gasket — Std pkg 1 — **Servicing:** HC-CARGO 180214, 181274

w/ 90° cable bulge.

Material: Plastics

181612 Rubber Gasket — Std pkg 10 — **Servicing:** HC-CARGO 180110, 180218, 180239, 180293, 181485

Colour: Black
Material: EPDM rubber
Alternativ no.: 182500

181628 Rubber Gasket — Std pkg 5 — **Servicing:** HC-CARGO 180110, 180218, 180239, 180293, 181485

Colour: Black
Material: EPDM rubber

182499* Rubber Gasket — Std pkg 10 — **Servicing:** HC-CARGO 180214, 181485

Alternativ no.: 181510, 180249

182500* Rubber Gasket — Std pkg 10 — **Servicing:** HC-CARGO 180110, 180218, 180239, 180293, 181485, 182500

Colour: Black
Material: EPDM rubber
Alternativ no.: 181612

TRAILER SOCKETS - 24 V

3 PIN

180402 Trailer Socket — Std pkg 1 — **Servicing:** HC-CARGO 182376

Rubber Gasket: HC-CARGO 182373.

Voltage: 6/24

Connection: Screw

Colour: Black
Material: Shock thermo plastic
No./poles: 3
Connection: Screw
Male/female: Female

182375 Trailer Socket — Std pkg 1 — **Servicing:** HC-CARGO 182374

Voltage: 24
Amp: 25

Cable dim.: 3x6 mm²
Connection: Screw

Material: Aluminium
No./poles: 3
Connection: Screw
Male/female: Female

5 PIN

180243 ABS Socket — Std pkg 1

w/ ejector device for correct plug/socket connection. Incl. pins 3x1.5+2x4 mm². Terminal: HC-CARGO 191171, 191172, 191196, 191197.

Voltage: 24

Plug type: ABS
No./poles: 5
Male/female: Female
DIN norm: 74001
ISO norm: 7638
Alternativ no.: 181467

181467 ABS Socket — Std pkg 1

Screw connection w/ wirecolour indication.

Voltage: 24

Connection: Screw

Plug type: ABS
Locking device: Metal bracket
No./poles: 5
Connection: Screw
Male/female: Female
ISO norm: 7638
Alternativ no.: 180243

7 PIN

180112 Trailer Socket — Std pkg 1 — **Servicing:** HC-CARGO 180111, 180154

Terminal Coupling: HC-CARGO 180611.

Voltage: 24

Connection: Terminal

Plug type: 24N, Europe
Colour: Black
Material: Shock thermo plastic
No./poles: 7
Connection: Terminal
Male/female: Female
DIN norm: 72579
ISO norm: 1185

180153 Trailer Socket — Std pkg 1 — **Servicing:** HC-CARGO 180111, 180154

Terminal Cover: HC-CARGO 180105, 180106.

Voltage: 24

Connection: Screw

Plug type: 24N, Europe
Colour: Black
Material: Shock thermo plastic
No./poles: 7
Connection: Screw
Male/female: Female
DIN norm: 72579
ISO norm: 1185

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

180219 Trailer Socket — Std pkg 1 — **Servicing:** HC-CARGO 180111, 180154, 180220

Terminal Cover: HC-CARGO 180105, 180106.

Voltage: 24 | **Connection:** Screw

Plug type: 24N, Europe
Material: Cast aluminum
No./poles: 7
Connection: Screw
Male/female: Female
DIN norm: 72579
ISO norm: 1185
Alternativ no.: 182503

180240 Trailer Socket — Std pkg 1 — **Servicing:** HC-CARGO 180610, 180624

w/ changed 1/31 contact. w/ grey cap. Terminal Cover: HC-CARGO 180105, 180106.

Voltage: 24 | **Connection:** Screw

Plug type: 24S, Europe
Colour: Black
Material: Shock thermo plastic
No./poles: 7
Connection: Screw
Male/female: Female
ISO norm: 3731

180296 Trailer Socket — Std pkg 1 — **Servicing:** HC-CARGO 180297

Terminal Coupling: HC-CARGO 180612. Terminal Cover: HC-CARGO 180105, 180106.

Voltage: 24 | **Connection:** Terminal

Plug type: 24N, Europe
Material: Cast aluminum
No./poles: 7
Connection: Terminal
Male/female: Female
DIN norm: 72579
ISO norm: 1185

180351 Trailer Socket — Std pkg 1 — **Servicing:** HC-CARGO 180297

16x flat tongue. Terminal Coupling: HC-CARGO 180612. Terminal Cover: HC-CARGO 180105, 180106.

Voltage: 24 | **Connection:** Terminal

Plug type: 24N, Europe
Material: Cast aluminum
No./poles: 7
Connection: Terminal
Male/female: Female
DIN norm: 72579
ISO norm: 1185

180568 Trailer Socket — Std pkg 1 — **Servicing:** HC-CARGO 180241

w/ changed 1/31 contact. w/ grey cap. Terminal Coupling: HC-CARGO 180612. Terminal Cover: HC-CARGO 180105, 180106.

Voltage: 24 | **Connection:** Terminal

Plug type: 24S, Europe
Colour: Black
Material: Shock thermo plastic
No./poles: 7
Connection: Terminal
Male/female: Female
ISO norm: 3731

180569 Trailer Socket — Std pkg 1 — **Servicing:** HC-CARGO 180610, 180624

w/ changed 1/31 contact. w/ grey cap. Terminal Coupling: HC-CARGO 180611. Terminal Cover: HC-CARGO 180105, 180106.

Voltage: 24 | **Connection:** Terminal

Plug type: 24S, Europe
Material: Cast aluminum
No./poles: 7
Connection: Terminal
Male/female: Female
ISO norm: 3731

180571 EBS Socket — Std pkg 1 — **Servicing:** HC-CARGO 182379

w/ ejector device for correct plug/socket connection. Incl. pins 3x1.5+2x4 mm². Terminal: HC-CARGO 191171, 191172, 191196, 191197.

Voltage: 24 | **Connection:** Terminal

Plug type: ABS/EBS
No./poles: 7
Connection: Terminal
Male/female: Female
DIN norm: 74001
ISO norm: 7638
Alternativ no.: 181470

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

180607 Trailer Socket — Std pkg 1 — **Servicing:** HC-CARGO 180111, 180154

Terminal Coupling: HC-CARGO 180611.

Voltage: 24 | **Connection:** Terminal

Plug type: 24N, Europe
No./poles: 7
Connection: Terminal
Male/female: Female
DIN norm: 72579
ISO norm: 1185
Protection degree: IP 54
ADR-approved: Yes

180608 Trailer Socket — Std pkg 1 — **Servicing:** HC-CARGO 180610, 180624

w/ changed 1/31 contact. w/ grey cap. Terminal Coupling: HC-CARGO 180611.

Voltage: 24 | **Connection:** Terminal

Plug type: 24S, Europe
Colour: Black
Material: Shock thermo plastic
No./poles: 7
Connection: Terminal
Male/female: Female
ISO norm: 3731
Protection degree: IP 54
ADR-approved: Yes

181470 EBS Socket — Std pkg 1 — **Servicing:** HC-CARGO 182379

Screw connection w/ wirecolour indication.

Voltage: 24 | **Connection:** Screw

Plug type: ABS/EBS
Locking device: Metal bracket
No./poles: 7
Connection: Screw
Male/female: Female
DIN norm: 74001
ISO norm: 7638
Alternativ no.: 180571

181471 EBS Socket — Std pkg 1

Screw connection w/wire colour indication. Angled.

Voltage: 24

Plug type: EBS
Locking device: Bayonet
No./poles: 7
ISO norm: 7638

182503* Trailer Socket — Std pkg 1 — **Servicing:** HC-CARGO 180111, 180154, 180220

Terminal Cover: HC-CARGO 180105, 180106.

Voltage: 24 | **Connection:** Screw

Plug type: 24N, Europe
Material: Cast aluminum
No./poles: 7
Connection: Screw
Male/female: Female
DIN norm: 72579
ISO norm: 1185
Alternativ no.: 180219

13 PIN

180253 EBS Socket — Std pkg 1

Incl. pins 12x1+1x2.5 mm². Weather proof. Terminal: HC-CARGO 191171, 191172, 191196, 191197.

Voltage: 24

Plug type: EBS
No./poles: 13
Male/female: Female
DIN norm: 40050
ISO norm: 12098
ADR-approved: Yes
GGVS approval: Yes

14 PIN

180352 Trailer Socket — Std pkg 1 — **Servicing:** HC-CARGO 180353

For max. 6 mm² cable. Socket and plug can be disconnected automatically.

Voltage: 24

Colour: Black
Material: Shock thermo plastic
No./poles: 14
Male/female: Female

15 PIN

180286 EBS Socket — Std pkg 1

w/ locking device preventing accidental disengagement. Incl. terminals 10x1.5+2x1+3x2.5 mm². Terminal: HC-CARGO 191171, 191172, 191196, 191197.

Voltage: 24

Plug type: EBS
No./poles: 15
Male/female: Female
DIN norm: 72570
ISO norm: 12098
ADR-approved: Yes
GGVS approval: Yes
Alternativ no.: 181473

181473 EBS Socket — Std pkg 1

Fits: HC-CARGO 180251.

Voltage: 24

Connection: Screw

Locking device: Metal bracket
No./poles: 15
Connection: Screw
Male/female: Female
DIN norm: 72570
ISO norm: 12098
Protection degree: Waterproof
ADR-approved: Yes
GGVS approval: Yes
Alternativ no.: 180286

181474 EBS Socket — Std pkg 1

Voltage: 24

Connection: Screw

Locking device: Bayonet
No./poles: 15
Connection: Screw
Male/female: Female
DIN norm: 72570
ISO norm: 12098
Protection degree: Waterproof
ADR-approved: Yes
GGVS approval: Yes

TRAILER SOCKETS - 6/24 V

3 PIN

182378 Trailer Socket — Std pkg 1 — **Servicing:** HC-CARGO 182377

Voltage: 6/24
Amp: 25

Connection: Connection

No./poles: 3
Connection: Connection
Male/female: Female
ISO norm: 4091

4 PIN

180404 Trailer Socket — Std pkg 1

Voltage: 6-24

Connection: Screw

Colour: Black
Material: Shock thermo plastic
No./poles: 4
Connection: Screw
Male/female: Female
DIN norm: 72575

TRAILER PLUGS - 12 V

3 PIN

180308 Plug — Std pkg 1 — **Servicing:** HC-CARGO 180307

Littelfuse

Voltage: 12
Amp: 5/25/25

Connection: Terminal

Colour: Black
Material: Plastic
No./poles: 3
Connection: Terminal
Male/female: Male
DIN norm: 9680
Alternativ no.: 182494

182494* Plug — Std pkg 1 — **Servicing:** HC-CARGO 180307

Voltage: 12
Amp: 5/25/25

Connection: Terminal

Colour: Black
Material: Plastic
No./poles: 3
Connection: Terminal
Male/female: Male
DIN norm: 9680
Alternativ no.: 180308

7 PIN

180107 Trailer Plug — Std pkg 5 — **Servicing:** HC-CARGO 180110, 180218, 180293, 181485, 181604

Coupling Socket: HC-CARGO 180150.

Littelfuse

Voltage: 12

Connection: Screw

Plug type: 12N
Material: Cast aluminum
No./poles: 7
Connection: Screw
Male/female: Male
DIN norm: 72577
ISO norm: 1724
Alternativ no.: 182493

180108 Trailer Plug — Std pkg 5 — **Servicing:** HC-CARGO 180110, 180218, 180293, 181485, 181604

Coupling Socket: HC-CARGO 180150.

Littelfuse

Voltage: 12

Connection: Screw

Plug type: 12N
Colour: Black
Material: Shock thermo plastic
No./poles: 7
Connection: Screw
Male/female: Male
DIN norm: 72577
ISO norm: 1724
Alternativ no.: 182492

180147 Trailer Plug — Std pkg 5 — **Servicing:** HC-CARGO 180110, 180218, 180293, 181485, 181604

Coupling Socket: HC-CARGO 180150.

Littelfuse

Voltage: 12

Connection: Screw

Plug type: 12N
Mount.: Snap-on
Colour: Black
Material: Shock thermo plastic w/ snap-on session
No./poles: 7
Connection: Screw
Male/female: Male
DIN norm: 72577
ISO norm: 1724
Alternativ no.: 182487

180238 Trailer Plug — Std pkg 5 — **Servicing:** HC-CARGO 180239

w/ changed 7/58L contact.

Littelfuse

Voltage: 12

Connection: Screw

Plug type: 12S
Colour: Grey
Material: Shock thermo plastic
No./poles: 7
Connection: Screw
Male/female: Male
ISO norm: 3732

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

181547 Trailer Plug — Std pkg 5 — **Servicing:** HC-CARGO 180110, 180218, 180293, 181485, 181604, 182380

w/ rubber grommet for 1 cable. Grommet for 2 cables: HC-CARGO 181581. Coupling Socket: HC-CARGO 180150.

Voltage: 12 | **Connection:** Terminal

Plug type: 12N
Colour: Black
Material: Plastic
No./poles: 7
Connection: Terminal
Male/female: Male
DIN norm: 72577
ISO norm: 1724
Alternativ no.: 182489

182487* Trailer Plug — Std pkg 5 — **Servicing:** HC-CARGO 180110, 180218, 180293, 181485, 181604

Coupling Socket: HC-CARGO 180150.

Voltage: 12 | **Connection:** Screw

Plug type: 12N
Mount.: Snap-on
Colour: Black
Material: Shock thermo plastic w/ snap-on session
No./poles: 7
Connection: Screw
Male/female: Male
DIN norm: 72577
ISO norm: 1724
Alternativ no.: 180147

182489* Trailer Plug — Std pkg 5 — **Servicing:** HC-CARGO 180110, 180218, 180293, 181485, 181604, 182380

w/ rubber grommet for 1 cable. Grommet for 2 cables: HC-CARGO 181581. Coupling Socket: HC-CARGO 180150.

Voltage: 12 | **Connection:** Terminal

Plug type: 12N
Colour: Black
Material: Plastic
No./poles: 7
Connection: Terminal
Male/female: Male
DIN norm: 72577
ISO norm: 1724
Alternativ no.: 181547

182492* Trailer Plug — Std pkg 5 — **Servicing:** HC-CARGO 180110, 180218, 180293, 181485, 181604

Coupling Socket: HC-CARGO 180150.

Voltage: 12 | **Connection:** Screw

Plug type: 12N
Colour: Black
Material: Shock thermo plastic
No./poles: 7
Connection: Screw
Male/female: Male
DIN norm: 72577
ISO norm: 1724
Alternativ no.: 180108

182493* Trailer Plug — Std pkg 5 — **Servicing:** HC-CARGO 180110, 180218, 180293, 181485, 181604

Coupling Socket: HC-CARGO 180150.

Voltage: 12 | **Connection:** Screw

Plug type: 12N
Material: Cast aluminum
No./poles: 7
Connection: Screw
Male/female: Male
DIN norm: 72577
ISO norm: 1724
Alternativ no.: 180107

13 PIN

180212 Trailer Plug — Std pkg 1 — **Servicing:** HC-CARGO 180214, 181274

Nickel plated brass pins.

Voltage: 12 | **Connection:** Screw

Colour: Black
Locking device: Bayonet
Material: Shock thermo plastic
No./poles: 13
Connection: Screw
Male/female: Male
DIN norm: 72570
ISO norm: 11446
Protection degree: Splash proof
Alternativ no.: 182496

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
181692 Trailer Plug Std pkg 1			
	Voltage: 12	**Connection:** Screw	**Socket:** 7-13 **Colour:** Black **No./poles:** 13 **Connection:** Screw
182496* Trailer Plug Std pkg 1 **Servicing:** HC-CARGO 180214, 181274			
Nickel plated brass pins.			
	Voltage: 12	**Connection:** Screw	**Colour:** Black **Locking device:** Bayonet **Material:** Shock thermo plastic **No./poles:** 13 **Connection:** Screw **Male/female:** Male **DIN norm:** 72570 **ISO norm:** 11446 **Protection degree:** Splash proof **Alternativ no.:** 180212
SPARE PARTS			
194050 Protection Cap Std pkg 1 **Servicing:** HC-CARGO 180212			
13-7 PIN			
180330 Trailer Plug Std pkg 1 **Servicing:** HC-CARGO 180329			
+ 6 contacts.			
	Voltage: 12	**Connection:** Screw	**Plug type:** Multicon **Colour:** Black **Material:** Shock thermo plastic **No./poles:** 7/13 **Connection:** Screw **Male/female:** Male **ISO norm:** 1724
181675 Trailer Coil Std pkg 1			
	Voltage: 12	**Cable dim.:** 6x1+1x1.5 mm² **Working length:** 1.5 m	**Plug type:** 12N **Colour:** Black **Material:** Polyurethan **Windings:** 15 **Plug 1:** 7 **Plug 2:** 13 **ISO norm:** 1724 **ISO norm 2:** 11446
TRAILER PLUGS - 24 V			
3 PIN			
182374 Trailer Plug Std pkg 1 **Servicing:** HC-CARGO 182375			
	Voltage: 24 **Amp:** 25	**Cable dim.:** 3x6 mm² **Connection:** Screw	**Material:** Aluminium **No./poles:** 3 **Connection:** Screw **Male/female:** Male

5 PIN

180242 ABS Plug — Std pkg 1

Incl. tubes 3x1.5+2x4 mm² (HC-CARGO 191170). Terminal: HC-CARGO 191168, 192180, 191169, 192181.

Voltage: 24 | **Connection:** Terminal

Plug type: ABS
Locking device: Metal bracket
No./poles: 5
Connection: Terminal
Male/female: Male
ISO norm: 7638
Alternativ no.: 181466

181466 ABS Plug — Std pkg 1

Screw connection w/ wirecolour indication.

Voltage: 24 | **Connection:** Screw

Plug type: ABS
Locking device: Metal bracket
No./poles: 5
Connection: Screw
Male/female: Male
ISO norm: 7638
Alternativ no.: 180242

7 PIN

180111 Trailer Plug — Std pkg 1 — **Servicing:** HC-CARGO 180112, 180153, 180219, 180607

Terminal Coupling: HC-CARGO 180612.

Littelfuse

Voltage: 24 | **Connection:** Terminal

Plug type: 24N, Europe
Colour: Black
Material: Shock thermo plastic
No./poles: 7
Connection: Terminal
Male/female: Male
DIN norm: 72579
ISO norm: 1185

180154 Trailer Plug — Std pkg 1 — **Servicing:** HC-CARGO 180112, 180153, 180219, 180607

Littelfuse

Voltage: 24 | **Connection:** Screw

Plug type: 24N, Europe
Colour: Black
Material: Shock thermo plastic
No./poles: 7
Connection: Screw
Male/female: Male
DIN norm: 72579
ISO norm: 1185

180220 Trailer Plug — Std pkg 1 — **Servicing:** HC-CARGO 180219

Littelfuse

Voltage: 24 | **Connection:** Screw

Plug type: 24N, Europe
Material: Cast aluminum
No./poles: 7
Connection: Screw
Male/female: Male
DIN norm: 72579
ISO norm: 1185

180241 Trailer Plug — Std pkg 1 — **Servicing:** HC-CARGO 180568

w/ changed 1/31 contact. w/ grey plastic interior. Terminal Coupling: HC-CARGO 180611.

Littelfuse

Voltage: 24 | **Connection:** Screw

Plug type: 24S, Europe
Colour: Black
Material: Shock thermo plastic
No./poles: 7
Connection: Screw
Male/female: Male
ISO norm: 3731

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

180297 Trailer Plug — Std pkg 1 — **Servicing:** HC-CARGO 180351, 180296

Terminal Coupling: HC-CARGO 180611.

EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
Voltage: 24	**Connection:** Terminal	**Plug type:** 24N, Europe **Material:** Cast aluminum **No./poles:** 7 **Connection:** Terminal **Male/female:** Male **DIN norm:** 72579 **ISO norm:** 1185

180570 EBS Plug — Std pkg 1

Incl. pins 5x1.5+2x4 mm². w/ locking device. Terminal: HC-CARGO 191168, 192180, 191169, 192181.

EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
Voltage: 24	**Connection:** Terminal	**Plug type:** EBS **Locking device:** Metal bracket **No./poles:** 7 **Connection:** Terminal **Male/female:** Male **DIN norm:** 40050 **ISO norm:** 7638 **Protection degree:** Waterproof **Alternativ no.:** 181469

180610 Trailer Plug — Std pkg 1 — **Servicing:** HC-CARGO 180240, 180569, 180608

w/ changed 1/31 contact. w/ grey plastic interior.

EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
Voltage: 24	**Connection:** Screw	**Plug type:** 24S, Europe **Colour:** Black **Material:** Shock thermo plastic **No./poles:** 7 **Connection:** Screw **Male/female:** Male **ISO norm:** 3731 **Protection degree:** IP 54 **ADR-approved:** Yes

180624 Trailer Plug — Std pkg 1 — **Servicing:** HC-CARGO 180240, 180569, 180608

w/ changed 1/31 contact. w/ grey plastic interior.

EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
Voltage: 24	**Connection:** Screw	**Plug type:** 24S, Europe **Material:** Cast aluminum **No./poles:** 7 **Connection:** Screw **Male/female:** Male **ISO norm:** 3731

181469 EBS Plug — Std pkg 1

Screw connection w/ wirecolour indication.

EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
Voltage: 24	**Connection:** Screw	**Plug type:** EBS **Locking device:** Metal bracket **No./poles:** 7 **Connection:** Screw **Male/female:** Male **ISO norm:** 7638 **Protection degree:** Waterproof **Alternativ no.:** 180570

182379 Trailer Plug — Std pkg 1 — **Servicing:** HC-CARGO 180571, 181470

EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
Voltage: 24 **Amp:** 15/25	**Connection:** Screw	**Plug type:** ABS/EBS **Locking device:** Metal bracket **No./poles:** 7 **Connection:** Screw **Male/female:** Male **DIN norm:** 74001 **ISO norm:** 7638

13 PIN

180252 EBS Plug — Std pkg 1

Incl. pins 12x1+1x2.5 mm². Weather proof. Terminal: HC-CARGO 191168, 192180, 191169, 192181.

Voltage: 24 | **Connection:** Terminal

Plug type: EBS
No./poles: 13
Connection: Terminal
Male/female: Male
DIN norm: 40050
ISO norm: 12098
ADR-approved: Yes
GGVS approval: Yes

14 PIN

180353 Trailer Plug — Std pkg 1 — **Servicing:** HC-CARGO 180352

For max. 6 mm² cable. Socket and plug can be disconnected automatically.

Voltage: 24

Colour: Black
Material: Shock thermo plastic
No./poles: 14
Male/female: Male

15 PIN

180285 EBS Plug — Std pkg 1

Incl. pins 12x1.5+3x2.5 mm². Terminal: HC-CARGO 191168, 192180.

Voltage: 24 | **Connection:** Terminal

Plug type: EBS
No./poles: 15
Connection: Terminal
Male/female: Male
DIN norm: 72570
ISO norm: 12098
ADR-approved: Yes
GGVS approval: Yes
Alternativ no.: 181472

181472 EBS Plug — Std pkg 1

Voltage: 24 | **Connection:** Screw

Locking device: Metal bracket
No./poles: 15
Connection: Screw
Male/female: Male
DIN norm: 72570
ISO norm: 12098
Protection degree: Waterproof
GGVS approval: Yes
Alternativ no.: 180285

SPARE PARTS

182373 Rubber Gasket — Std pkg 10 — **Servicing:** HC-CARGO 180402

Colour: Black
Material: Rubber

TRAILER PLUGS - 6/24 V

3 PIN

180401 Plug — Std pkg 1

Voltage: 6-24
Amp: max. 20

Connection: Screw

Colour: Black
Material: Shock thermo plastic
No./poles: 3
Connection: Screw
Male/female: Male
DIN norm: 9680

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
182377 Trailer Plug Std pkg 1	**Servicing:** HC-CARGO 182378		
	Voltage: 6/24 **Amp:** 25	**Connection:** Connection	**No./poles:** 3 **Connection:** Connection **Male/female:** Male **ISO norm:** 4091
4 PIN			
180403 Plug Std pkg 1			
	Voltage: 6-24	**Connection:** Screw	**Colour:** Black **Material:** Shock thermo plastic **No./poles:** 4 **Connection:** Screw **Male/female:** Male **DIN norm:** 72575
ISOBUS			
181688 Master Socket Std pkg 1			
	Voltage: 12		**Plug type:** 9P/12V, ISOBUS **Colour:** Black **Locking device:** Metal bracket **No./poles:** 9 **Male/female:** Female **ISO norm:** 11783-2
181689 Slave socket Std pkg 1			
	Voltage: 12		**Plug type:** 9P/12V, ISOBUS **Colour:** Black **Locking device:** Metal bracket **No./poles:** 9 **Male/female:** Female **ISO norm:** 11783-2
181690 Plug Std pkg 1			
	Voltage: 12		**Plug type:** 9P/12V, ISOBUS **Colour:** Black **No./poles:** 9 **Male/female:** Male **ISO norm:** 11783-2
181691 Plug Std pkg 1			
	Voltage: 12		**Plug type:** Male, ISOBUS **Colour:** Black **No./poles:** 4 **Male/female:** Male **ISO norm:** 11783-2
CABLE KITS 12 V			
7 PIN			
180001 Trailer Cable Kit Std pkg 1			
	Voltage: 12	**Length:** 1.4 m	**Cable type:** Single core w/ flex **Socket type:** 12N **Fixing materials:** Yes **No./poles:** 7 **Gasket:** Yes **DIN norm:** 72577 **ISO norm:** 1724

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
180144 Trailer Cable Kit Std pkg 1			
	Voltage: 12	**Length:** 1.4 m	**Cable type:** Multi core **Socket type:** 12N **Fixing materials:** Yes **No./poles:** 7 **Gasket:** Yes **Male/female:** Male **DIN norm:** 72577 **ISO norm:** 1724
180248 Trailer Cable Kit Std pkg 1			
	Voltage: 12	**Length:** 2 m	**Cable type:** Multi core **Socket type:** 12N **Fixing materials:** Yes **No./poles:** 7 **Gasket:** Yes **Male/female:** Male **DIN norm:** 72577 **ISO norm:** 1724

13 PIN

180405 Trailer Cable Kit Std pkg 1	**Servicing:** HC-CARGO 180214, 181274		
w/ rubber gasket.			
	Voltage: 12	**Length:** 1.8 m	**Cable type:** Multi core **Fixing materials:** Yes **No./poles:** 13 **Gasket:** Yes **DIN norm:** 72570 **ISO norm:** 4091

TRAILER COILS 12 V

7 PIN

180225 Trailer Coil Std pkg 1			
	Voltage: 12	**Cable dim.:** 6x1+1x1.5 mm² **Working length:** 3.5 m	**Plug type:** 12N, 24N, Europe **Colour:** Black **Material:** Polyurethan **Windings:** 42 **Plug 1:** 7 **Plug 2:** 7 **ISO norm:** 1724
180372 Trailer Coil Std pkg 1			
	Voltage: 12	**Cable dim.:** 6x1+1x1.5 mm² **Working length:** 3.5 m	**Plug type:** 12N, 12N **Colour:** Black **Material:** Polyurethan **Windings:** 42 **Plug 1:** 7 **Plug 2:** 7 **ISO norm:** 1724
180613 Trailer Coil Std pkg 1			
	Voltage: 12	**Cable dim.:** 6x1+1x1.5 mm² **Working length:** 1.5 m	**Plug type:** 12N, 12N **Colour:** Black **Material:** Polyurethan **Windings:** 15 **Plug 1:** 7 **Plug 2:** 7 **ISO norm:** 1724
181544 Extension Cable Coil Std pkg 1			
	Voltage: 12	**Cable dim.:** 6x1.5+1x2 mm² **Working length:** 3.5 m	**Plug type:** 12N, Europe, 12N, Europe **Mount.:** Screw **Colour:** Black **Material:** Shock thermo plastic **Windings:** 42 **Plug 1:** 7 **Plug 2:** 7 **DIN norm:** 72577 **ISO norm:** 1724

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

13 PIN

181600 Trailer coil — Std pkg 1

Max extension length: 4.5 m.

Voltage: 12

Working length: 3 m

Colour: Black
Windings: 17
Plug 1: 13
Plug 2: 13
ISO norm: 11446

TRAILER COILS 24 V

2 PIN

181489 Trailer Coil — Std pkg 1

Voltage: 24

Cable dim.: 2x35 mm²
Working length: 4 m

Plug type: Nato plug, Nato plug
Colour: Red/black
Material: Polyurethan
Windings: 35
Plug 1: 2
Plug 2: 2

5 PIN

180247 ABS Trailer Coil — Std pkg 1

Voltage: 24

Cable dim.:
2x4+3x1.5 mm²
Working length: 4 m

Plug type: ABS, ABS
Material: Polyurethan
Plug 1: 5
Plug 2: 5
DIN norm: 74001
ISO norm: 7638

7 PIN

180194 Trailer Coil — Std pkg 1

Voltage: 24

Cable dim.:
6x1+1x1.5 mm²
Working length: 3.5 m

Plug type: 12N, 24N, Europe
Colour: Black
Material: Nylon
Windings: 20
Plug 1: 7
Plug 2: 7
ISO norm: 1185
ISO norm 2: 1724

180195 Trailer Coil — Std pkg 1

Aluminium plug.

Voltage: 24

Cable dim.:
6x1+1x1.5 mm²
Working length: 3.5 m

Plug type: 24N, Europe, 24N, Europe
Colour: Black
Material: Nylon
Windings: 20
Plug 1: 7
Plug 2: 7
DIN norm: 72579
ISO norm: 1185

180196 Trailer Coil — Std pkg 1

Voltage: 24

Cable dim.:
6x1+1x1.5 mm²
Working length: 3.5 m

Plug type: 24N, Europe, 24N, Europe
Colour: Black
Material: Nylon
Windings: 20
Plug 1: 7
Plug 2: 7
DIN norm: 72579
ISO norm: 1185

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
180226 Trailer Coil Std pkg 1			
	Voltage: 24	**Cable dim.:** 6x1+1x1.5 mm² **Working length:** 3.5 m	**Plug type:** 24N, Europe, 24N, Europe **Colour:** Black **Material:** Polyurethan **Windings:** 42 **Plug 1:** 7 **Plug 2:** 7 **ISO norm:** 1185
180227 Trailer Coil Std pkg 1			
Aluminium plug.			
	Voltage: 24	**Cable dim.:** 6x1+1x1.5 mm² **Working length:** 3.5 m	**Plug type:** 24N, Europe, 24N, Europe **Colour:** Black **Material:** Polyurethan **Windings:** 42 **Plug 1:** 7 **Plug 2:** 7 **ISO norm:** 1185
180228 Trailer Coil Std pkg 1			
	Voltage: 24	**Cable dim.:** 6x1+1x1.5 mm² **Working length:** 3.5 m	**Plug type:** 24N, Europe, 24N, Europe **Mount.:** Moulded **Colour:** Black **Material:** Polyurethan **Windings:** 42 **Plug 1:** 7 **Plug 2:** 7 **ISO norm:** 1185
180316 Trailer Coil Std pkg 1			
	Voltage: 24	**Cable dim.:** 6x1+1x1.5 mm² **Working length:** 3.5 m	**Plug type:** 24S, Europe, 24S, Europe **Colour:** Black **Material:** Polyurethan **Windings:** 42 **Plug 1:** 7 **Plug 2:** 7 **ISO norm:** 3731
180572 Trailer Coil Std pkg 1			
	Voltage: 24	**Cable dim.:** 2x4+5x1.5 mm² **Working length:** 4 m	**Plug type:** EBS, EBS **Material:** Polyurethan **Plug 1:** 7 **Plug 2:** 7 **DIN norm:** 74001 **ISO norm:** 7638

15 PIN

180251 Trailer Coil Std pkg 1			
Fits: HC-CARGO 181467.			
	Voltage: 24	**Cable dim.:** 12x1.5+3x2.5 mm² **Working length:** 3.5 m	**Material:** Polyurethan **Plug 1:** 15 **Plug 2:** 15 **ISO norm:** 4141 **ISO norm 2:** 6772 **ISO norm 3:** 12098 **GGVS approval:** Yes

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

ACCESSORIES

180105 Protection Cap — Std pkg 500 — **Servicing:** HC-CARGO 180112, 180153, 180219, 180240, 180296, 180351, 180568, 180569

menber's

Voltage: 24

No./poles: 7

180106 Protection Cap — Std pkg 10 — **Servicing:** HC-CARGO 180112, 180153, 180219, 180240, 180296, 180351, 180568, 180569

Littelfuse

Voltage: 24

No./poles: 7

180611 Terminal Coupling — Std pkg 5 — **Servicing:** HC-CARGO 180112, 180569, 180607, 180608, 180241, 180297

For trailer sockets.

Littelfuse

Voltage: 24

Plug type: Europe
Colour: White
No./poles: 7
Male/female: Multiplug

180612 Terminal Coupling — Std pkg 5 — **Servicing:** HC-CARGO 180296, 180351, 180568, 180111

Littelfuse

Voltage: 24

Plug type: Europe
Colour: Red
No./poles: 7

181583 Mounting Bracket — Std pkg 1 — **Servicing:** HC-CARGO 180110, 180218, 180239, 180293, 181485

For trailer socket.

ID: 40 mm
OD: 80 mm
Dist. mount. holes: 20 mm
Mount. hole dia.: 12 mm

No./mounting holes: 2 (0)

181627 Bayonet connector — Std pkg 1 — **Servicing:** HC-CARGO 181617

ERICH JAEGER

Voltage: 12

Cable dim.: 8x1.5-2.5 mm²

Mount.: Terminal
Locking device: Bayonet
No./poles: 8
DIN norm: 72580

NATO CABLE CONNECTORS

180197 Nato Socket — Std pkg 1

Terminal: HC-CARGO 180560. Nato Plug: HC-CARGO 181563, 181611. Rubber Gasket: HC-CARGO 181671.

ERICH JAEGER

Voltage: 24
Amp: 200

Dim.: 35-50 mm²
Dist. mount. holes: 82.5/47.6 mm
Connection: Solder/crimp

No./mounting holes: 4
No./poles: 2
Connection: Solder/crimp
Male/female: Female
Approval: VG 96917

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
180198 Nato Plug — Std pkg 1 — **Servicing:** HC-CARGO 193002			
Terminal: HC-CARGO 181670.			
	Voltage: 24 **Amp:** 200	**Dim.:** 50 mm² **Connection:** Soldering	**Material:** Aluminium **No./poles:** 2 **Connection:** Soldering **Male/female:** Male **Approval:** VG 96917
180325 Nato Plug — Std pkg 1			
w/ screw device. Terminal: HC-CARGO 181670.			
	Voltage: 24 **Amp:** 200	**Dim.:** 50 mm² **Connection:** Solder/crimp	**Material:** Metal/Rubber **No./poles:** 2 **Connection:** Solder/crimp **Male/female:** Male **Alternativ no.:** 181563
180349 Nato Socket — Std pkg 1			
	Voltage: 24 **Amp:** 250	**Dim.:** 70 mm² **Dist. mount. holes:** 85/60 mm **Connection:** 10 mm ring terminals	**No./mounting holes:** 4 **No./poles:** 2 **Connection:** 10 mm ring terminals **Male/female:** Female
180350 Nato Plug — Std pkg 1			
	Voltage: 24 **Amp:** 250	**Dim.:** 70 mm² **Connection:** Soldering	**No./poles:** 2 **Connection:** Soldering **Male/female:** Male
181563 Nato Plug — Std pkg 1 — **Servicing:** HC-CARGO 180197			
Terminal: HC-CARGO 181670.			
	Voltage: 24 **Amp:** 200	**Dim.:** 50 mm² **Connection:** Solder/crimp	**No./poles:** 2 **Connection:** Solder/crimp **Male/female:** Male **Alternativ no.:** 180325
181611 Nato Plug — Std pkg 1 — **Servicing:** HC-CARGO 180197			
Terminal: HC-CARGO 180561.			
	Voltage: 24 **Amp:** Max 300	**Dim.:** 35 mm² **Connection:** Solder/crimp	**Material:** Aluminium **No./poles:** 2 **Connection:** Solder/crimp **Male/female:** Male **Approval:** VG 96917
181630 Nato Socket — Std pkg 1			
Terminal: HC-CARGO 180560. Rubber Gasket: HC-CARGO 181671.			
	Voltage: 24	**Dim.:** 35-50 mm²	**Colour:** Yellow/black **No./mounting holes:** 4 **No./poles:** 2 **Male/female:** Female **Approval:** VG 96917

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

193002 Nato Socket — Std pkg 1

Terminal: HC-CARGO 180560. Nato Plug: HC-CARGO 180198. Rubber Gasket: HC-CARGO 181671.

Voltage: 24

Dim.: 35 mm²
ID/mount. hole: 6 mm
Dist. mount. holes: 82x49 mm
Connection: Soldering

Colour: Black
Material: Plastic
No./mounting holes: 4
No./poles: 2
Connection: Soldering
Cap: w/
Male/female: Female
Approval: VG 96917

SPARE PARTS

180560 Terminal — Std pkg 2 — **Servicing:** HC-CARGO 180197, 181630, 193002

Long.

Plug length: 67.2 mm
Cable size: 35-50 mm²

Male/female: Female

180561 Terminal — Std pkg 2 — **Servicing:** HC-CARGO 181611

Plug length: 42 mm
Cable size: 35 mm²

Male/female: Male/female

181670 Terminal — Std pkg 1 — **Servicing:** HC-CARGO 180198, 180325, 181563

Plug length: 42 mm
Cable size: 50 mm²

Male/female: Male/female

ACCESSORIES

180199 Nato Coupling — Std pkg 1

Voltage: 24
Amp: 200

Dim.: 35-50 mm²

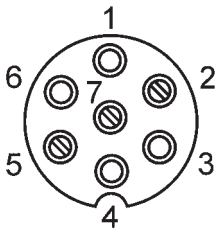
No./poles: 2
Approval: VG 96917

181671 Rubber Gasket — Std pkg 1 — **Servicing:** HC-CARGO 180197, 181630, 193002

Colour: Black
Material: EPDM rubber

Contact allocation for 7 - 13 and 14 - Pin Sockets

7-PIN plugs / sockets 12 V ISO 1724, DIN 72577 (12N)



1/L) Left-hand direction indicator lamp.

2/54G) Rear fog lamp.

3/31) Common return.

4/R) Right-hand direction indicator lamp.

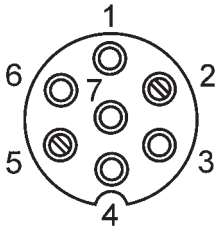
5/58L) Right-hand rear position and end-outline marker lamp, and rear-registration plate illumination device. *1)*

6/54) Stop lamp.

7/58L) Left-hand rear position and end-outline marker lamp, andrear-registration plate illumination device. *1)*

1) The rear registrationplate illumination device shall be connected in such a manner that no lamp of such a device has a common connection with both contacts 5 and 7.

7-PIN plugs / sockets 12 V ISO 3732 (12S)



1/L) R Reversing lamp. *2)*

2/54G) Coding for coupled trailer (within the plug pin no. 2 shall be connected to pin no. 3 to signal to the towing vehicle when a trailer is connected).

3/31) Common return (for contact no. 4-5).

4/R) Continous power supply.

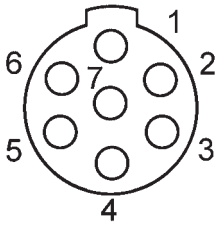
5/58L) Sensing device.

6/54) Power supply (controlled by ignition switch).

7/58L) Common return (for contact no. 6).

2) The common return for the circuit of this contact will normally be by contact no. 3/31 of the 12N connector according to ISO 1724.

7-PIN plugs / sockets 24 V ISO 1185, DIN 72579 (24N)



1/31) Common return.

2/58L) Left-hand rear position and end-outline marker lamp, and rear-registration plate illumination device. *3)*

3/L) Left-hand direction indicator lamp.

4/54) Stop lamp.

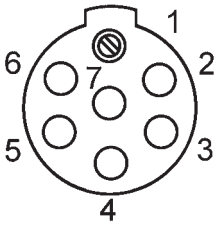
5/R) Right-hand direction indicator lamp.

6/58R) Right-hand rear position and end-outline marker lamp, and rear-registration plate illumination device. *3)*

7/54G) Braking control for trailers.

3) The rear registrationplate illumination device shall be connected in such a manner that no lamp of such a device has a common connection with both contacts 2 and 6.

7-PIN plugs / sockets 24 V ISO 3731 (24S)



1/31) Common return.

2/58L) No allocation.

3/L) Reversing lamp.

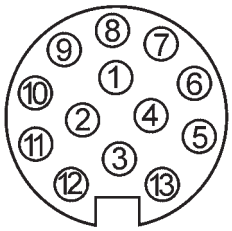
4/54) Continuous power supply.

5/R) Control via common return.

6/58R) Power supply (controlled by ignition switch).

7/54G) Rear fog lamp.

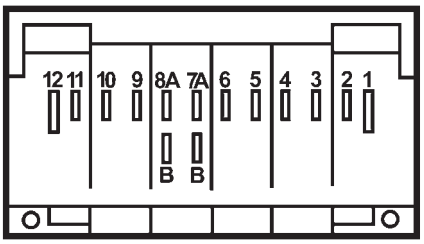
13-PIN plugs / sockets ISO 11446, DIN 72570 and 13-PIN Multicon



1) Left-hand direction indicator lamp.
2) Rear fog lamp.
3) Common return for contacts nos. 1 to 8. ***1)***
4) Right-hand direction indicator lamp.
5) Right-hand rear position and end-outline marker lamp, and rear-registration plate illumination device. ***2)***
6) Stop lamp.
7) Left-hand rear position and end-outline marker lamp, and rear-registration plate illumination device. ***2)***
8) Reversing lamp.
9) Continuous power supply.
10) Power supply (controlled by ignition switch).
11) Earth (for contact no. 10). ***1)***
12) Coding for coupled trailer (on the plug, pin no. 12 shall be bridged to pin no. 3 to return to the towing vehicle the information whether a trailer is coupled or not).
13) Common return (for contact no. 9). ***1)***

1) *The three common return circuits shall not be connected electrically in the trailer.*
2) *The rear registration plate illumination device shall be connected such that no lamp of the device has a common connection with either contact 5 or 7.*

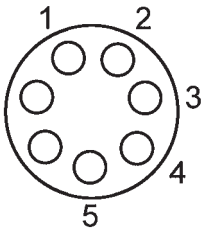
VBG contact14



1) Common return.
2) Left hand direction indicator lamp.
3) Right hand direction indicator lamp.
4) Stop lamp.
5) Left-hand rear position and end-outline marker lamp, and rear-registration plate illumination device.
6) Right-hand rear position and end-outline marker lamp, and rear-registration plate illumination device.
7) a) Reversing lamp. b) Rear fog lamp.
8) a) ..... b) .....
9) .....
10) .....
11) .....
12) Charging current.

Contact Allocation for ABS, EBS and ADR Connections

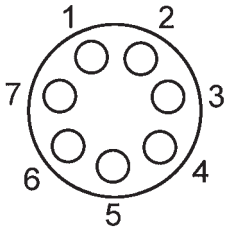
ABS / Plugs & Sockets ISO 7638



Contact allocation w/ electrical features

1) Pos. (+) of solenoid valve ..... **4/6 mm².**
2) Pos. (+) of electronic valve ..... **1.5 mm².**
3) Neg. (-) of electronic valve ..... **1.5 mm².**
4) Neg. (-) of solenoid valve ..... **4/6 mm².**
5) Alarm equipment ..... **1.5 mm².**

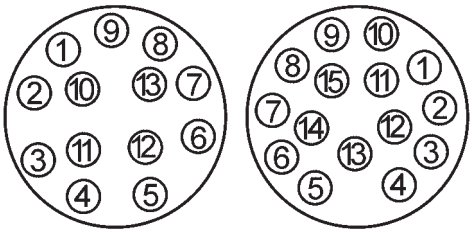
EBS / Plugs & Sockets ISO 7638



Contact allocation w/ electrical features

1) Pos. (+) of solenoid valve ..... **4/6 mm².**
2) Pos. (+) of electronic valve ..... **1.5 mm².**
3) Neg. (-) of electronic valve ..... **1.5 mm².**
4) Neg. (-) of solenoid valve ..... **4/6 mm².**
5) Alarm equipment ..... **1.5 mm².**
6) Reserved for data communication ..... **1.5 mm².**
7) Reserved for data communication ..... **1.5 mm².**

13-PINS and 15-PINS plugs/sockets DIN 40050 ISO 12098



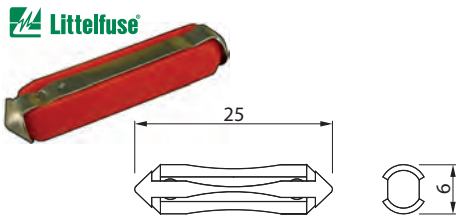
Contacts allocation

1) Left-hand direction indicator lamp.
2) Right-hand direction indicator lamp.
3) Rear fog lamp.
4) Common return.
5) Left-hand rear position and end-outline marker lamp, and rear registration plate illumination device. ***1)***
6) Right-hand rear position and end-outline marker lamp, and rear registration plate illumination device. ***1)***
7) Stop lamp.
8) Reversing lamp.
9) Power supply (+24V).
10) Worn brake lining sensor.
11) Pressure sensor for brakes.
12) Axle lifting device.
13) Common return for contacts 14 and 15.
14) Reserved for data communication. ***2)***
15) Reserved for data communication. ***2)***

1) *The rear registration plate illumination shall be connected in such a manner that no lamp device has a common connection with both contacts 5 and 6.*
2) *Contacts 14 and 15, which are not used at present, shall be blanked to accept later fitment of pins and sleeves for data transmission functions, which are being designed. These blanks shall permit 13-pole version to mate with 15-pole versions*

FUSES

TORPEDO



HC-CARGO	Std pkg	Ampere	Voltage	Dim.
190276	Pkg. 50	5	36	25x6 mm
190277	Pkg. 50	8	36	25x6 mm
190278	Pkg. 50	16	36	25x6 mm
190279	Pkg. 50	25	36	25x6 mm
190280	Pkg. 50	40	36	25x6 mm

CAR RADIO FUSES

HC-CARGO	Std pkg	Ampere	Voltage	Dim.
190285	Pkg. 10	0.5	250	20x5 mm
192721	Pkg. 10	1	250	20x5 mm
190286	Pkg. 10	2	250	20x5 mm
190284	Pkg. 10	6.3	250	20x5 mm
190734	Pkg. 10	10	250	20x5 mm
191534	Pkg. 10	20	250	20x5 mm

GLASS

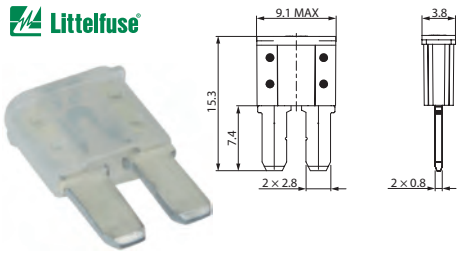
29X6.3 MM

HC-CARGO	Std pkg	Ampere	Voltage	Dim.
190735	Pkg. 10	10	12	29x6.3 mm
191570	Pkg. 10	15	12	29x6.3 mm
191571	Pkg. 10	20	12	29x6.3 mm
190736	Pkg. 10	25	12	29x6.3 mm
191572	Pkg. 10	30	12	29x6.3 mm

32X6.3 MM

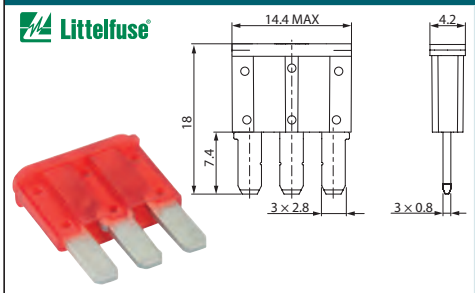
HC-CARGO	Std pkg	Ampere	Voltage	Dim.
190287	Pkg. 10	5	32	32x6.3 mm
190288	Pkg. 10	10	32	32x6.3 mm
190289	Pkg. 10	15	32	32x6.3 mm
190274	Pkg. 10	20	32	32x6.3 mm
190275	Pkg. 10	35	32	32x6.3 mm

MICRO BLADE



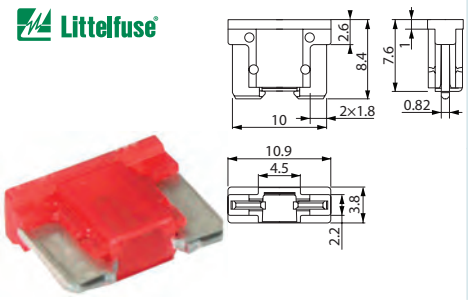
HC-CARGO	Std pkg	HC-CARGO	Std pkg	Ampere	Voltage	Colour
193319	Pkg. 1	193213	Pkg. 50	5	32	Tan
193320	Pkg. 1	193214	Pkg. 50	7.5	32	Brown
193321	Pkg. 1	193215	Pkg. 50	10	32	Red
193322	Pkg. 1	193216	Pkg. 50	15	32	Blue
193323	Pkg. 1	193217	Pkg. 50	20	32	Yellow
193324	Pkg. 1	193218	Pkg. 50	25	32	Transparent
193325	Pkg. 1	193219	Pkg. 50	30	32	Green

MICRO 3 BLADE FUSE



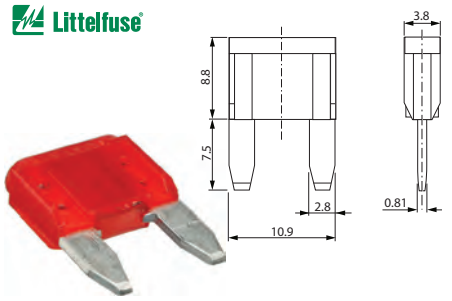
HC-CARGO	Std pkg	HC-CARGO	Std pkg	Ampere	Voltage	Colour
193376	Pkg. 1	193380	Pkg. 50	5	32	Tan
193379	Pkg. 1	193383	Pkg. 50	7.5	32	Brown
193377	Pkg. 1	193381	Pkg. 50	10	32	Red
193378	Pkg. 1	193382	Pkg. 50	15	32	Blue

MINI BLADE LOW PROFILE



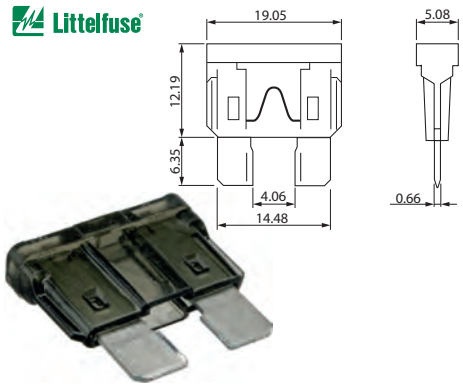
HC-CARGO	Std pkg	HC-CARGO	Std pkg	Ampere	Voltage	Colour
193336	Pkg. 1	192762	Pkg. 50	2	58	Grey
193337	Pkg. 1	192763	Pkg. 50	3	58	Purple
193338	Pkg. 1	192764	Pkg. 50	4	58	Pink
193339	Pkg. 1	192765	Pkg. 50	5	58	Tan
193340	Pkg. 1	192766	Pkg. 50	7.5	58	Brown
193341	Pkg. 1	192767	Pkg. 100	10	58	Red
193342	Pkg. 1	192768	Pkg. 100	15	58	Blue
193343	Pkg. 1	192769	Pkg. 100	20	58	Yellow
193344	Pkg. 1	192770	Pkg. 100	25	58	Nature
193345	Pkg. 1	192771	Pkg. 100	30	58	Green

MINI BLADE



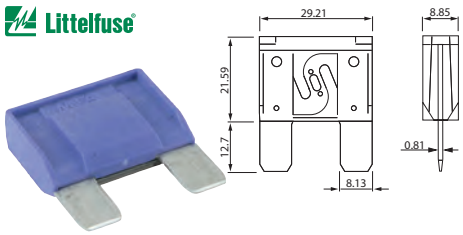
HC-CARGO	Std pkg	HC-CARGO	Std pkg	Ampere	Voltage	Colour
193326	Pkg. 1	191465	Pkg. 50	2	32	Grey
193327	Pkg. 1	191466	Pkg. 50	3	32	Purple
193328	Pkg. 1	191467	Pkg. 50	4	32	Pink
193329	Pkg. 1	191468	Pkg. 50	5	32	Tan
193330	Pkg. 1	191469	Pkg. 50	7.5	32	Brown
193331	Pkg. 1	191470	Pkg. 50	10	32	Red
193332	Pkg. 1	191471	Pkg. 50	15	32	Blue
193333	Pkg. 1	191472	Pkg. 50	20	32	Yellow
193334	Pkg. 1	191473	Pkg. 50	25	32	Nature
193335	Pkg. 1	191474	Pkg. 50	30	32	Green

ATO BLADE



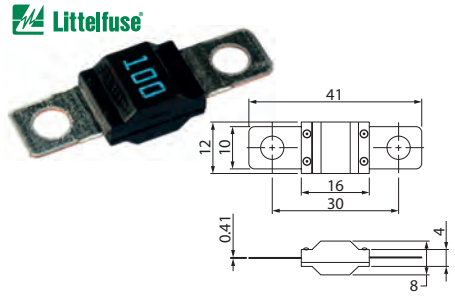
HC-CARGO	Std pkg	HC-CARGO	Std pkg	Ampere	Voltage	Colour
193273	Pkg. 1	191475	Pkg. 50	1	32	Black
193274	Pkg. 1	191476	Pkg. 50	2	32	Grey
193275	Pkg. 1	190053	Pkg. 50	3	32	Purple
193276	Pkg. 1	190054	Pkg. 50	4	32	Pink
193277	Pkg. 1	190055	Pkg. 50	5	32	Tan
193278	Pkg. 1	190056	Pkg. 50	7.5	32	Brown
193279	Pkg. 1	190057	Pkg. 50	10	32	Red
193280	Pkg. 1	190058	Pkg. 50	15	32	Blue
193281	Pkg. 1	190059	Pkg. 50	20	32	Yellow
193282	Pkg. 1	190060	Pkg. 50	25	32	Nature
193283	Pkg. 1	190061	Pkg. 50	30	32	Green
193284	Pkg. 1	192165	Pkg. 50	35	32	Dark blue
193285	Pkg. 1	191664	Pkg. 50	40	32	Orange

MAXI BLADE



HC-CARGO	Std pkg	HC-CARGO	Std pkg	Ampere	Voltage	Colour
193286	Pkg. 1	191249	Pkg. 10	20	32	Yellow
193287	Pkg. 1	191250	Pkg. 10	30	32	Green
193288	Pkg. 1	191251	Pkg. 10	40	32	Orange
193289	Pkg. 1	191252	Pkg. 10	50	32	Red
193290	Pkg. 1	191253	Pkg. 10	60	32	Blue
193291	Pkg. 1	191254	Pkg. 10	70	32	Beige
193292	Pkg. 1	191255	Pkg. 10	80	32	Nature
193293	Pkg. 1	191256	Pkg. 10	100	32	Purple

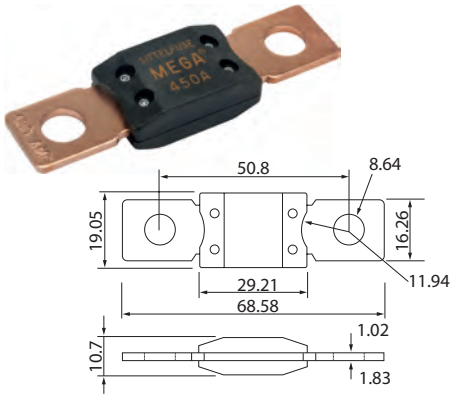
MIDI



HC-CARGO	Std pkg	HC-CARGO	Std pkg	Ampere	Voltage	Colour
193309	Pkg. 1	192427	Pkg. 10	30	32	Orange
193310	Pkg. 1	192428	Pkg. 10	40	32	Green
193311	Pkg. 1	192429	Pkg. 10	50	32	Red
193312	Pkg. 1	192430	Pkg. 10	60	32	Yellow
193313	Pkg. 1	192431	Pkg. 10	70	32	Brown
193314	Pkg. 1	192432	Pkg. 10	80	32	White
193315	Pkg. 1	192433	Pkg. 10	100	32	Blue
193316	Pkg. 1	192434	Pkg. 10	125	32	Pink
193317	Pkg. 1	192435	Pkg. 10	150	32	Grey
193318	Pkg. 1	192976	Pkg. 10	200	32	Purple

MEGA

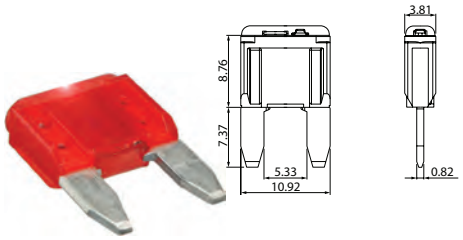
Littelfuse



HC-CARGO	Std pkg	HC-CARGO	Std pkg	Ampere	Voltage	Colour
193294	Pkg. 1	192791	Pkg. 5	40	32	
193295	Pkg. 1	192792	Pkg. 5	60	32	
193296	Pkg. 1	192793	Pkg. 5	80	32	Red
193297	Pkg. 1	192049	Pkg. 5	100	32	Yellow
193298	Pkg. 1	192050	Pkg. 5	125	32	Green
193299	Pkg. 1	192051	Pkg. 5	150	32	Red
193300	Pkg. 1	192052	Pkg. 5	175	32	White
193301	Pkg. 1	192053	Pkg. 5	200	32	Blue
193302	Pkg. 1	192229	Pkg. 5	225	32	Brown
193303	Pkg. 1	192230	Pkg. 5	250	32	Pink
193304	Pkg. 1	192231	Pkg. 5	300	32	Grey
193305	Pkg. 1	192977	Pkg. 5	350	32	Green
193306	Pkg. 1	192978	Pkg. 5	400	32	Purple
193307	Pkg. 1	192979	Pkg. 5	450	32	Yellow
193308	Pkg. 1	192980	Pkg. 5	500	32	Brown

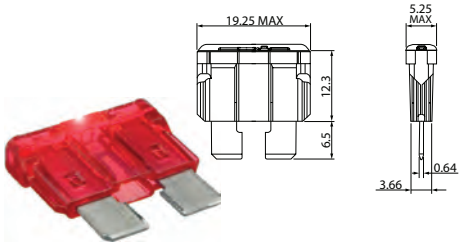
SMART GLOW

MINI



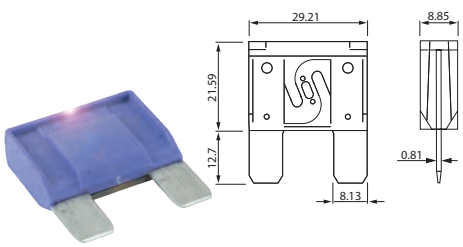
HC-CARGO	Std pkg	HC-CARGO	Std pkg	Ampere	Voltage	Colour
193538	Pkg. 1	193530	Pkg. 100	3	32	Purple
193539	Pkg. 1	193531	Pkg. 100	5	32	Tan
193540	Pkg. 1	193532	Pkg. 100	7.5	32	Brown
193541	Pkg. 1	193533	Pkg. 100	10	32	Red
193542	Pkg. 1	193534	Pkg. 100	15	32	Blue
193543	Pkg. 1	193535	Pkg. 100	20	32	Yellow
193544	Pkg. 1	193536	Pkg. 100	25	32	Transparent
193545	Pkg. 1	193537	Pkg. 100	30	32	Green

ATO



HC-CARGO	Std pkg	HC-CARGO	Std pkg	Ampere	Voltage	Colour
193555	Pkg. 1	193547	Pkg. 100	3	32	Purple
193556	Pkg. 1	193548	Pkg. 100	5	32	Tan
193557	Pkg. 1	193549	Pkg. 100	7.5	32	Brown
193558	Pkg. 1	193550	Pkg. 100	10	32	Red
193559	Pkg. 1	193551	Pkg. 100	15	32	Blue
193560	Pkg. 1	193552	Pkg. 100	20	32	Yellow
193561	Pkg. 1	193553	Pkg. 100	25	32	Transparent
193562	Pkg. 1	193554	Pkg. 100	30	32	Green

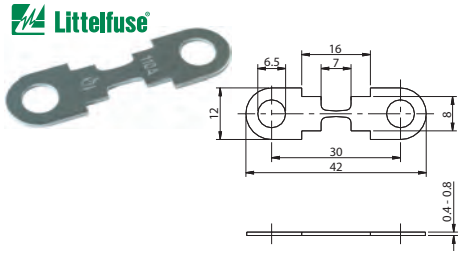
MAXI



HC-CARGO	Std pkg	HC-CARGO	Std pkg	Ampere	Voltage	Colour
193572	Pkg. 1	193564	Pkg. 100	20	32	Yellow
193573	Pkg. 1	193565	Pkg. 100	30	32	Green
193574	Pkg. 1	193566	Pkg. 100	40	32	Orange
193575	Pkg. 1	193567	Pkg. 100	50	32	Red
193576	Pkg. 1	193568	Pkg. 100	60	32	Blue
193577	Pkg. 1	193569	Pkg. 100	70	32	Beige
193578	Pkg. 1	193570	Pkg. 100	80	32	Transparent
193579	Pkg. 1	193571	Pkg. 100	100	32	Purple

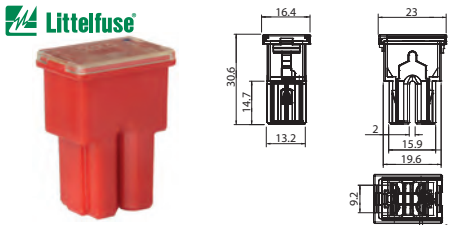
HSB

Littelfuse



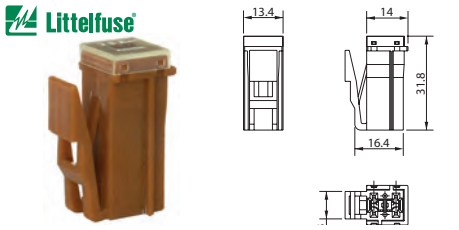
HC-CARGO	Std pkg	Ampere	Voltage	Dim.
192803	Pkg. 10	110	32	42x12 mm
192804	Pkg. 10	150	32	42x12 mm
192805	Pkg. 10	175	32	42x12 mm
192798	Pkg. 10	30	32	42x12 mm
192799	Pkg. 10	40	32	42x12 mm
192800	Pkg. 10	50	32	42x12 mm
192801	Pkg. 10	60	32	42x12 mm
192802	Pkg. 10	80	32	42x12 mm

PAL 293



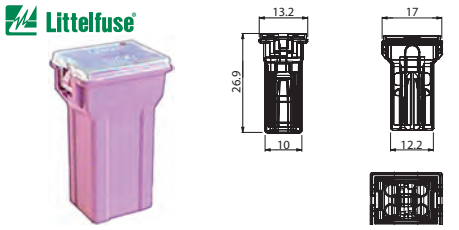
HC-CARGO	Std pkg	Ampere	Voltage	Colour
191638	Pkg. 5	20	32	Blue
191152	Pkg. 5	30	32	Pink
191153	Pkg. 5	40	32	Green
191970	Pkg. 5	50	32	Red
191154	Pkg. 5	60	32	Yellow

PAL 2935



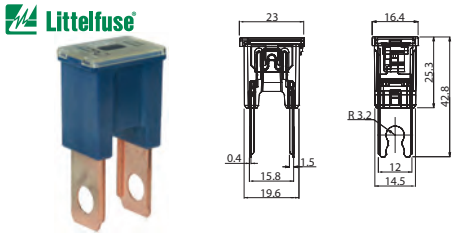
HC-CARGO	Std pkg	Ampere	Voltage	Colour
191830	Pkg. 5	25	32	Brown
191831	Pkg. 5	30	32	Green
191832	Pkg. 5	45	32	Red
191833	Pkg. 5	65	32	Black
191834	Pkg. 5	75	32	Grey

PAL 2938



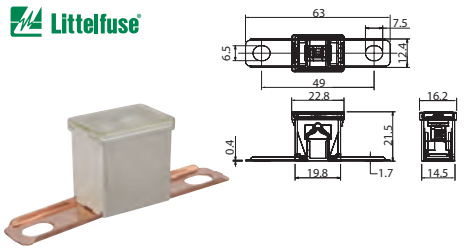
HC-CARGO	Std pkg	Ampere	Voltage	Colour
191672	Pkg. 10	30	32	Pink
191673	Pkg. 5	40	32	Green

PAL 294



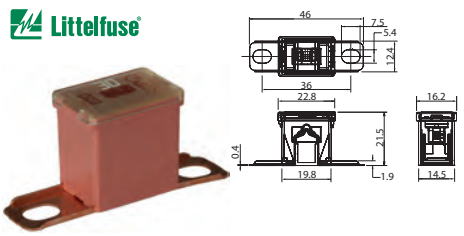
HC-CARGO	Std pkg	Ampere	Voltage	Colour
191155	Pkg. 5	30	32	Pink
191973	Pkg. 5	40	32	Green
191974	Pkg. 10	50	32	Red
191156	Pkg. 5	60	32	Yellow
191975	Pkg. 5	70	32	Brown
191157	Pkg. 10	80	32	Black
191971	Pkg. 5	100	32	Dark blue
192760	Pkg. 5	120	32	White

PAL 295



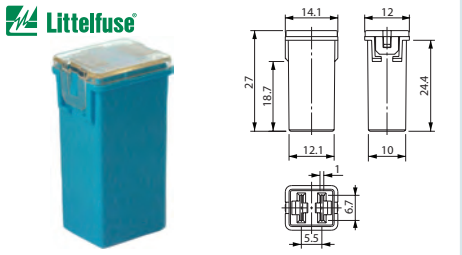
HC-CARGO	Std pkg	Ampere	Voltage	Colour
191628	Pkg. 5	30	32	Pink
191629	Pkg. 5	40	32	Green
191630	Pkg. 5	50	32	Red
191631	Pkg. 5	60	32	Yellow
191632	Pkg. 5	70	32	Brown
191972	Pkg. 5	80	32	Black
191977	Pkg. 5	100	32	Dark blue
192982	Pkg. 5	120	32	White

PAL 283



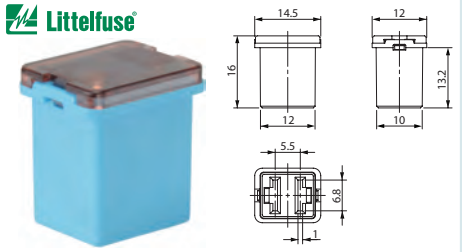
HC-CARGO	Std pkg	Ampere	Voltage	Colour
191633	Pkg. 5	30	32	Pink
191634	Pkg. 5	40	32	Green
191635	Pkg. 5	50	32	Red
191636	Pkg. 5	60	32	Yellow
191637	Pkg. 5	70	32	Brown
191976	Pkg. 5	80	32	Black
191978	Pkg. 5	100	32	Dark blue
192981	Pkg. 5	120	32	White

PAL JCASE



HC-CARGO	Std pkg	Ampere	Voltage	Colour
192105	Pkg. 5	20	32	Blue
192106	Pkg. 5	30	32	Pink
192107	Pkg. 5	40	32	Green
192108	Pkg. 5	50	32	Red
192109	Pkg. 5	60	32	Yellow

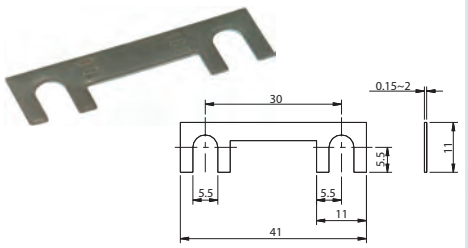
PAL LOW PROFILE



HC-CARGO	Std pkg	Ampere	Voltage	Colour
192779	Pkg. 5	20	58	Blue
192780	Pkg. 5	25	58	White
192781	Pkg. 5	30	58	Pink
192782	Pkg. 5	40	58	Green
192783	Pkg. 5	50	58	Red
192784	Pkg. 5	60	58	Yellow

STRIP

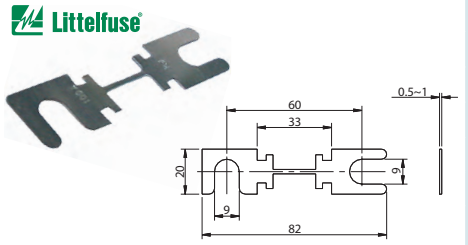
30 MM



HC-CARGO	Std pkg	Ampere	Voltage	Length	Lever dim.	DIN norm
191189	Pkg. 10	100	36	41 mm	5.5 mm	72581/2
192338	Pkg. 10	150	36	41 mm	5.5 mm	72581/2
192705	Pkg. 10	25	36	41 mm	5.5 mm	72581/2
191184	Pkg. 10	30	36	41 mm	5.5 mm	72581/2
191185	Pkg. 10	40	36	41 mm	5.5 mm	72581/2
191186	Pkg. 10	50	36	41 mm	5.5 mm	72581/2
191187	Pkg. 10	60	36	41 mm	5.5 mm	72581/2
191188	Pkg. 10	80	36	41 mm	5.5 mm	72581/2

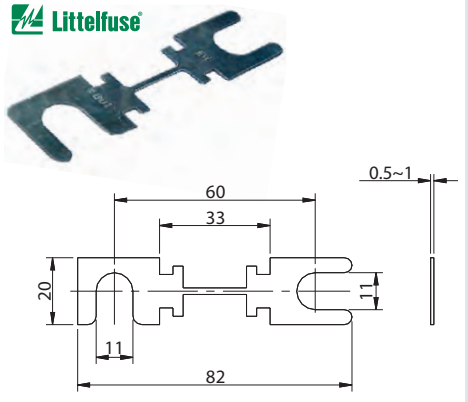
60 MM

9 MM



HC-CARGO	Std pkg	Ampere	Voltage	Length	Lever dim.	DIN norm
192300	Pkg. 10	100	48	82 mm	9 mm	43560
192301	Pkg. 10	125	48	82 mm	9 mm	43560
192302	Pkg. 10	160	48	82 mm	9 mm	43560
192303	Pkg. 10	200	48	82 mm	9 mm	43560
192304	Pkg. 10	250	48	82 mm	9 mm	43560
192298	Pkg. 10	50	48	82 mm	9 mm	43560
192299	Pkg. 10	80	48	82 mm	9 mm	43560

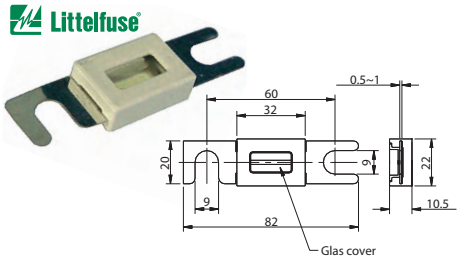
11 MM



HC-CARGO	Std pkg	Ampere	Voltage	Length	Lever dim.	DIN norm
192308	Pkg. 10	100	48	82 mm	11 mm	43560
192309	Pkg. 10	125	48	82 mm	11 mm	43560
192310	Pkg. 10	160	48	82 mm	11 mm	43560
192311	Pkg. 10	200	48	82 mm	11 mm	43560
192312	Pkg. 10	250	48	82 mm	11 mm	43560
192313	Pkg. 10	300	48	82 mm	11 mm	43560
192305	Pkg. 10	35	48	82 mm	11 mm	43560
192314	Pkg. 10	355	48	82 mm	11 mm	43560
192315	Pkg. 10	425	48	82 mm	11 mm	43560
192306	Pkg. 10	50	48	82 mm	11 mm	43560
192316	Pkg. 10	500	48	82 mm	11 mm	43560
192307	Pkg. 10	80	48	82 mm	11 mm	43560

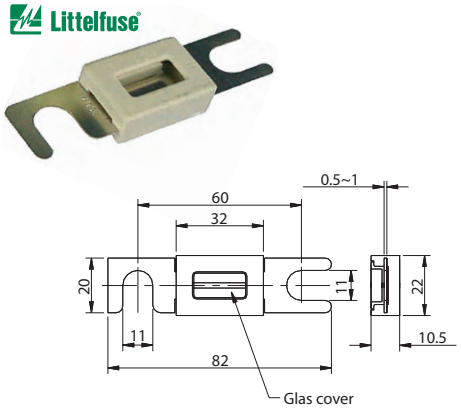
60 MM, CLOSED TYPE

9 MM



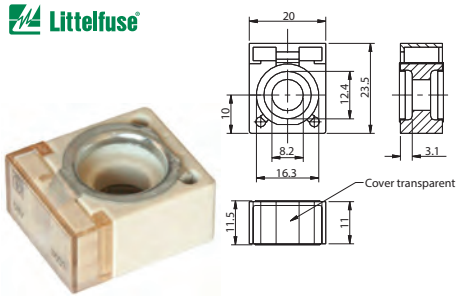
HC-CARGO	Std pkg	Ampere	Voltage	Length	Lever dim.	DIN norm
192320	Pkg. 5	100	48	82 mm	9 mm	43560
192321	Pkg. 5	125	48	82 mm	9 mm	43560
192322	Pkg. 1	160	48	82 mm	9 mm	43560
192323	Pkg. 5	200	48	82 mm	9 mm	43560
192324	Pkg. 5	250	48	82 mm	9 mm	43560
192317	Pkg. 5	35	48	82 mm	9 mm	43560
192318	Pkg. 5	50	48	82 mm	9 mm	43560
192319	Pkg. 5	80	48	82 mm	9 mm	43560

11 MM



HC-CARGO	Std pkg	Ampere	Voltage	Length	Lever dim.	DIN norm
192328	Pkg. 5	100	48	82 mm	11 mm	43560
192329	Pkg. 5	125	48	82 mm	11 mm	43560
192330	Pkg. 5	160	48	82 mm	11 mm	43560
192331	Pkg. 5	200	48	82 mm	11 mm	43560
192332	Pkg. 5	250	48	82 mm	11 mm	43560
192333	Pkg. 5	275	48	82 mm	11 mm	43560
192334	Pkg. 5	300	48	82 mm	11 mm	43560
192325	Pkg. 5	35	48	82 mm	11 mm	43560
192335	Pkg. 5	355	48	82 mm	11 mm	43560
192336	Pkg. 5	425	48	82 mm	11 mm	43560
192326	Pkg. 5	50	48	82 mm	11 mm	43560
192337	Pkg. 5	500	48	82 mm	11 mm	43560
192327	Pkg. 5	80	48	82 mm	11 mm	43560

COMPACT



HC-CARGO	Std pkg	Ampere	Voltage	Length	DIN norm	
192540	Pkg. 5	100	58	20x23.5 mm	72581/3F	*w/ ceramic body.*
192541	Pkg. 5	125	58	20x23.5 mm	72581/3F	*w/ ceramic body.*
192542	Pkg. 5	150	58	20x23.5 mm	72581/3F	*w/ ceramic body.*
192543	Pkg. 5	175	58	20x23.5 mm	72581/3F	*w/ ceramic body.*
192544	Pkg. 5	200	58	20x23.5 mm	72581/3F	*w/ ceramic body.*
192545	Pkg. 5	250	58	20x23.5 mm	72581/3F	*w/ ceramic body.*
192546	Pkg. 5	300	58	20x23.5 mm	72581/3F	*w/ ceramic body.*
192538	Pkg. 5	50	58	20x23.5 mm	72581/3F	*w/ ceramic body.*
192539	Pkg. 5	75	58	20x23.5 mm	72581/3F	*w/ ceramic body.*

ACCESSORIES

192547 Battery Terminal — Std pkg 5 — **Servicing:** Compact fuses - Visit our web catalogue for further information

Littelfuse

Amp: 250 | **Polarity:** Positive | **No./connections:** 1 | **Tin plated:** Yes

192548 Battery Terminal — Std pkg 5 — **Servicing:** Compact fuses - Visit our web catalogue for further information

Littelfuse

Amp: 250 | **Polarity:** Positive | **No./connections:** 2 | **Tin plated:** Yes

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

192549 Nut — Std pkg 1 — **Servicing:** Compact fuses - Visit our web catalogue for further information

Littelfuse

Spanner size: 19 mm

FUSE CARDS

TORPEDO TYPE

190002 Fuse Card — Std pkg 1

Contains: 1x5 A, 4x8 A, 3x16 A, 1x25 A, 1x2 A.

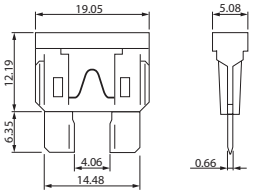
Voltage: 36

Type: Torpedo

ATO BLADE TYPE

190004 Fuse Card — Std pkg 1

Contains: 1x3 A, 1x5 A, 1x7.5 A, 2x10 A, 1x15 A, 2x20 A, 1x25 A, 1x30 A.



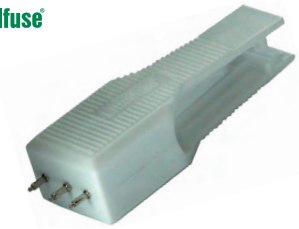
Voltage: 32

Type: ATO

TESTER/EXTRACTORS

210702 Fuse Tester/Puller — Std pkg 1 — **Servicing:** Mini and ATO blade fuses. Max 24 V - Visit our web catalogue for further information

Littelfuse



210841 Extractor — Std pkg 10 — **Servicing:** Mini and ATO blade fuse - Visit our web catalogue for further information

Littelfuse

210842 Extractor — Std pkg 10 — **Servicing:** Maxi fuses - Visit our web catalogue for further information

Littelfuse

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

VARIOUS

192861 Fuse — Std pkg 10 — **Servicing:** HC-CARGO 211101, 211102

Voltage: 250
Amp: 10

Dim.: 31x6 mm

For test equipment: For test equipment

192862 Fuse — Std pkg 1 — **Servicing:** HC-CARGO 211101

Voltage: 250
Amp: 10

Dim.: 25x6 mm

For test equipment: For test equipment

FUSE BOXES

TORPEDO TYPE

190768 Fuse Box — Std pkg 1

w/ 8 A fuse.

Type/fuse: Torpedo
Plug type: Screw
Bracket colour: Transparent
Outlets: 2 way
No./fuses: 2
Fuse incl.: Yes

190770 Fuse Box — Std pkg 1

w/ 8 A fuse.

Type/fuse: Torpedo
Plug type: Screw
Bracket colour: Transparent
Outlets: 4 way
No./fuses: 4
Fuse incl.: Yes

190772 Fuse Box — Std pkg 1

w/ 8 A fuse.

Type/fuse: Torpedo
Plug type: Screw
Bracket colour: Transparent
Outlets: 6 way
No./fuses: 6
Fuse incl.: Yes

190774 Fuse Box — Std pkg 1

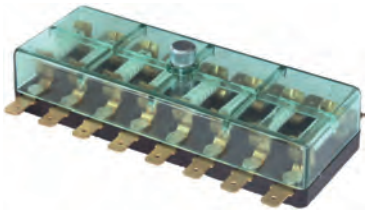
w/ 8 A fuse.

Type/fuse: Torpedo
Plug type: Screw
Bracket colour: Transparent
Outlets: 8 way
No./fuses: 8
Fuse incl.: Yes

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

190775 Fuse Box — Std pkg 1

w/ 8 A fuse.



Type/fuse: Torpedo
Plug type: Flat
Bracket colour: Transparent
Outlets: 8 way
No./fuses: 8
Fuse incl.: Yes

ATO BLADE TYPE

191161 Fuse Box — Std pkg 1

Type/fuse: ATO
Plug type: Flat
Bracket colour: Transparent
Outlets: 4 way
No./fuses: 4
Fuse incl.: No

191162 Fuse Box — Std pkg 1

Type/fuse: ATO
Plug type: Flat
Bracket colour: Transparent
Outlets: 6 way
No./fuses: 6
Fuse incl.: No

191163 Fuse Box — Std pkg 1

Type/fuse: ATO
Plug type: Flat
Bracket colour: Transparent
Outlets: 8 way
No./fuses: 8
Fuse incl.: No

191164 Fuse Box — Std pkg 1

Type/fuse: ATO
Plug type: Flat
Bracket colour: Transparent
Outlets: 4 way
No./fuses: 4
Fuse incl.: No

191165 Fuse Box — Std pkg 1

Type/fuse: ATO
Plug type: Flat
Bracket colour: Transparent
Outlets: 6 way
No./fuses: 6
Fuse incl.: No

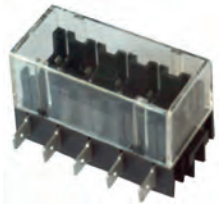
191409 Fuse Box — Std pkg 1

Kit set w/ cover, terminlas and terminal lock. Can be assembled in rows.

Type/fuse: ATO
Plug type: Flat
Bracket colour: Transparent
Outlets: 16 way
No./fuses: 16
Fuse incl.: No

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

192057 Fuse Box — Std pkg 1 — **Servicing:** Blade fuses up to 15 A - Visit our web catalogue for further information

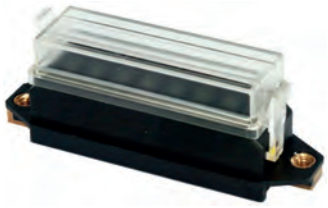


Type/fuse: ATO
Plug type: Flat, Horizontal
Bracket colour: Transparent
Outlets: 5 way
No./fuses: 5
Fuse incl.: No

192058 Fuse Box — Std pkg 1 — **Servicing:** Blade fuses up to 15 A - Visit our web catalogue for further information

Type/fuse: ATO
Plug type: Flat, Vertical
Bracket colour: Transparent
Outlets: 5 way
No./fuses: 5
Fuse incl.: No

192484 Fuse Box — Std pkg 1



Type/fuse: ATO
Plug type: Flat, Vertical
Bracket colour: Transparent
Outlets: 8 way
No./fuses: 8
Fuse incl.: No

192685 Fuse Box — Std pkg 1

Multi Socket Set: HC-CARGO 192686.

Type/fuse: ATO
Plug type: Flat, Vertical
Bracket colour: Transparent
Outlets: 8 way
No./fuses: 8
Fuse incl.: No

192686 Multi Socket Set — Std pkg 1 — **Servicing:** HC-CARGO 192685

w/ 4 multi plugs and 2 connectors in each.

Plug: Multiplug

FUSE HOLDERS

TORPEDO TYPE

190273 Fuse Holder — Std pkg 10

Amp/max: 8

Type/fuse: Torpedo
Plug type: Screw

191012 Fuse Holder — Std pkg 10

w/ 16 A fuse.

Amp/max: 16

Type/fuse: Torpedo
Plug type: Screw

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

GLASS TYPE

190957 Fuse Holder — Std pkg 1

w/ 2 A radio fuse.

Amp/max: <2

Type/fuse: Radio glass
Cable incl.: Yes

MINI BLADE TYPE

191768 Fuse Holder — Std pkg 10

Littelfuse

Amp/max: 20

Cable dim. max:
2 mm²

Type/fuse: Mini blade
Material: Rubber
Splash proof: Yes
Cable incl.: Yes

191769 Fuse Holder — Std pkg 10

Littelfuse

Amp/max: 30

Cable dim. max:
3 mm²

Type/fuse: Mini blade
Material: Rubber
Splash proof: Yes
Cable incl.: Yes

ATO BLADE TYPE

190870 Fuse Holder — Std pkg 10

Scotch lock type.

Cable dim. max:
2 mm²
Cable dia. min:
0.8 mm²

Type/fuse: ATO
Colour: Blue

191001 Fuse Holder — Std pkg 10

Can be assembled in rows.

Littelfuse

Type/fuse: ATO
Plug type: Flat

191054 Fuse Holder — Std pkg 20 — **Servicing:** HC-CARGO 191774

Can be assembled in rows. Fixing Plate: HC-CARGO 191053. Cover: HC-CARGO 191055.

Amp/max: 20

Type/fuse: ATO
Plug type: Flat

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
191640 Fuse Holder Std pkg 10			
Littelfuse	**Amp/max:** 20	**Cable dim. max:** 1.3 mm²	**Type/fuse:** ATO **Material:** Rubber **Splash proof:** Yes **Cable incl.:** Yes
191680 Fuse Holder Std pkg 10			
Littelfuse	**Amp/max:** 30	**Cable dim. max:** 3.3 mm²	**Type/fuse:** ATO **Material:** Rubber **Splash proof:** Yes **Cable incl.:** Yes
191774 Fuse Holder Kit Std pkg 1			
Contains: 1x HC-CARGO 191053. 1x HC-CARGO 191054. 1x HC-CARGO 191055.			
	Amp/max: 20		**Type/fuse:** ATO
192631 Fuse Holder Std pkg 10			
w/ secondary lock. w/ cover and silicone gasket. Terminal: HC-CARGO 191870, 191871, 191872. Single wire seal: HC-CARGO 192647. Fixing Plate: HC-CARGO 192638, 192639.			
	Amp/max: 5		**Type/fuse:** ATO **Colour:** Nature **Splash proof:** Yes **Holder incl.:** No
192632 Fuse Holder Std pkg 10			
w/ secondary lock. w/ cover and silicone gasket. Terminal: HC-CARGO 191870, 191871, 191872. Single wire seal: HC-CARGO 192647.			
	Amp/max: 7.5		**Type/fuse:** ATO **Colour:** Brown **Splash proof:** Yes **Holder incl.:** No
192633 Fuse Holder Std pkg 10			
w/ secondary lock. w/ cover and silicone gasket. Terminal: HC-CARGO 191870, 191871, 191872. Single wire seal: HC-CARGO 192647.			
	Amp/max: 10		**Type/fuse:** ATO **Colour:** Red **Splash proof:** Yes **Holder incl.:** No
192634 Fuse Holder Std pkg 10			
w/ secondary lock. w/ cover and silicone gasket. Terminal: HC-CARGO 191870, 191871, 191872. Single wire seal: HC-CARGO 192647.			
	Amp/max: 15		**Type/fuse:** ATO **Colour:** Blue **Splash proof:** Yes **Holder incl.:** No

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

192635 Fuse Holder Std pkg 10 **Servicing:** Universal - Visit our web catalogue for further information

w/ secondary lock. w/ cover and silicone gasket. Terminal: HC-CARGO 191870, 191871, 191872. Single wire seal: HC-CARGO 192647.

Amp/max: 20

Type/fuse: ATO
Colour: Yellow
Splash proof: Yes
Holder incl.: No

192636 Fuse Holder Std pkg 10

w/ secondary lock. w/ cover and silicone gasket. Terminal: HC-CARGO 191870, 191871, 191872. Single wire seal: HC-CARGO 192647.

Amp/max: 25

Type/fuse: ATO
Colour: White
Splash proof: Yes
Holder incl.: No

192637 Fuse Holder Std pkg 10

w/ secondary lock. w/ cover and silicone gasket. Terminal: HC-CARGO 191870, 191871, 191872. Single wire seal: HC-CARGO 192647. Fixing Plate: HC-CARGO 192638, 192639.

Amp/max: 30

Type/fuse: ATO
Colour: Green
Splash proof: Yes
Holder incl.: No

192759 Fuse Holder Std pkg 10 **Servicing:** HC-CARGO 191411, 191412, 191413, 191870, 191871, 191872

Can be assembled in rows. w/o terminals.

Type/fuse: ATO

192794 Fuse Holder Std pkg 10

w/ mounting bracket. Can be built together w/ relay multi plug. Terminal: HC-CARGO 192986.

Type/fuse: ATO
Plug type: Flat

MAXI BLADE TYPE

191257 Maxi Blade Fuse Holder Std pkg 5 **Servicing:** HC-CARGO 191775

To be assembled in rows. w/o terminals. Terminals: HC-CARGO 191260, 191261, 191262 (2 pcs). Cover: HC-CARGO 191258. Fixing Plate: HC-CARGO 191259.

Type/fuse: Maxi blade
Alternativ no.: 193294

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

191775 Maxi Blade Fuse Holder Kit Std pkg 1

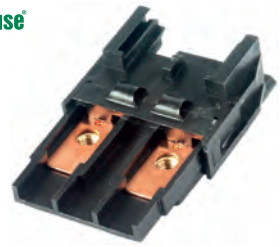
Contains: 1x HC-CARGO 191257. 1x HC-CARGO 191258. 1x HC-CARGO 191259. 2x HC-CARGO 191261.

Type/fuse: Maxi blade

192132 Maxi Blade Fuse Holder Std pkg 5 **Servicing:** HC-CARGO 192137, 192136

To be assembled in rows. w/o terminals. w/ bracket. Terminals: HC-CARGO 192134, 192135 (2 pcs). Cover: HC-CARGO 192133.

Littelfuse



Amp/max: 80

Type/fuse: Maxi blade

192136 Maxi Blade Fuse Holder Kit Std pkg 1

Contains: 1x HC-CARGO 192132, 192133. 2x HC-CARGO 192134, 191554, 190612.

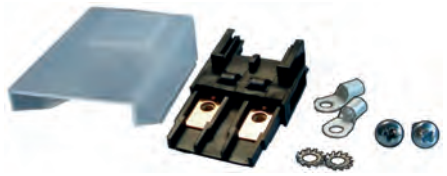
Amp/max: 80

Cable dim. max: 6 mm²
Cable dia. min: 2.5 mm²

Type: Set
Type/fuse: Maxi blade

192137 Maxi Blade Fuse Holder Kit Std pkg 1

Contains: 1x HC-CARGO 192132, 192133. 2x HC-CARGO 192135, 191554, 190612.



Amp/max: 80

Cable dim. max: 10 mm²
Cable dia. min: 5 mm²

Type: Set
Type/fuse: Maxi blade

192421 Maxi Blade Fuse Holder Kit Std pkg 1

Contains: 1 splash/waterproof holder, 1 cover, 2 terminals for 4-6 mm cable (HC-CARGO 192486), 2 rubber wire seals.

Littelfuse

Amp/max: 60

Cable dim. max: 6 mm²
Cable dia. min: 4 mm²

Type: Set
Type/fuse: Maxi blade
Splash proof: Yes
Holder incl.: Yes
Cable incl.: Yes

192422 Maxi Blade Fuse Holder Kit Std pkg 1

Contains: 1 cover, 2 terminals for 6-10 mm cable, 2 rubber wire seals.

Littelfuse

Amp/max: 60

Cable dim. max: 10 mm²
Cable dia. min: 6 mm²

Type: Set
Type/fuse: Maxi blade
Splash proof: Yes
Holder incl.: Yes
Cable incl.: Yes

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

192687 Maxi Blade Fuse Holder Kit Std pkg 1

Contains: 1 splash waterproof holder, 1 cover, 2 terminals for 16 mm² cable and 2 wireseals.

193016 Fuse Holder Std pkg 1

Littelfuse

Amp/max: 60

Cable dia. min: 1.3 mm²

Type/fuse: Maxi
Colour: Black
Cable incl.: Yes

MIDI TYPE

192436 Fuse Holder Std pkg 1

Littelfuse

Amp/max: 200

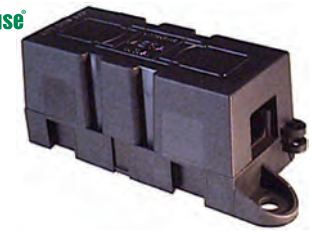
Type/fuse: Midi

MEGA TYPE

192055 Mega Blade Fuse Holder Std pkg 1

2 screws M8.

Littelfuse



Amp/max: 500

Type/fuse: Mega
Plug type: Screw

192423 Mega Blade Fuse Holder Std pkg 1

2 screws M8. Cover: HC-CARGO 192424.

Littelfuse

Amp/max: 250

Type/fuse: Mega
Plug type: Screw
Splash proof: Yes

MICRO BLADE TYPE

192864 Fuse Holder Std pkg 10

Littelfuse

Amp/max: 10

Type/fuse: Micro
Colour: Black
Material: Shockproof plastic
Splash proof: Yes
Cable incl.: Yes

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

JCASE TYPE

192952 Fuse Holder — Std pkg 1

Can be used togehter w/ JCase + JCase low profile fuses.

Amp/max: 60

Type: Single
Type/fuse: JCase
Colour: Black
Material: Rubber
Splash proof: Yes
Cable incl.: Yes

VARIOUS

191190 Fuse Holder — Std pkg 10

w/o fuse. w/ 2xM5 screws and washers.

Type/fuse: DIN 72581 strip

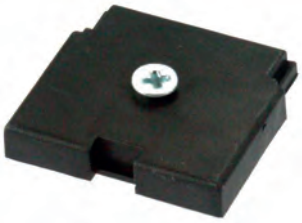
192344 Fuse Holder — Std pkg 1

2 screws M10. w/o fuse.

Type: Single
Type/fuse: DIN 43560 strip
Plug type: Screw

ACCESSORIES

191053 Fixing Plate — Std pkg 25 — **Servicing:** HC-CARGO 191054, 191774

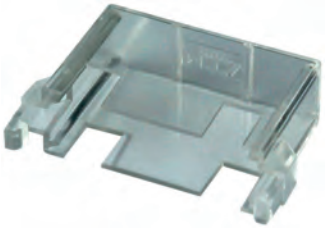


Type/fuse: ATO

191055 Cover — Std pkg 25 — **Servicing:** HC-CARGO 191054, 191774

Type/fuse: ATO
Material: Polycarbonate

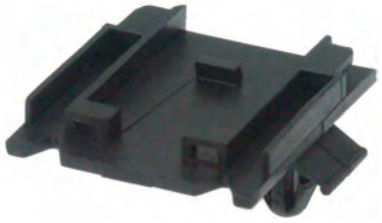
191258 Cover — Std pkg 10 — **Servicing:** HC-CARGO 191257, 191775



Type/fuse: Maxi

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

191259 Fixing Plate — Std pkg 10 — **Servicing:** HC-CARGO 191257, 191775



Type/fuse: Maxi

192133 Cover — Std pkg 10 — **Servicing:** HC-CARGO 192132, 192136, 192137

Type/fuse: Maxi

192424 Cover — Std pkg 1 — **Servicing:** HC-CARGO 192423

Type/fuse: Mega

192638 Fixing Plate — Std pkg 10 — **Servicing:** HC-CARGO 192631, 192637

Type/fuse: ATO
Mount.: Screw

192639 Fixing Plate — Std pkg 10 — **Servicing:** HC-CARGO 192631, 192637

Type/fuse: ATO
Mount.: Screw

ADAPTERS

192419 Fuse Adapter — Std pkg 5

For ATO blade fuse up to 10 A. Adapter for installation of extra fuse for accessories.

Voltage: 12
Amp: <10

Type: ATO
Terminals: 2

192420 Fuse Adapter — Std pkg 5

For Mini blade fuse up to 10 A. Adapter for installation of extra fuse for accessories. A safe and economical alternative to splicing.

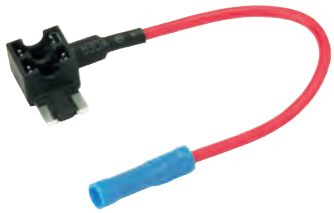
Voltage: 12
Amp: <10

Type: Mini blade
Terminals: 2

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

193265 Fuse Adapter — Std pkg 5

For Mini Low Profile fuse up to 10 A. Adapter for installation of extra fuse for accessories.



Voltage: 12
Amp: 10

Type: Mini Low Profile
Terminals: 2

INDICATOR LIGHTS

180014 Indicator Light — Std pkg 5

Voltage: 12

Mount. hole size:
17 mm

Socket type: BA9s
Colour: Blue
Material: Shockproof plastic
No./terminals w/screw: 2
Bulb incl.: Yes
DIN norm: 72601

180015 Indicator Light — Std pkg 5

Voltage: 12

Mount. hole size:
17 mm

Socket type: BA9s
Colour: Orange
Material: Shockproof plastic
No./terminals w/screw: 2
Bulb incl.: No
DIN norm: 72601

180016 Indicator Light — Std pkg 5

Voltage: 12

Mount. hole size:
17 mm

Socket type: BA9s
Colour: Green
Material: Shockproof plastic
No./terminals w/screw: 2
Bulb incl.: Yes
DIN norm: 72601

180017 Indicator Light — Std pkg 5

Voltage: 12

Mount. hole size:
17 mm

Socket type: BA9s
Colour: Red
Material: Shockproof plastic
No./terminals w/screw: 2
Bulb incl.: Yes
DIN norm: 72601

180343 Indicator Light — Std pkg 5

Voltage: 12

Terminals: 2.8 mm
Mount. hole size:
10 mm

Type/terminal: Flat
Colour: Orange
Material: Shockproof plastic
Terminals: 2
Bulb incl.: Yes

180344 Indicator Light — Std pkg 5

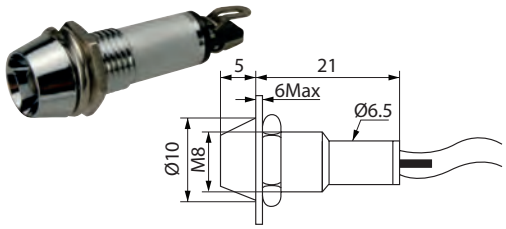
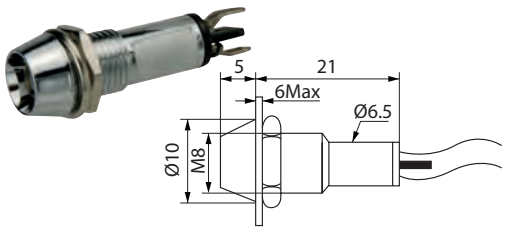
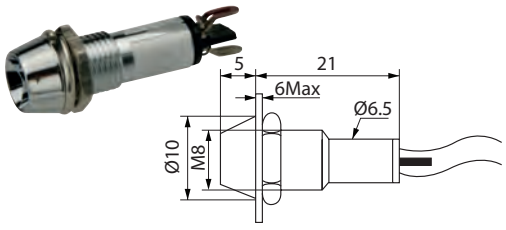
Voltage: 12

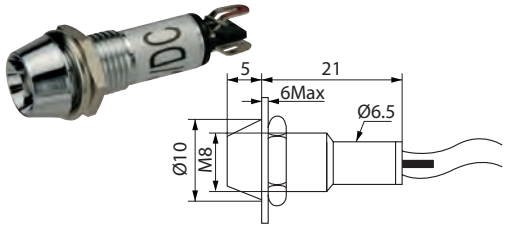
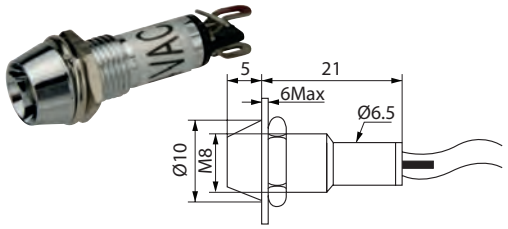
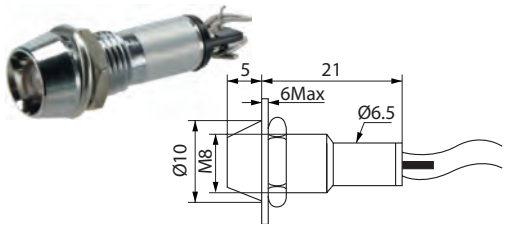
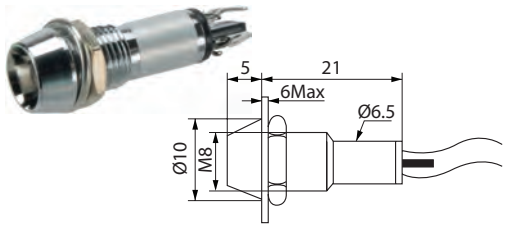
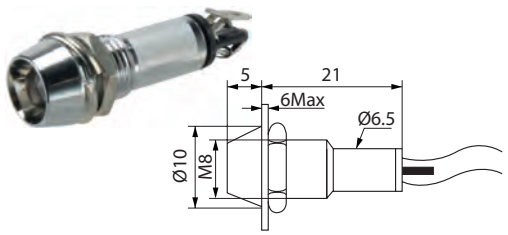
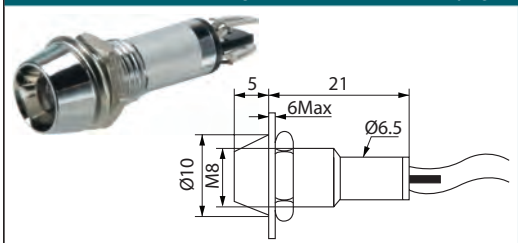
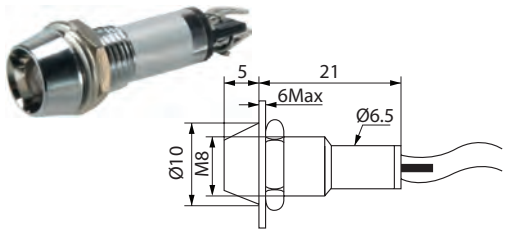
Terminals: 2.8 mm
Mount. hole size:
10 mm

Type/terminal: Flat
Colour: Green
Material: Shockproof plastic
Terminals: 2
Bulb incl.: Yes

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
180345 Indicator Light — Std pkg 5			
	Voltage: 12	**Terminals:** 2.8 mm **Mount. hole size:** 10 mm	**Type/terminal:** Flat **Colour:** Red **Material:** Shockproof plastic **Terminals:** 2 **Bulb incl.:** Yes
180346 Indicator Light — Std pkg 5			
	Voltage: 24	**Terminals:** 2.8 mm **Mount. hole size:** 10 mm	**Type/terminal:** Flat **Colour:** Orange **Material:** Shockproof plastic **Terminals:** 2 **Bulb incl.:** Yes
180347 Indicator Light — Std pkg 5			
	Voltage: 24	**Terminals:** 2.8 mm **Mount. hole size:** 10 mm	**Type/terminal:** Flat **Colour:** Green **Material:** Shockproof plastic **Terminals:** 2 **Bulb incl.:** Yes
180348 Indicator Light — Std pkg 5			
	Voltage: 24	**Terminals:** 2.8 mm **Mount. hole size:** 10 mm	**Type/terminal:** Flat **Colour:** Red **Material:** Shockproof plastic **Terminals:** 2 **Bulb incl.:** Yes

LED

181570 Indicator Light, Red LED — Std pkg 5			
EN60947-5-1, IEC947-5-1.			
	**Voltage:** 24	**Mount. hole size:** 8 mm	**Type/terminal:** Solder **Bulb type:** LED **Colour:** Red **Material:** Nickel plated brass
181571 Indicator Light — Std pkg 5			
	**Voltage:** 24	**Mount. hole size:** 8 mm	**Type/terminal:** Solder **Bulb type:** LED **Colour:** Green **Material:** Nickel plated brass
181572 Indicator Light — Std pkg 5			
	**Voltage:** 24	**Mount. hole size:** 8 mm	**Type/terminal:** Solder **Bulb type:** LED **Colour:** Yellow **Material:** Nickel plated brass

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
181573 Indicator Light — Std pkg 5			
	**Voltage:** 24	**Mount. hole size:** 8 mm	**Type/terminal:** Solder **Bulb type:** LED **Colour:** Blue **Material:** Nickel plated brass **Alternativ no.:** 181636
181574 Indicator Light — Std pkg 5			
	**Voltage:** 24	**Mount. hole size:** 8 mm	**Type/terminal:** Solder **Bulb type:** LED **Colour:** White **Material:** Nickel plated brass
181633 Indicator Light — Std pkg 5			
	**Voltage:** 12	**Mount. hole size:** 8 mm	**Type/terminal:** Solder **Bulb type:** LED **Colour:** Red **Material:** Nickel plated brass
181634 Indicator Light — Std pkg 5			
	**Voltage:** 12	**Mount. hole size:** 8 mm	**Type/terminal:** Solder **Bulb type:** LED **Colour:** Green **Material:** Nickel plated brass
181635 Indicator Light — Std pkg 5			
	**Voltage:** 12	**Mount. hole size:** 8 mm	**Type/terminal:** Solder **Bulb type:** LED **Colour:** Yellow **Material:** Nickel plated brass
181636 Indicator Light — Std pkg 5			
	**Voltage:** 12	**Mount. hole size:** 8 mm	**Type/terminal:** Solder **Bulb type:** LED **Colour:** Blue **Material:** Nickel plated brass **Alternativ no.:** 181573
181637 Indicator Light — Std pkg 5			
	**Voltage:** 12	**Mount. hole size:** 8 mm	**Type/terminal:** Solder **Bulb type:** LED **Colour:** White **Material:** Nickel plated brass

CIRCUIT BREAKERS

ATO BLADE FUSE TYPE

Littelfuse

HC-CARGO	Std pkg	Ampere	Voltage	Type	
192936	Pkg. 1	5	0-28	ATO	*Manual reset.*
192937	Pkg. 1	7.5	0-28	ATO	*Manual reset.*
192938	Pkg. 1	10	0-28	ATO	*Manual reset.*
192939	Pkg. 1	15	0-28	ATO	*Manual reset.*
192940	Pkg. 1	20	0-28	ATO	*Manual reset.*
192941	Pkg. 1	25	0-28	ATO	*Manual reset.*

PANEL MOUNT TYPE

192959 Circuit Breaker — Std pkg 1

Servicing: Motors, transformers, battery chargers, machinery, extra low voltage systems - Visit our web catalogue for further information

Circuit breaker w/ thread neck for panel mounting. Mounting hole 9.6 mm. Splash Proof Cover: HC-CARGO 192965.

Voltage: Multi
Amp: 5

Length: 79.4 mm

Type: Thermo contact
Plug type: Flat

192960 Circuit Breaker — Std pkg 1

Servicing: Motors, transformers, battery chargers, machinery, extra low voltage systems - Visit our web catalogue for further information

Circuit breaker w/ thread neck for panel mounting. Mounting hole 9.6 mm. Splash Proof Cover: HC-CARGO 192965.

Voltage: Multi
Amp: 7

Length: 79.4 mm

Type: Thermo contact
Plug type: Flat

192961 Circuit Breaker — Std pkg 1

Servicing: Motors, transformers, battery chargers, machinery, extra low voltage systems - Visit our web catalogue for further information

Circuit breaker w/ thread neck for panel mounting. Mounting hole 9.6 mm. Splash Proof Cover: HC-CARGO 192965.

Voltage: Multi
Amp: 10

Length: 79.4 mm

Type: Thermo contact
Plug type: Flat

192962 Circuit Breaker — Std pkg 1

Servicing: Motors, transformers, battery chargers, machinery, extra low voltage systems - Visit our web catalogue for further information

Circuit breaker w/ thread neck for panel mounting. Mounting hole 9.6 mm. Splash Proof Cover: HC-CARGO 192965.

Voltage: Multi
Amp: 15

Length: 79.4 mm

Type: Thermo contact
Plug type: Flat

192963 Circuit Breaker — Std pkg 1

Servicing: Motors, transformers, battery chargers, machinery, extra low voltage systems - Visit our web catalogue for further information

Circuit breaker w/ thread neck for panel mounting. Mounting hole 9.6 mm. Splash Proof Cover: HC-CARGO 192965.

Voltage: Multi
Amp: 20

Length: 79.4 mm

Type: Thermo contact
Plug type: Flat

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

192964 Circuit Breaker — Std pkg 1 — **Servicing:** Motors, transformers, battery chargers, machinery, extra low voltage systems - Visit our web catalogue for further information

Circuit breaker w/ thread neck for panel mounting. Mounting hole 9.6 mm. Splash Proof Cover: HC-CARGO 192965.

Voltage: Multi
Amp: 25

Length: 79.4 mm

Type: Thermo contact
Plug type: Flat

ACCESSORIES

192965 Splash Proof Cover — Std pkg 1 — **Servicing:** HC-CARGO 192959..192964

RELAYS

DAYTIME RUNNING LIGHTS

160904 Relay — Std pkg 1 — **Servicing:** Opel, Vauxhall - Visit our web catalogue for further information

For day time running light.

Voltage: 12

Terminals: 8

ACOUSTIC WARNING

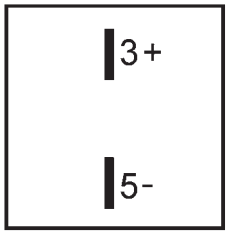
160276 Warning Relay — Std pkg 1 — **Servicing:** Nissan - Visit our web catalogue for further information

Light's on warning.

Voltage: 12
Decibel: 85

Terminals: 2

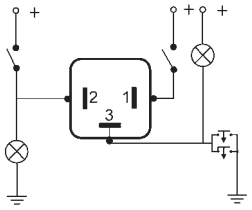
160347 Warning Relay — Std pkg 1



Voltage: 12
Decibel: 72

Type: Electronic
Terminals: 2

160509 Warning Relay — Std pkg 1



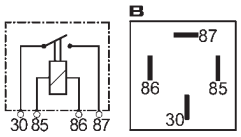
Voltage: 12
Decibel: Min 65

Type: Electronic
Terminals: 3

WORK RELAYS

MINI - 6 V

160652 Mini Relay — Std pkg 1

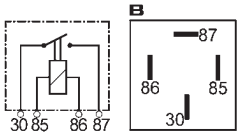


Voltage: 6
Amp: 20

Terminals: 4
Bracket: w/

MINI - 12 V

160080 Mini Relay — Std pkg 1

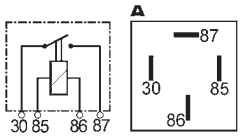


Voltage: 12
Amp: 30

Terminals: 4
Bracket: w/
Alternativ no.: 160803

160083 Mini Relay — Std pkg 1

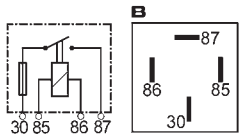
Servicing: BMW - Visit our web catalogue for further information



Voltage: 12
Amp: 30

Terminals: 4
Bracket: w/
Alternativ no.: 160806

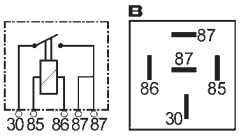
160155 Mini Relay — Std pkg 1



Voltage: 12
Amp: 30

Type/fuse: ATO
Terminals: 4
Bracket: w/
Fuse incl.: Yes

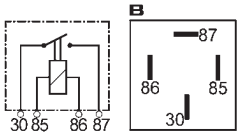
160265 Mini Relay — Std pkg 1



Voltage: 12
Amp: 30

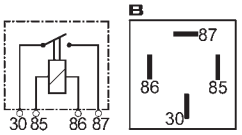
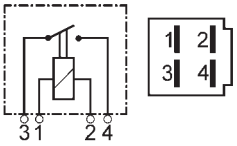
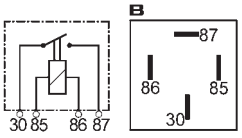
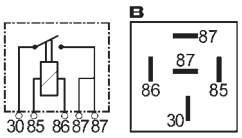
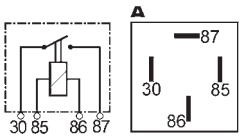
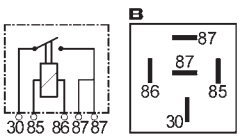
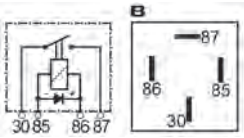
Terminals: 5
Bracket: w/
Alternativ no.: 160805

160282 Mini Relay — Std pkg 1



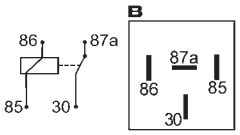
Voltage: 12
Amp: 40

Terminals: 4

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
160311 Mini Relay Std pkg 1			
	**Voltage:** 12 **Amp:** 40		**Terminals:** 4 **Bracket:** w/
160480 Mini Relay Std pkg 1			
Relay Multiplug: HC-CARGO 193373.			
	**Voltage:** 12 **Amp:** 30		**Terminals:** 4 **Bracket:** w/
160803 Mini Relay Std pkg 1			
WEHRLE 	**Voltage:** 12 **Amp:** 30		**Terminals:** 4 **Bracket:** w/ **Alternativ no.:** 160080
160805 Mini Relay Std pkg 1			
WEHRLE 	**Voltage:** 12 **Amp:** 30		**Terminals:** 5 **Bracket:** w/ **Alternativ no.:** 160265
160806 Mini Relay Std pkg 1			
WEHRLE 	**Voltage:** 12 **Amp:** 30		**Terminals:** 4 **Bracket:** w/ **Alternativ no.:** 160083
160903 Mini Relay Std pkg 1			
	**Voltage:** 12 **Amp:** 40		**Terminals:** 5 **Bracket:** w/
160929 Mini Relay Std pkg 1			
	**Voltage:** 12 **Amp:** 40		**Terminals:** 4 **Bracket:** w/ **Diode:** w/

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

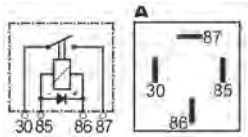
160945 Mini Relay — Std pkg 1



Voltage: 12
Amp: 20

Terminals: 4
Bracket: w/

160982 Mini Relay — Std pkg 1

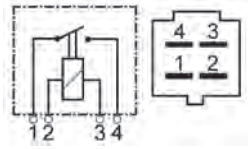


Voltage: 12
Amp: 40

Terminals: 4
Bracket: w/
Diode: w/

160983 Mini Relay — Std pkg 1

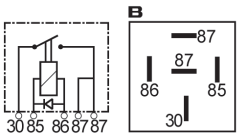
Relay Multiplug: HC-CARGO 193373.



Voltage: 12
Amp: 30

Type: Japanese
Terminals: 4
Bracket: w/

161009 Mini Relay — Std pkg 1



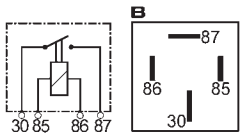
Voltage: 12
Amp: 40

Terminals: 5
Bracket: w/
Diode: w/

MINI - 12 V HIGH PERFORMANCE

160239 Mini Relay — Std pkg 1

w/ two 6.3 mm and two 9.5 mm terminals. (terminals 30 and 87).

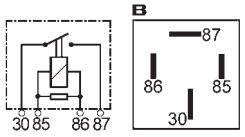


Voltage: 12
Amp: 70

Type: High performance
Terminals: 4
Bracket: w/
Alternativ no.: 160809

160468 Mini Relay — Std pkg 1

w/ two 6.3 mm and two 9.5 mm terminals. (terminals 30 and 87).

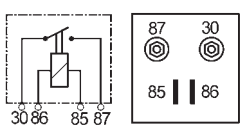


Voltage: 12
Amp: 70

Type: High performance
Terminals: 4
Resistor: w/

160477 High performance relay — Std pkg 1

w/ 2x6.3 mm screws and 2xM6 flat plugs.



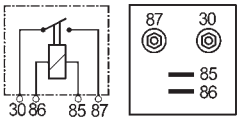
Voltage: 12
Amp: 100

Type: High performance
Terminals: 4
Bracket: w/
Alternativ no.: 160477z

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

160720 Mini Relay — Std pkg 1

180 A for 15 sec. w/ 2x6.3 mm screws and 2xM6 flat plugs.



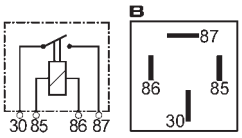
Voltage: 12
Amp: 120

Type: High performance
Terminals: 4
Bracket: w/

160809 Mini Relay — Std pkg 1

w/ two 6.3 mm and two 9.5 mm terminals. (terminals 30 and 87).

WEHRLE

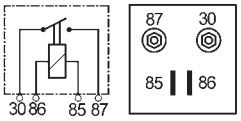


Voltage: 12
Amp: 70

Type: High performance
Terminals: 4
Bracket: w/
Alternativ no.: 160239

160922 High performance relay — Std pkg 1

w/ 2x6.3 mm screws and 2xM6 flat plugs.

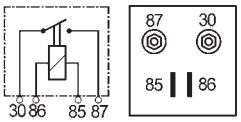


Voltage: 12
Amp: 140

Type: High performance
Terminals: 4
Bracket: w/

160923 High performance relay — Std pkg 1

w/ 2x6.3 mm screws and 2xM6 flat plugs.

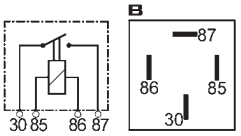


Voltage: 12
Amp: 200

Type: High performance
Terminals: 4
Bracket: w/

160931 Mini Relay — Std pkg 1

Terminal 85+86=6.3 mm. Terminal 87+30=8 mm.

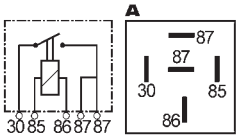


Voltage: 12
Amp: 50

Type: High performance
Terminals: 4
Bracket: w/

160940 Mini Relay — Std pkg 1

w/ double output.



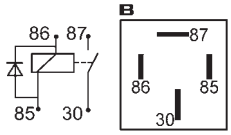
Voltage: 12
Amp: 40

Type: High performance
Terminals: 5
Bracket: w/

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

160941 Mini Relay — Std pkg 1

w/ two 6.3 mm and two 9.5 mm terminals. (Terminals 30 and 87).

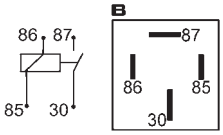


Voltage: 12
Amp: 70

Type: High performance
Terminals: 4
Bracket: w/
Diode: w/

160946 Mini Relay — Std pkg 1

w/ two 6.3 mm and two 9.5 mm terminals. (Terminals 30 and 87).

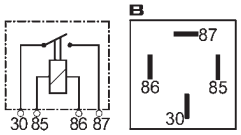


Voltage: 12
Amp: 100

Type: High performance
Terminals: 4

MINI - 24 V

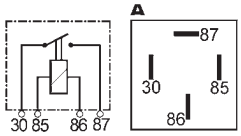
160082 Mini Relay — Std pkg 1



Voltage: 24
Amp: 20

Terminals: 4
Bracket: w/
Alternativ no.: 160307, 160807

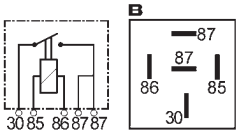
160215 Mini Relay — Std pkg 1



Voltage: 24
Amp: 20

Terminals: 4

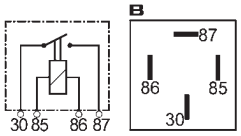
160266 Mini Relay — Std pkg 1



Voltage: 24
Amp: 20

Terminals: 5
Bracket: w/

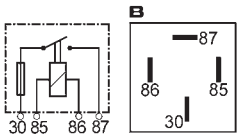
160307 Mini Relay — Std pkg 1



Voltage: 24
Amp: 20

Terminals: 4

160473 Mini Relay — Std pkg 1

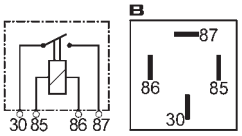


Voltage: 24
Amp: 30

Type/fuse: ATO
Terminals: 4
Bracket: w/
Fuse incl.: Yes

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

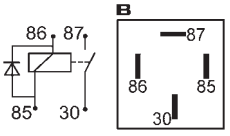
160807 Mini Relay — Std pkg 1



Voltage: 24
Amp: 20

Terminals: 4
Bracket: w/
Alternativ no.: 160082

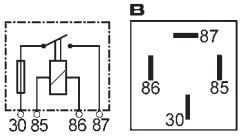
160890 Mini Relay — Std pkg 1



Voltage: 24
Amp: 20

Terminals: 4
Bracket: w/
Diode: w/

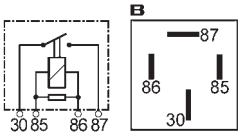
160926 Mini Relay — Std pkg 1



Voltage: 24
Amp: 15

Type/fuse: ATO
Terminals: 4
Bracket: w/
Fuse incl.: Yes

160935 Mini Relay — Std pkg 1

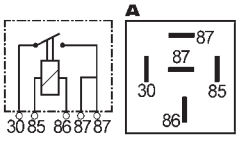


Voltage: 24
Amp: 22

Terminals: 4
Bracket: w/
Resistor: w/

160936 Mini Relay — Std pkg 1

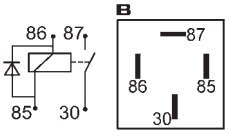
w/ double output.



Voltage: 24
Amp: 22

Terminals: 5
Bracket: w/

160947 Mini Relay 24v 30A — Std pkg 1



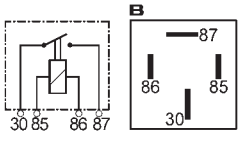
Voltage: 24
Amp: 30

Terminals: 4
Bracket: w/
Diode: w/

MINI - 24 V HIGH PERFORMANCE

160240 Mini Relay — Std pkg 1

w/ two 6.3 mm and two 9.5 mm terminals. (terminals 30 and 87).



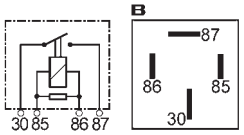
Voltage: 24
Amp: 40

Type: High performance
Terminals: 4

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

160272 Mini Relay — Std pkg 1

w/ two 6.3 mm and two 9.5 mm terminals. (terminals 30 and 87).

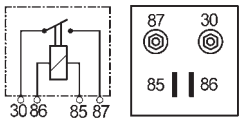


Voltage: 24
Amp: 70

Type: High performance
Terminals: 4
Resistor: w/

160478 High performance relay — Std pkg 1

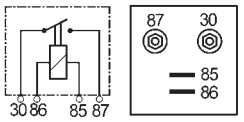
180 A for 15 sec. w/ 2x6.3 mm screws and 2xM6 flat plugs.



Voltage: 24
Amp: 60

Type: High performance
Terminals: 4
Bracket: w/

160721 Mini Relay — Std pkg 1

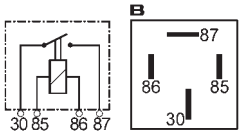


Voltage: 24
Amp: 100

Type: High performance
Terminals: 4
Bracket: w/

160769 Mini Relay — Std pkg 1

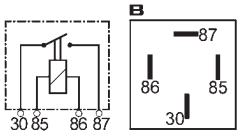
w/ two 6.3 mm and two 9.5 mm terminals. (terminals 30 and 87).



Voltage: 24
Amp: 70

Type: High performance
Terminals: 4

160937 Mini Relay — Std pkg 1

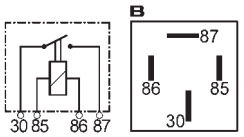


Voltage: 24
Amp: 40

Type: High performance
Terminals: 4
Bracket: w/

160975 Mini Relay — Std pkg 1

w/ two 6.3 mm and two 9.5 mm terminals. (terminals 30 and 87).

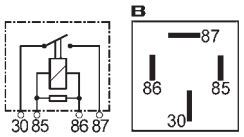


Voltage: 24
Amp: 70

Type: High performance
Terminals: 4
Bracket: w/

160977 Mini Relay — Std pkg 1

w/ two 6.3 mm and two 9.5 mm terminals. (terminals 30 and 87).



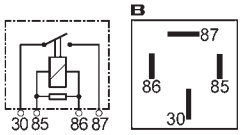
Voltage: 24
Amp: 50

Type: High performance
Terminals: 4
Bracket: w/
Resistor: w/

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

160978 Mini Relay — Std pkg 1

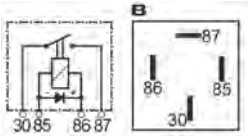
w/ two 6.3 mm and two 9.5 mm terminals. (terminals 30 and 87).



Voltage: 24
Amp: 40

Type: High performance
Terminals: 4
Resistor: w/

160979 Mini Relay — Std pkg 1

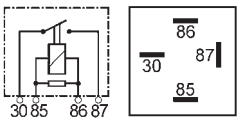


Voltage: 24
Amp: 30

Type: High performance
Terminals: 4
Bracket: w/
Diode: w/

161035 Mini Relay — Std pkg 1

Servicing: Scania - Visit our web catalogue for further information

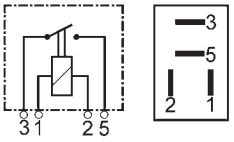


Voltage: 24
Amp: 70

Type: High performance
Terminals: 4
Bracket: w/
Resistor: w/

MICRO

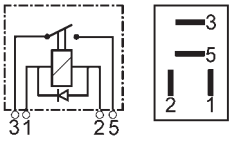
160363 Micro Relay — Std pkg 1



Voltage: 12
Amp: 25

Terminals: 4
Alternativ no.: 160812

160364 Micro Relay — Std pkg 1

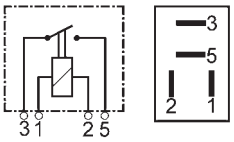


Voltage: 12
Amp: 25

Terminals: 4
Diode: w/

160812 Micro Relay — Std pkg 1

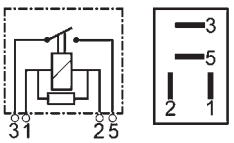
WEHRLE



Voltage: 12
Amp: 25

Terminals: 4
Alternativ no.: 160363

160918 Micro Relay — Std pkg 1



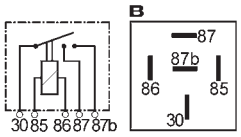
Voltage: 12
Amp: 25

Terminals: 4
Resistor: w/

DOUBLE CONTACT

160168 Relay — Std pkg 1

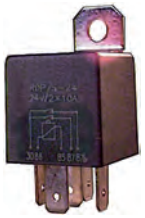
Servicing: Mercedes-Benz - Visit our web catalogue for further information

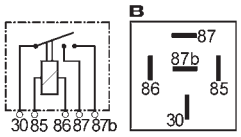


Voltage: 12
Amp: 2x20

Terminals: 5
Bracket: w/

160169 Relay — Std pkg 1

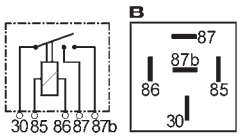




Voltage: 24
Amp: 2x10

Terminals: 5
Bracket: w/

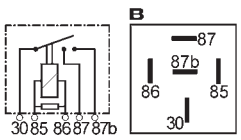
160902 Relay — Std pkg 1



Voltage: 12
Amp: 2x15

Terminals: 5
Bracket: w/

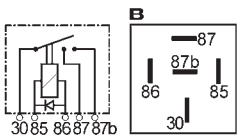
160933 Mini Relay — Std pkg 1



Voltage: 12
Amp: 2x20

Terminals: 5
Bracket: w/
Resistor: w/

160934 Mini Relay — Std pkg 1

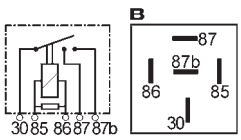


Voltage: 12
Amp: 2x20

Terminals: 5
Bracket: w/
Diode: w/

160938 Relay — Std pkg 1

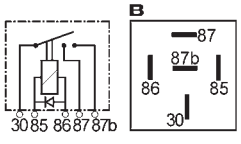
w/ double contact.



Voltage: 24
Amp: 2x10

Terminals: 5
Bracket: w/
Resistor: w/

160939 Relay — Std pkg 1



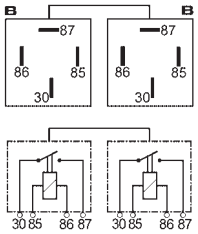
Voltage: 24
Amp: 2x10

Terminals: 5
Bracket: w/
Diode: w/

TWIN

160267 Twin Relay — Std pkg 1

Servicing: VW - Visit our web catalogue for further information



Voltage: 12
Amp: 2x40

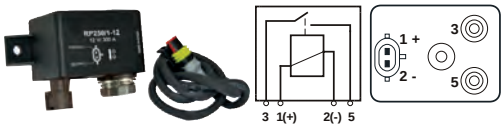
Terminals: 2x4
Bracket: w/

HIGH PERFORMANCE 12 V

160984 Relay — Std pkg 1

ADR-approved.

MAHLE



Voltage: 12
Amp: 300

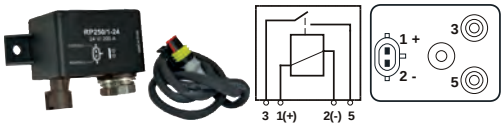
Type: High performance
Bracket: w/

HIGH PERFORMANCE 24 V

160985 Relay — Std pkg 1

ADR-approved.

MAHLE

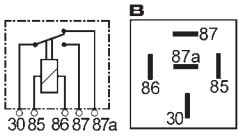


Voltage: 24
Amp: 200

Type: High performance
Bracket: w/

CHANGE OVER - 12 V

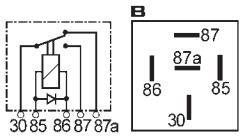
160081 Relay — Std pkg 1



Voltage: 12
Amp: 20/30

Type: Change Over
Terminals: 5
Bracket: w/
Alternativ no.: 160804

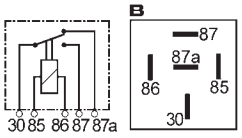
160270 Relay — Std pkg 1



Voltage: 12
Amp: 20/30

Type: Change Over
Terminals: 5
Bracket: w/
Diode: w/
Alternativ no.: 160823

160308 Relay — Std pkg 1

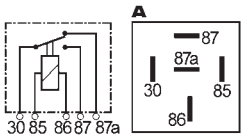


Voltage: 12
Amp: 40/15

Type: Change Over
Terminals: 5

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

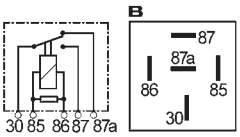
160316 Relay — Std pkg 1



Voltage: 12
Amp: 15/40

Type: Change Over
Terminals: 5
Bracket: w/

160403 Relay — Std pkg 1



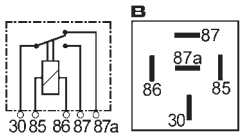
Voltage: 12
Amp: 20/30

Type: Change Over
Terminals: 5
Bracket: w/
Resistor: w/
Alternativ no.: 160932

160801* Relay — Std pkg 1

NEW PRODUCT
www.hc-cargo.com

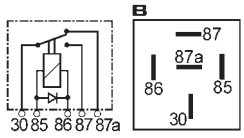
160804 Relay — Std pkg 1



Voltage: 12
Amp: 20/30

Type: Change Over
Terminals: 5
Bracket: w/
Alternativ no.: 160081

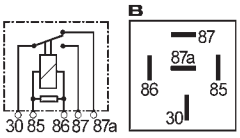
160823 Relay — Std pkg 1



Voltage: 12
Amp: 20/30

Type: Change Over
Terminals: 5
Bracket: w/
Diode: w/
Alternativ no.: 160270

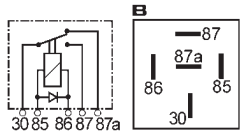
160932 Relay — Std pkg 1



Voltage: 12
Amp: 40/15

Type: Change Over
Terminals: 5
Bracket: w/
Resistor: w/
Alternativ no.: 160403

160942 Relay — Std pkg 1

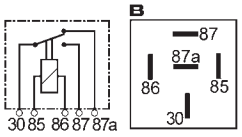


Voltage: 12
Amp: 40/15

Type: Change Over
Terminals: 5
Bracket: w/
Diode: w/

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

160974 Relay — Std pkg 1



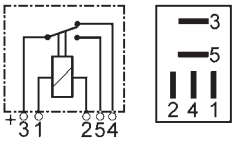
Voltage: 12
Amp: 40/70

Type: Change Over
Terminals: 2x6.3 mm, 3x9.5 mm
Bracket: w/

MICRO

160365 Micro Relay — Std pkg 1

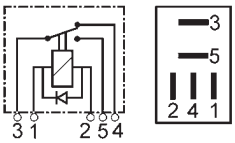
Servicing: Mercedes-Benz - Visit our web catalogue for further information



Voltage: 12
Amp: 10/20

Type: Change Over
Terminals: 5

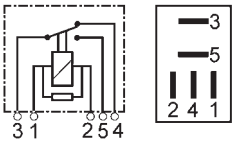
160366 Micro Relay — Std pkg 1



Voltage: 12
Amp: 15/25

Type: Change Over
Terminals: 5
Diode: w/
Alternativ no.: 160802

160367 Micro Relay — Std pkg 1

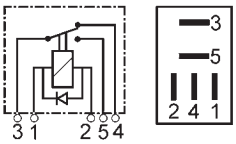


Voltage: 12
Amp: 15/25

Type: Change Over
Terminals: 5
Resistor: w/

160802 Micro Relay — Std pkg 1

WEHRLE

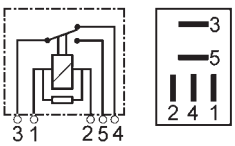


Voltage: 12
Amp: 15/25

Type: Change Over
Terminals: 5
Diode: w/
Alternativ no.: 160366

160919 Micro Relay — Std pkg 1

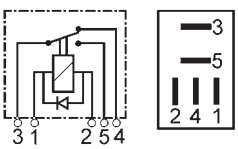
Servicing: Opel - Visit our web catalogue for further information



Voltage: 12
Amp: 20/10

Terminals: 5
Resistor: w/

160920 Micro Relay — Std pkg 1



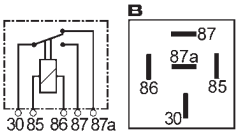
Voltage: 12
Amp: 20/10

Terminals: 5
Diode: w/

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

CHANGE OVER - 24 V

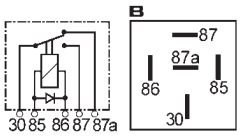
160216 Relay — Std pkg 1



Voltage: 24
Amp: 10/20

Type: Change Over
Terminals: 5
Bracket: w/
Alternativ no.: 160808

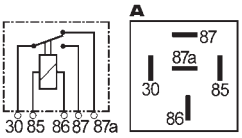
160271 Relay — Std pkg 1



Voltage: 24
Amp: 10/20

Type: Change Over
Terminals: 5
Bracket: w/
Diode: w/

160317 Relay — Std pkg 1

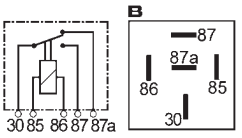


Voltage: 24
Amp: 10/22

Type: Change Over
Terminals: 5
Bracket: w/

160337 Relay — Std pkg 1

Servicing: Ford, Ford USA, Honda, Jaguar, Nissan, Opel, Renault, Rover, Skoda, Volvo - Visit our web catalogue for further information

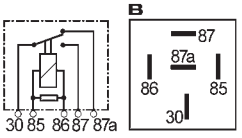


Voltage: 24
Amp: 10/20

Type: Change Over
Terminals: 5

160394 Relay — Std pkg 1

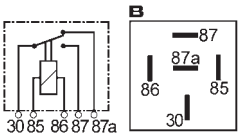
Servicing: Mercedes, Iveco, Audi - Visit our web catalogue for further information



Voltage: 24
Amp: 40/60

Type: Change Over
Terminals: 5
Resistor: w/

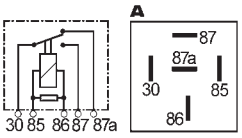
160808 Relay — Std pkg 1



Voltage: 24
Amp: 10/20

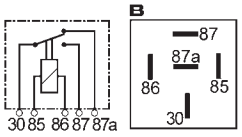
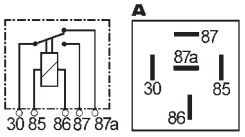
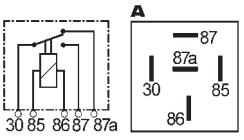
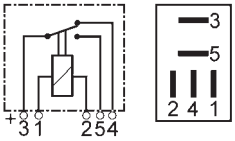
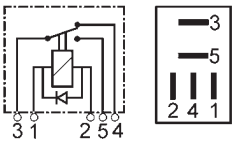
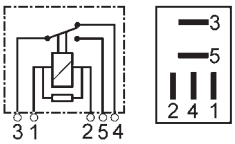
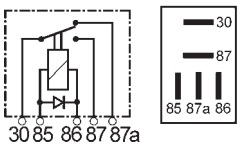
Type: Change Over
Terminals: 5
Bracket: w/
Alternativ no.: 160216

160944 Relay — Std pkg 1



Voltage: 24
Amp: 10/20

Type: Change Over
Terminals: 5
Resistor: w/

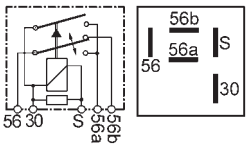
	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
160976 Relay — Std pkg 1			
	**Voltage:** 24 **Amp:** 30/50		**Type:** Change Over **Terminals:** 2x6.3 mm, 3x9.5 mm **Resistor:** w/
160980 Relay — Std pkg 1			
	**Voltage:** 24 **Amp:** 30/40		**Type:** Change Over **Terminals:** 2x6.3 mm, 3x9.5 mm **Bracket:** w/
160981 Relay — Std pkg 1			
	**Voltage:** 24 **Amp:** 10/20		**Type:** Change Over **Terminals:** 5 **Bracket:** w/
MICRO			
160368 Micro Relay — Std pkg 1			
	**Voltage:** 24 **Amp:** 4/10		**Type:** Change Over **Terminals:** 5
160521 Micro Relay — Std pkg 1			
	**Voltage:** 24 **Amp:** 5/10		**Type:** Change Over **Terminals:** 5 **Diode:** w/
161010 Micro Relay — Std pkg 1			
	**Voltage:** 24 **Amp:** 20/10		**Type:** Change Over **Terminals:** 5 **Resistor:** w/
161020 Micro Relay — Std pkg 1			
	**Voltage:** 24 **Amp:** 10/15		**Type:** Change Over **Terminals:** 5 **Diode:** w/

FLIP FLOP

160654 Flip Flop Relay — Std pkg 1 — **Servicing:** Audi, VW - Visit our web catalogue for further information

2 sec. on/off.

BOSCH



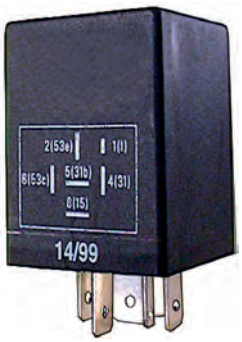
Voltage: 12

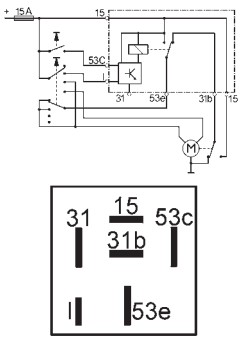
Type: Flip Flop
Terminals: 6
Bracket: w/
Diode: w/

TIME DELAY - 12 V

160297 Time Delay Relay — Std pkg 1 — **Servicing:** Alfa Romeo, Opel, Audi, VW, Renault, Citroen, Peugeot, Volvo, Seat, Saab, Porsche, Skoda, Ford, Vauxhall, Alfa Romeo - Visit our web catalogue for further information

For windshield wiper and washer. Also for universal use.



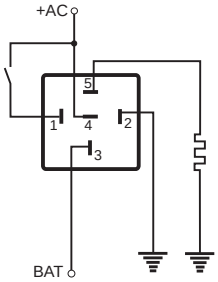


Voltage: 12
Amp: 15

Delay time: 3.5 sec.

Terminals: 6

160570 Time Delay Relay — Std pkg 1 — **Servicing:** Universal - Visit our web catalogue for further information



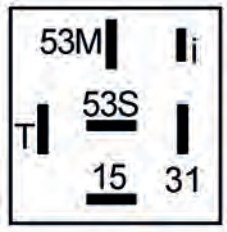
Voltage: 12
Amp: 20

Delay time: 12 min.

Terminals: 5

160749 Relay — Std pkg 1 — **Servicing:** Audi, VW - Visit our web catalogue for further information

Washing/wiper unit w/ changeable intervals.

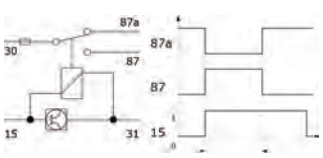


Voltage: 12
Amp: 30

Delay time: 0.5 sec

Terminals: 6

160992 Time Delay Relay — Std pkg 1



Voltage: 12
Amp: 20

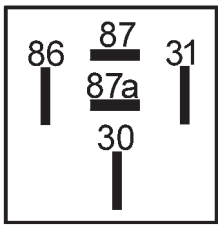
Delay time: 3.5 sec

Type: Delay off
Terminals: 5
Bracket: w/

TIME DELAY - 24 V

160466 Time Delay Relay — Std pkg 1

For A/C compressor, bus doors and time delayed motors.



Voltage: 24
Amp: 5

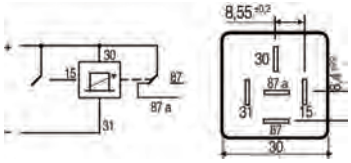
Delay time: 4 sec

Terminals: 5

MULTITIMER

160927 Multitimer Relay — Std pkg 1

0.5 sec.-6 hours.

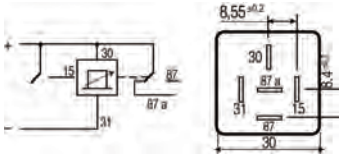


Voltage: 12
Amp: 10

Terminals: 5

160928 Multitimer Relay — Std pkg 1

0.5 sec.-6 hours.

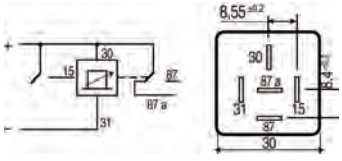


Voltage: 24
Amp: 10

Terminals: 5

161008 Multitimer Relay — Std pkg 1

0.5 sec.-10 hours.

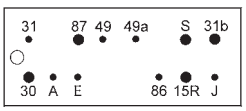


Voltage: 12
Amp: 10

Terminals: 5

TIMING DEVICES

160287 Timing Device — Std pkg 1



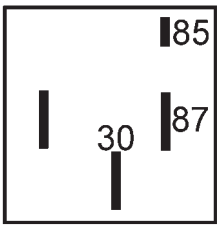
Voltage: 12

Terminals: 12

RADIATOR FANS

160637 Relay — Std pkg 1

Servicing: Audi, Seat, Skoda, VW - Visit our web catalogue for further information



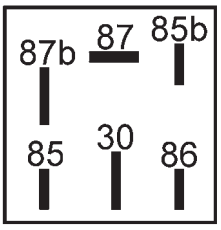
Voltage: 12
Amp: 30

Terminals: 4

FUEL PUMPS

160295 Fuel Pump Relay — Std pkg 1

Servicing: Opel, Vauxhall - Visit our web catalogue for further information

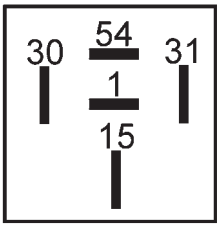


Voltage: 12

Terminals: 6

160350 Fuel Pump Relay — Std pkg 1

Servicing: Ford - Visit our web catalogue for further information

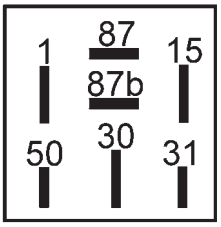


Voltage: 12
Amp: 16

Terminals: 5
Bracket: w/

160352 Fuel Pump Relay — Std pkg 1

Servicing: BMW, Opel, Vauxhall, VW - Visit our web catalogue for further information

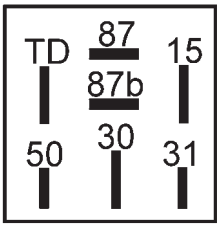


Voltage: 12

Terminals: 7
Bracket: w/

160353 Fuel Pump Relay — Std pkg 1

Servicing: Alfa Romeo, Citroen, Ferrari, Fiat, Ford, Lancia, Peugeot, Seat - Visit our web catalogue for further information

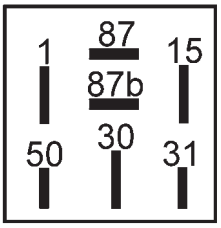


Voltage: 12
Amp: 16

Terminals: 7
Bracket: w/

160354 Fuel Pump Relay — Std pkg 1

Servicing: Alfa Romeo, Citroen, Fiat, Lancia, Opel, Peugeot, Renault, Vauxhall - Visit our web catalogue for further information

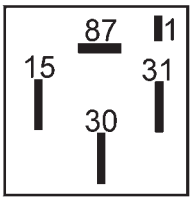


Voltage: 12
Amp: 16

Terminals: 7
Bracket: w/

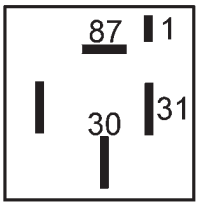
	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

160372 Fuel Pump Relay — Std pkg 1 — **Servicing:** Audi - Visit our web catalogue for further information



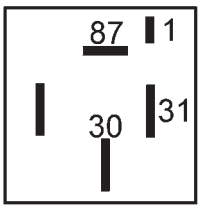
Voltage: 12 — **Terminals:** 5

160374 Fuel Pump Relay — Std pkg 1 — **Servicing:** Audi, VW - Visit our web catalogue for further information



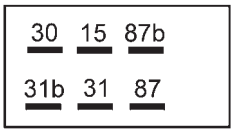
Voltage: 12 — **RPM limited:** 6600 — **Terminals:** 5

160375 Fuel Pump Relay — Std pkg 1 — **Servicing:** Audi, VW - Visit our web catalogue for further information



Voltage: 12 — **RPM limited:** 6600 — **Terminals:** 5

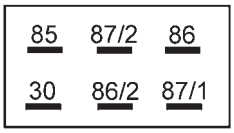
160400 Fuel Pump Relay — Std pkg 1 — **Servicing:** Volvo - Visit our web catalogue for further information



Voltage: 12
Amp: 30

Terminals: 6

160401 Fuel Pump Relay — Std pkg 1 — **Servicing:** Volvo - Visit our web catalogue for further information

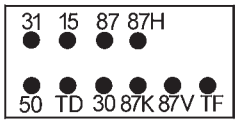


Voltage: 12
Amp: 15

Terminals: 6

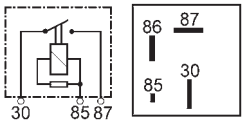
160470 Fuel Pump Relay — Std pkg 1 — **Servicing:** Mercedes-Benz - Visit our web catalogue for further information

Cold start valve.



Voltage: 12 — **RPM limited:** 6200 — **Terminals:** 10

160751 Fuel Pump Relay — Std pkg 1 — **Servicing:** Audi, Seat, Skoda, VW - Visit our web catalogue for further information



Voltage: 12
Amp: 30

Terminals: 4
Resistor: w/

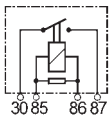
	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

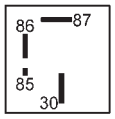
160792 Fuel Pump Relay — Std pkg 1 — **Servicing:** Volvo - Visit our web catalogue for further information

Voltage: 12 — **Terminals:** 4

161121 Fuel Pump Relay — Std pkg 1 — **Servicing:** Audi - Visit our web catalogue for further information

w/ two 6.3 mm and two 2.8 mm terminals. (terminals 86 and 85).





Voltage: 12
Amp: 40

Terminals: 4
Bracket: w/o

HAZARD WARNING LIGHT SYSTEM

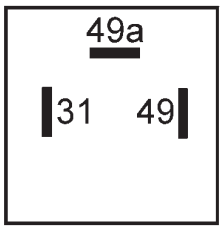
160578 Hazard Warning Light — Std pkg 1

Complete set containing switch, relay and mounting bracket.

Voltage: 12

FLASHER UNITS - 6 V

160651 Flasher Unit — Std pkg 1

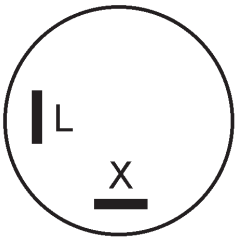


Voltage: 6

Terminals: 3
Bracket: w/

FLASHER UNITS - 12 V

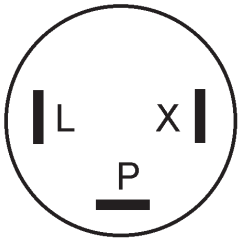
160115 Flasher Unit — Std pkg 1



Voltage: 12

Terminals: 2

160116 Flasher Unit — Std pkg 1



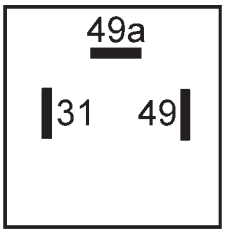
Voltage: 12

Terminals: 3

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

160242 Flasher Unit — Std pkg 1

Servicing: Alfa Romeo, Audi, Bedford, Ford, Nissan, Opel, Toyota - Visit our web catalogue for further information

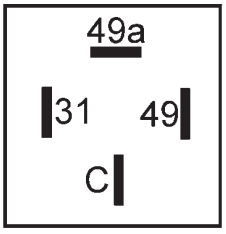


Voltage: 12

Terminals: 3
Bracket: w/

160243 Flasher Unit — Std pkg 1

Servicing: Abarth, Alfa Romeo, Audi, Austin, BMW, Citroen, Fiat, Ford, Honda, Iveco, Lada, Lancia, Mercedes-Benz, Opel, Peugeot - Visit our web catalogue for further information



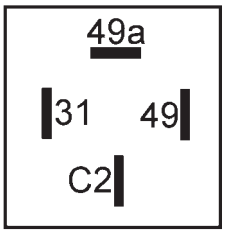
Voltage: 12

Terminals: 4
Bracket: w/

160244 Flasher Unit — Std pkg 1

Servicing: Audi, Austin, BMW, Chevrolet, Citroen, Daihatsu, Fiat, Ford, Ford Australia, Honda, Lada, Lancia, Land Rover, Lexus - Visit our web catalogue for further information

For vehicles w/ towbars.

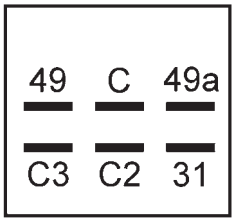


Voltage: 12

Terminals: 4
Bracket: w/

160263 Flasher Unit — Std pkg 1

Servicing: Steyr - Visit our web catalogue for further information

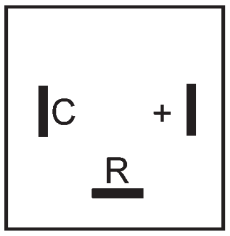


Voltage: 12

Terminals: 6
Bracket: w/

160312 Flasher Unit — Std pkg 1

Interchangeable w/ all 4 terminal device (+, - ,C, R). for SAE standard vehicles (France, Italy, USA, Spain).



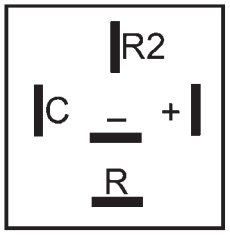
Voltage: 12

Terminals: 3
Bracket: w/

160314 Flasher Unit — Std pkg 1

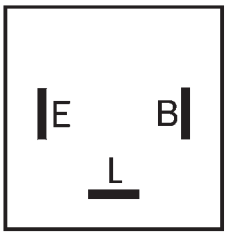
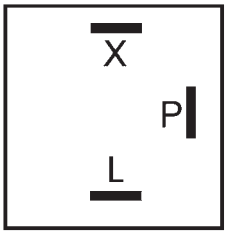
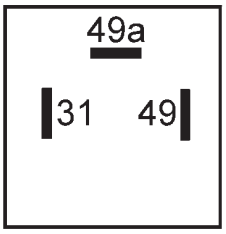
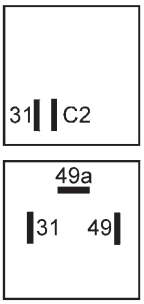
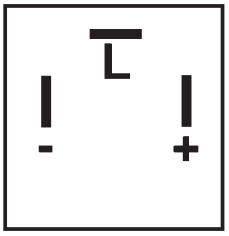
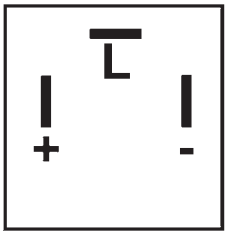
Servicing: Alfa Romero, Renault, Fiat, Lancia, Lada, Alfa Romeo, BMW, Fiat, Lada, Lancia, Renault - Visit our web catalogue for further information

For vehicles w/ towbars. For SAE standard vehicles (France, Italy, USA, Spain).



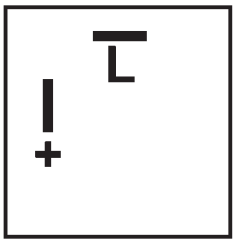
Voltage: 12

Terminals: 5
Bracket: w/

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
160315 Flasher Unit — Std pkg 1	**Servicing:** Japanese vehicles - Visit our web catalogue for further information		
	**Voltage:** 12		**Terminals:** 3
160341 Flasher Unit — Std pkg 1	**Servicing:** Abarth, Alfa Romeo, Audi, Austin, BMW, Citroen, Fiat, Ford, Honda, Lada, Mercedes-Benz, Opel, Peugeot, Porsche - Visit our web catalogue for further information		
	**Voltage:** 12 **Amp:** 16		**Terminals:** 3 **Bracket:** w/
160474 Flasher Unit — Std pkg 1			
	**Voltage:** 12		**Terminals:** 3
160475 Flasher Unit — Std pkg 1			
For vehicles w/ towbars.			
	**Voltage:** 12		**Terminals:** 3+2/top
W/ LED			
160948 Flasher Unit — Std pkg 1			
	**Voltage:** 12	**Height:** 30 mm	**Terminals:** 3
160949 Flasher Unit — Std pkg 1			
	**Voltage:** 12	**Height:** 30 mm	**Terminals:** 3

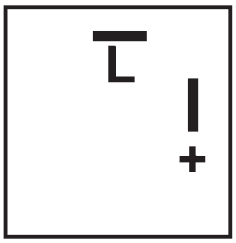
	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

160950 Flasher Unit — Std pkg 1



Voltage: 12 | **Height:** 30 mm | **Terminals:** 2

160951 Flasher Unit — Std pkg 1



Voltage: 12 | **Height:** 30 mm | **Terminals:** 2

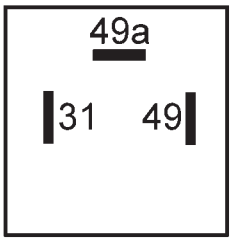
160954 i-LS sensor — Std pkg 1

In combination w/ an I-LS flasher unit, the I-LS sensor secures the legal requirements of "lamp failure warning".

Voltage: 12 | **Height:** 26 mm | **Terminals:** 3

160956 Flasher Unit i-LS — Std pkg 1 — **Servicing:** Vehicles w/ 2 LED lamps on front or rear - Visit our web catalogue for further information

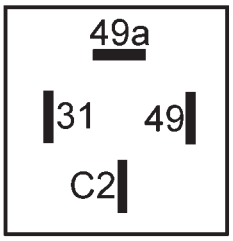
In combination w/ an I-LS sensor, the I-LS flasher relay secures the legal requirements of "lamp failure warning" by installed LED lamps.



Voltage: 12 | **Terminals:** 3 | **Bracket:** w/

160957 Flasher Unit i-LS — Std pkg 1 — **Servicing:** Vehicles w/ trailer, w/ 2 LED lamps - Visit our web catalogue for further information

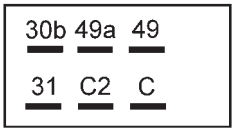
In combination w/ an I-LS sensor, the I-LS flasher relay secures the legal requirements of "lamp failure warning" by installed LED lamps.



Voltage: 12 | **Terminals:** 4 | **Bracket:** w/

FLASHER UNITS - 24 V

160199 Flasher Unit — Std pkg 1 — **Servicing:** Mazda, Setra, Volvo - Visit our web catalogue for further information

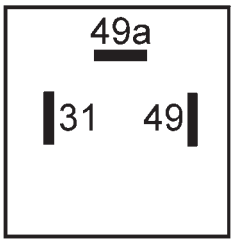


Voltage: 24 | **Terminals:** 6 | **Bracket:** w/

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

160261 Flasher Unit — Std pkg 1

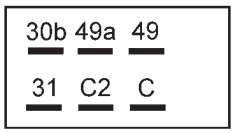
Servicing: Mercedes-Benz - Visit our web catalogue for further information



Voltage: 24

Terminals: 3
Bracket: w/

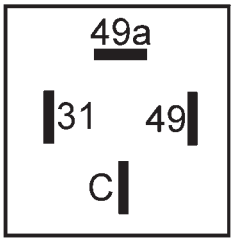
160262 Flasher Unit — Std pkg 1



Voltage: 24

Terminals: 6
Bracket: w/

160296 Flasher Unit — Std pkg 1

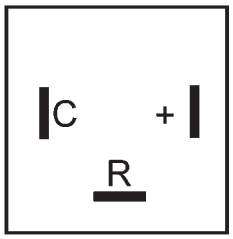


Voltage: 24

Terminals: 4
Bracket: w/

160313 Flasher Unit — Std pkg 1

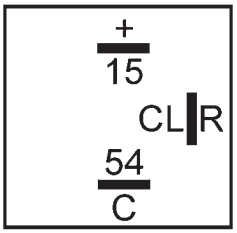
Interchangeable w/ all 4 terminal device (+, - ,C, R). for SAE standard vehicles (France, Italy, USA, Spain).



Voltage: 24

Terminals: 3
Bracket: w/

160716 Flasher Unit — Std pkg 1

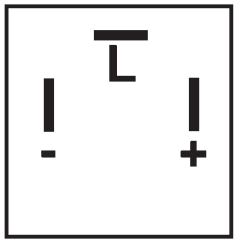


Voltage: 24

Terminals: 3
Bracket: w/

W/ LED

160952 Flasher Unit — Std pkg 1



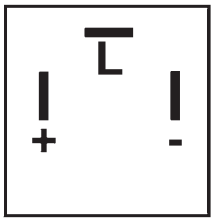
Voltage: 24

Height: 30 mm

Terminals: 3

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

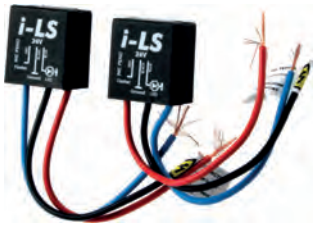
160953 Flasher Unit — Std pkg 1



Voltage: 24 | **Height:** 30 mm | **Terminals:** 3

160955 i-LS Sensor — Std pkg 1

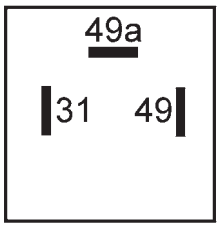
In combination w/ an I-LS flasher unit, the I-LS sensor secures the legal requirements of "lamp failure warning".



Voltage: 24 | **Terminals:** 3

160958 Flasher Unit i-LS — Std pkg 1 — **Servicing:** Vehicles w/ 2 LED lamps on front or rear - Visit our web catalogue for further information

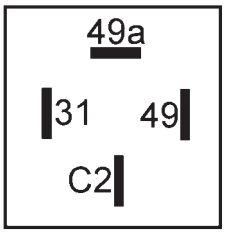
In combination w/ an I-LS sensor, the I-LS flasher relay secures the legal requirements of "lamp failure warning" by installed LED lamps.



Voltage: 24 | **Terminals:** 3 | **Bracket:** w/

160959 Flasher Unit i-LS — Std pkg 1 — **Servicing:** Vehicles w/ trailer, w/ 2 LED lamps - Visit our web catalogue for further information

In combination w/ an I-LS sensor, the I-LS flasher relay secures the legal requirements of "lamp failure warning" by installed LED lamps.

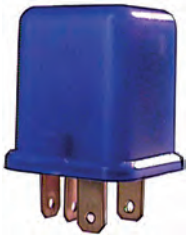


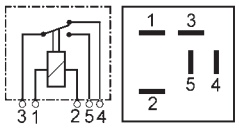
Voltage: 24 | **Terminals:** 4 | **Bracket:** w/

CHARGE RELAYS

160407 Charge Relay — Std pkg 1 — **Servicing:** Isuzu - Visit our web catalogue for further information

5 terminals.

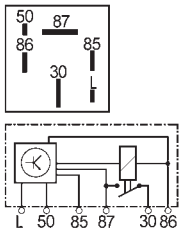




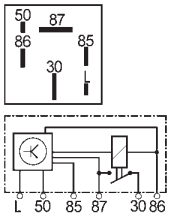
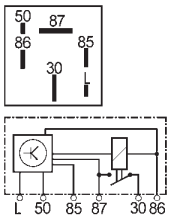
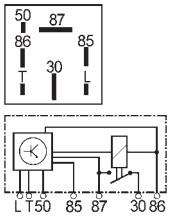
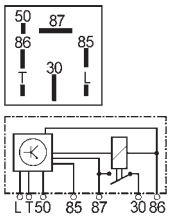
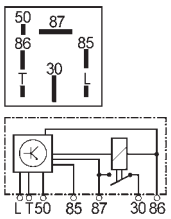
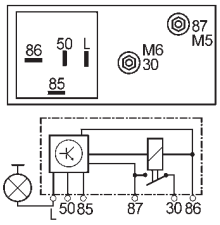
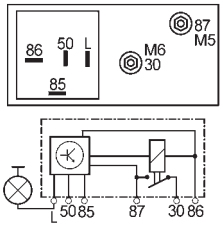
Voltage: 14 | **Amp:** 20

GLOW PLUG RELAYS

160416 Glow Plug Relay — Std pkg 1 — **Servicing:** Ford, Opel, Vauxhall - Visit our web catalogue for further information



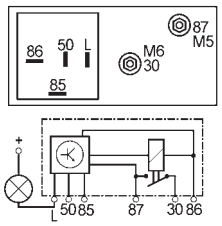
Voltage: 12 | **Amp:** 70 | **Temp. measurement:** Internal | **Pre-heating time:** < 8 | **Terminals:** 6 | **Post heating:** No | **Bracket:** w/

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
160418 Glow Plug Relay — Std pkg 1	**Servicing:** Ford, Opel, Vauxhall - Visit our web catalogue for further information		
	**Voltage:** 12 **Amp:** 70	**Temp. measurement:** Internal **Pre-heating time:** < 8	**Terminals:** 6 **Post heating:** Yes **Bracket:** w/
160419 Glow Plug Relay — Std pkg 1	**Servicing:** Ford, Opel, Vauxhall - Visit our web catalogue for further information		
	**Voltage:** 12 **Amp:** 70	**Temp. measurement:** Internal **Pre-heating time:** < 6	**Terminals:** 6 **Post heating:** Yes **Bracket:** w/
160420 Glow Plug Relay — Std pkg 1	**Servicing:** Audi, VW - Visit our web catalogue for further information		
	**Voltage:** 12	**Temp. measurement:** External **Pre-heating time:** < 8	**Terminals:** 7 **Post heating:** Yes
160421 Glow Plug Relay — Std pkg 1	**Servicing:** Audi, Seat, VW - Visit our web catalogue for further information		
	**Voltage:** 12	**Temp. measurement:** External **Pre-heating time:** < 4	**Terminals:** 7 **Post heating:** Yes
160422 Glow Plug Relay — Std pkg 1	**Servicing:** Fiat, Seat, VW - Visit our web catalogue for further information		
	**Voltage:** 12	**Temp. measurement:** External **Pre-heating time:** < 18	**Terminals:** 7 **Post heating:** No
160423 Glow Plug Relay — Std pkg 1	**Servicing:** Citroen, Peugeot, Renault - Visit our web catalogue for further information		
	**Voltage:** 12 **Amp:** 70	**Temp. measurement:** Internal **Pre-heating time:** < 14	**Terminals:** 6 **Post heating:** No
160424 Glow Plug Relay — Std pkg 1	**Servicing:** Alfa Romeo, Citroen, Fiat, Iveco, Peugeot, Renault, Rover, Seat, Talbot - Visit our web catalogue for further information		
	**Voltage:** 12 **Amp:** 70	**Temp. measurement:** Internal **Pre-heating time:** < 8	**Terminals:** 6 **Post heating:** No

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

160425 Glow Plug Relay — Std pkg 1

Servicing: Renault - Visit our web catalogue for further information



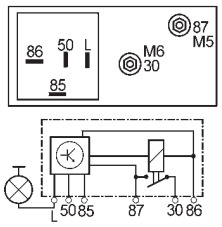
Voltage: 12
Amp: 70

Temp. measurement: Internal
Pre-heating time: < 9

Terminals: 6
Post heating: No

160426 Glow Plug Relay — Std pkg 1

Servicing: Fiat - Visit our web catalogue for further information



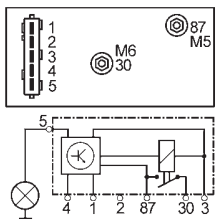
Voltage: 12
Amp: 70

Temp. measurement: Internal
Pre-heating time: < 7

Terminals: 6
Post heating: Yes

160431 Glow Plug Relay — Std pkg 1

Servicing: Peugeot - Visit our web catalogue for further information



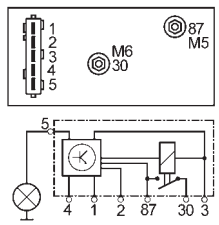
Voltage: 12
Amp: 70

Temp. measurement: Internal
Pre-heating time: < 10

Terminals: 7
Post heating: No

160432 Glow Plug Relay — Std pkg 1

Servicing: Citroen, Fiat, Peugeot, Renault, Rover - Visit our web catalogue for further information



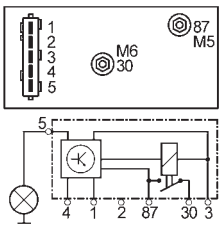
Voltage: 12
Amp: 70

Temp. measurement: Internal
Pre-heating time: < 7

Terminals: 7
Post heating: Yes

160434 Glow Plug Relay — Std pkg 1

Servicing: Citroen, Fiat, Peugeot - Visit our web catalogue for further information



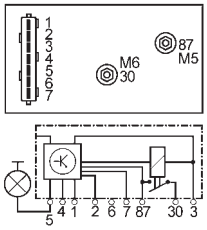
Voltage: 12
Amp: 70

Temp. measurement: External
Pre-heating time: < 8

Terminals: 7
Post heating: Yes

160436 Glow Plug Relay — Std pkg 1

Servicing: Citroen, Peugeot - Visit our web catalogue for further information



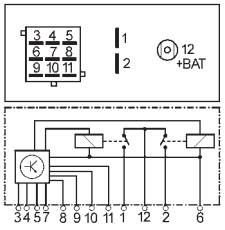
Voltage: 12
Amp: 70

Temp. measurement: External
Pre-heating time: < 8

Terminals: 9
Post heating: Yes

160438 Glow Plug Relay — Std pkg 1

Servicing: Renault - Visit our web catalogue for further information



Voltage: 12

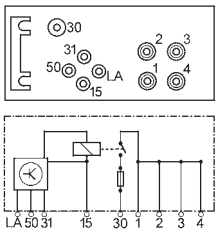
Temp. measurement: Internal
Pre-heating time: < 10

Terminals: 12
Post heating: Yes

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

160441 Glow Plug Relay — Std pkg 1 — **Servicing:** Mercedes-Benz - Visit our web catalogue for further information

w/ "defect" warning.



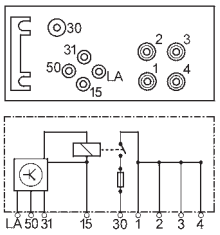
Voltage: 12
Amp: 70

Temp. measurement: Internal
Pre-heating time: < 9

Terminals: 9
Post heating: No

160442 Glow Plug Relay — Std pkg 1 — **Servicing:** Mercedes-Benz - Visit our web catalogue for further information

w/ "defect" warning.



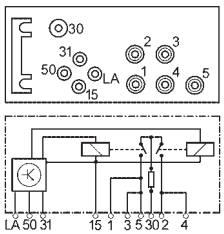
Voltage: 12
Amp: 70

Temp. measurement: Internal
Pre-heating time: < 9

Terminals: 9
Post heating: No

160443 Glow Plug Relay — Std pkg 1 — **Servicing:** Mercedes-Benz - Visit our web catalogue for further information

w/ "defect" warning.



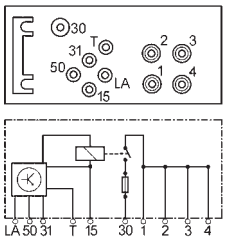
Voltage: 12
Amp: 140

Temp. measurement: Internal
Pre-heating time: < 9

Terminals: 10
Post heating: No

160445 Glow Plug Relay — Std pkg 1 — **Servicing:** Mercedes-Benz - Visit our web catalogue for further information

w/ "defect" warning.



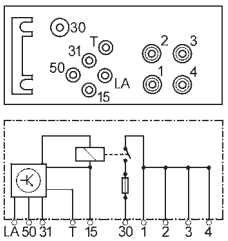
Voltage: 12
Amp: 70

Temp. measurement: External
Pre-heating time: < 9

Terminals: 10
Post heating: Yes

160446 Glow Plug Relay — Std pkg 1 — **Servicing:** Mercedes-Benz - Visit our web catalogue for further information

w/ "defect" warning.



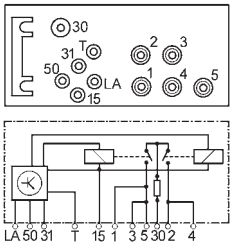
Voltage: 12
Amp: 70

Temp. measurement: External
Pre-heating time: < 9

Terminals: 10
Post heating: Yes

160447 Glow Plug Relay — Std pkg 1 — **Servicing:** Audi, Mercedes-Benz - Visit our web catalogue for further information

w/ "defect" warning.



Voltage: 12
Amp: 140

Temp. measurement: External
Pre-heating time: < 9

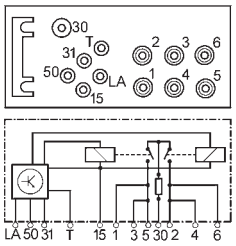
Terminals: 11
Post heating: Yes

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

160448 Glow Plug Relay — Std pkg 1

Servicing: Mercedes-Benz, Puch (Steyr-Daimler) - Visit our web catalogue for further information

w/ "defect" warning.



Voltage: 12
Amp: 140

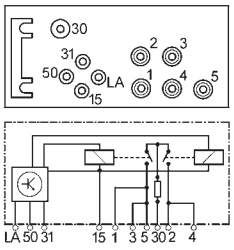
Temp. measurement: External
Pre-heating time: < 9

Terminals: 12
Post heating: Yes

160449 Glow Plug Relay — Std pkg 1

Servicing: Mercedes-Benz, Ssangyong - Visit our web catalogue for further information

Can replace HC-CARGO 160441 and 160443 in connection w/ change to post heating glow plug.



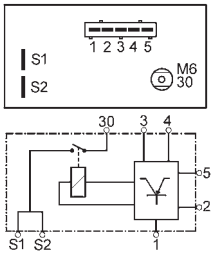
Voltage: 12
Amp: 140

Temp. measurement: Internal
Pre-heating time: < 7

Terminals: 10
Post heating: Yes

160451 Glow Plug Relay — Std pkg 1

Servicing: Renault - Visit our web catalogue for further information



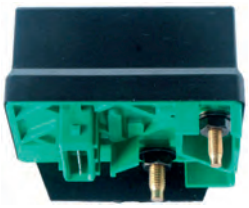
Voltage: 12

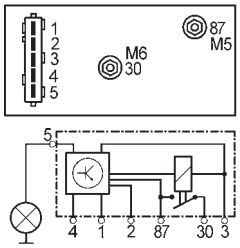
Temp. measurement: External
Pre-heating time: < 7

Terminals: 8
Post heating: Yes

160453 Glow Plug Relay — Std pkg 1

Servicing: Audi, Citroen, Fiat, Lancia, Peugeot - Visit our web catalogue for further information



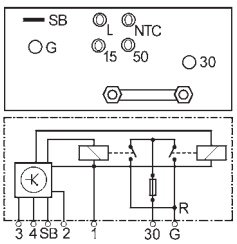


Voltage: 12

Terminals: 7
Post heating: No

160458 Glow Plug Relay — Std pkg 1

Servicing: Volvo - Visit our web catalogue for further information



Voltage: 12
Amp: 140

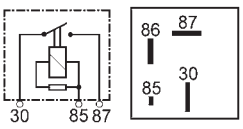
Temp. measurement: External
Pre-heating time: < 12

Terminals: 7
Post heating: Yes

160459 Glow Plug Relay — Std pkg 1

Servicing: Seat, VW - Visit our web catalogue for further information

Model UWD.



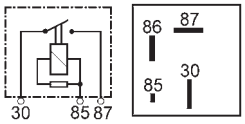
Voltage: 12

Terminals: 4
Post heating: No

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

160460 Glow Plug Relay — Std pkg 1 — **Servicing:** Audi, Seat, Skoda, VW - Visit our web catalogue for further information

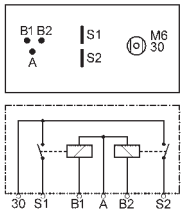
For engines w/ electronic diesel control.



Voltage: 12

Terminals: 4
Post heating: No

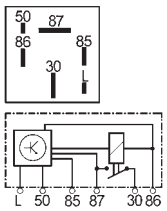
160461 Glow Plug Relay — Std pkg 1 — **Servicing:** Volvo - Visit our web catalogue for further information



Voltage: 12

Terminals: 6
Post heating: No

160469 Glow Plug Relay — Std pkg 1 — **Servicing:** Ford - Visit our web catalogue for further information

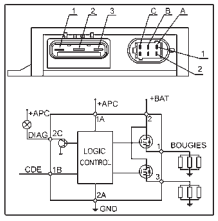


Voltage: 12

Temp. measurement: Internal
Pre-heating time: < 5

Terminals: 6
Post heating: Yes
Bracket: w/

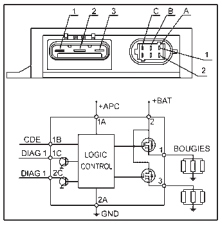
160718 Glow Plug Relay — Std pkg 1



Voltage: 12

Terminals: 9
Post heating: No
Bracket: w/

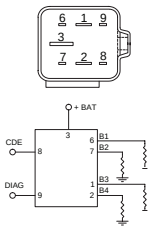
160719 Glow Plug Relay — Std pkg 1



Voltage: 12

Terminals: 9
Post heating: No
Bracket: w/

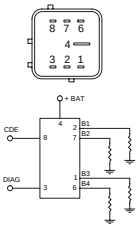
160795 Glow Plug Relay — Std pkg 1 — **Servicing:** Renault - Visit our web catalogue for further information



Voltage: 12

Terminals: 7
Post heating: No
Bracket: w/

161120 Glow Plug Relay — Std pkg 1 — **Servicing:** Citroen, Dacia, Fiat, Lancia, Nissan, Opel, Peugeot, Renault, Vauxhall - Visit our web catalogue for further information



Voltage: 12

Terminals: 7
Bracket: w/

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
161736 Glow Plug Relay Std pkg 1	**Servicing:** Opel, Saab, Vauxhall - Visit our web catalogue for further information		
	Voltage: 12		**Terminals:** 7
161737 Glow Plug Relay Std pkg 1	**Servicing:** Alfa Romeo, Citroen, Fiat, Great Wall, Jaguar, Lancia, Peugeot - Visit our web catalogue for further information		
	Voltage: 12		**Terminals:** 11
161738 Glow Plug Relay Std pkg 1	**Servicing:** Audi, Chevrolet, Chrysler, Dodge, Jeep, Opel, Seat, Skoda, Vauxhall, VW - Visit our web catalogue for further information		
	Voltage: 12		**Terminals:** 8
161739 Glow Plug Relay Std pkg 1	**Servicing:** Audi, Porsche, VW - Visit our web catalogue for further information		
	Voltage: 12		**Terminals:** 11
161740 Glow Plug Relay Std pkg 1	**Servicing:** Nissan - Visit our web catalogue for further information		
	Voltage: 12		**Terminals:** 8

MULTI PLUGS

190766 Relay Multiplug Std pkg 10	**Servicing:** HC-CARGO 192158		
Sockets can be built together. 5x6.3 mm flat plug terminals. 4x2.8 mm flat plug terminals.			
			Type: Socket **No./poles:** 9
190767 Relay Multiplug Std pkg 10	**Servicing:** HC-CARGO 192159		
6.3 mm.			
			Type: Socket **No./poles:** 5

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

191026 Relay Multiplug Std pkg 10 **Servicing:** HC-CARGO 192160

Sockets can be built together. 2x9.5 mm flat plug terminals. 3x6.3 mm flat plug terminals. 4x2.8 mm flat plug terminals.

Type: Socket
No./poles: 9

191752 Relay Multiplug Std pkg 10 **Servicing:** HC-CARGO 192161

Sockets can be built together. 2x6.3 mm flat plug terminals. 3x4.7 mm flat plug terminals.

Type: Socket
No./poles: 5

193373 Relay Multiplug Std pkg 10 **Servicing:** HC-CARGO 160480, 160983

Terminal: HC-CARGO 192377, 190868, 193238, 192574.

Type: Socket
Colour: White
No./poles: 4
Plug: Female

193600 Relay Multiplug Std pkg 5

Sockets can be built together. 6.3 mm flat plug terminals. 2.8 mm flat plug terminals.

BOSCH

Type: Socket
No./poles: 5

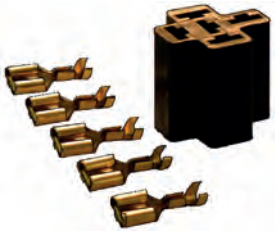
KITS

192158 Relay Multiplug Kit Std pkg 1

Contains: 1x HC-CARGO 190766. 5x HC-CARGO 190252. 4x HC-CARGO 191083.

192159 Relay Multiplug Kit Std pkg 1

Contains: 1x HC-CARGO 190767. 5x HC-CARGO 190252.



	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

192160 Relay Multiplug Kit Std pkg 1

Contains: 1x HC-CARGO 191026. 2x HC-CARGO 191025. 3x HC-CARGO 190252. 1x HC-CARGO 191083.

192161 Relay Multiplug Kit Std pkg 1

Contains: 1x HC-CARGO 191752. 2x HC-CARGO 190252. 3x HC-CARGO 191089.

TRAILER SWITCH BOXES

160167 Relay Box Std pkg 1 **Servicing:** For 12 V trailer pulled by a 24 V vehicle - Visit our web catalogue for further information

Switches the voltage from 24 V to 12 V by 5 relays. Run at 24 V and leading 12 V from one of the batteries or converter to the lamps of the trailer. For continous use it has to be connected via a converter. For internal mounting.

Voltage: 12/24
Amp: 10

Dim.: 100x100x58 mm

No./poles: 7
Relay switch: Yes

160502 Trailer Connecting Unit Std pkg 1 **Servicing:** For 12 V trailer pulled by a 24 V vehicle - Visit our web catalogue for further information

Mounted w/o use of converter.

Voltage: 24/12

Dim.: 110x103x43 mm

No./poles: 7
Transistor switch: Yes
Waterproof: Yes
C2 control lamp: Yes
Relay switch: No
Protection degree: IP 65

160797 Relay Box Std pkg 1

To reduce voltage drop, if you use vehicles w/ trailer. Fitted w/ 5x12 V relays the 12 V function will not be affected.

Voltage: 12-12
Amp: 5x8

Dim.: 100x100x58 mm

BOXES

191410 Relay Box Std pkg 1

Can be assambled in rows (terminals: HC-CARGO 190252 or 191029).

Capacity: 4

Regulator type: Standard
Colour: Transparent
Assembling: Yes
Cable lugs: w/
Lock: w/

191818 Relay Box Std pkg 1

Can be assambled in rows (terminals: HC-CARGO 190252 or 191029).

Capacity: 7

Regulator type: Micro
Colour: Transparent
Assembling: Yes
Cable lugs: w/
Lock: w/

Relay Terminal Designations according to DIN 72552

Terminal	Designation
15	Switch-controlled plus downstream from battery (from ignition switch)
15a	In-line resistor terminal leading to coil and starter
30	Line from battery positive terminal (direct)
	Series/parallel battery switch 12/24V
30a	Line from battery positive terminal II
31	Return line from battery negative terminal or ground (direct)
31b	Return line to battery negative terminal or ground via switch or relay (switch-controlled ground)
31a	**Battery changeover relay 12/24 V** Return line to Battery II negative pole
48	Terminal on starter and start-repeating relay for monitoring starting process
	Flasher relay (pulse generator)
49	Input
49a 49b	Output Output to second flasher relay
	Starter
50	Starter control (direct)
	Battery switching relay
50a	Output for starter control
	Starter control
50b	Dual starters in parallel operation with sequential control
50c	**Starting relay for sequential control of engagement current for dual starters in parallel operation**
50d	Starter I input at starter relay Starter II input at starter relay
	Start-locking relay
50e	Input
50f	Output
	Start repeating relay
50g	Input
50h	Output
	Trailer signalling devices
52	Supplementary signal transmission from trailer to towing vehicle
	Trailer signalling equipment
54	Trailer gladhand assembly and light combinations Stop lamps
	Switches, NC contacts and changeover contacts
81	Input
81a	First output on NC-contact side
81b	Second output on NC-contact side NO contacts
82	Input
82a	First output
82b	Second output
82z	First input
82y	Second input Multiple position swich
83	Input
83a	Output (Pos.1)
83b	Output (Pos. 2)
83L	Output (Pos. left)

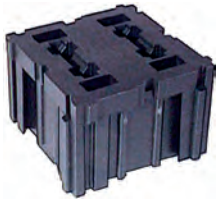
Terminal	Designation
	Current relay
84	Input: Actuator and relay contacts
84a	Output: Actuators
	Switching relay
85	Output: Actuator (negative winding end or ground)
86	Input: Actuator
86a	Start of winding Start of winding or first winding coil
	Relay contact for NC and changeovers contacts
87	Input
87a	First output (NC-contact side)
87b	Second output
87c	Third output
87z	First input
87y	Second input
	Relay contact for NO contact
88	Input
	Relay contact for NO contact and changeover contacts (NO side)
88a	First output
88b	Second output
	Relay contact for NO contact
88z	First input
88y	Second input
	Generator/alternator and voltage regulator
B+	Battery positive terminal
B-	Battery negative terminal
D+	Generator positive terminal
D-	Generator negative terminal
DF	Generator field winding
DF1	Generator field winding 1
	Alternator
U, V, W	Three-phase terminals
	Turn signals (turn signal flasher)
C	Indicator lamp 1
C0	Main terminal connection for indicator lamp not connected to turn-signal flasher
C2	Indicator lamp 2
C3	Indicator lamp 3 (eg for dual trailer operations)
L	Left-side turn signals

POWR-BLOKS

191717 Powr-Blok Std pkg 10

The POWR-BLOKSTM system gives you unlimited flexibility to design electrical distribution systems that range from simple to complex. Choose from a variety of POWR-BLOKSTM modules that accommodate everything you need in power distribution or circuit protection blocks, including fuses, circuit breakers, relays, flashers and specialty devices. It is the totally modular way to build your oen junction block. Typical Applications: Buses, Conversion Vans, Off Road and Recreational Vehicles, Construction Equipment, Emergency Vehicles, Farm Equipment, Heavy Duty Trucks, Industrial Vehicles, Marine, High Performance and Racing Vehicles. Terminals: HC-CARGO 191733, 191734, 192758.

Littelfuse



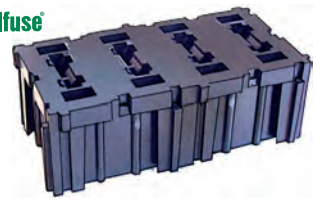
Height: 30.48 mm
Module: Fuse holder

Type/fuse: ATO
Outlets: 2 way

191718 Powr-Blok Std pkg 5

The POWR-BLOKSTM system gives you unlimited flexibility to design electrical distribution systems that range from simple to complex. Choose from a variety of POWR-BLOKSTM modules that accommodate everything you need in power distribution or circuit protection blocks, including fuses, circuit breakers, relays, flashers and specialty devices. It is the totally modular way to build your oen junction block. Typical Applications: Buses, Conversion Vans, Off Road and Recreational Vehicles, Construction Equipment, Emergency Vehicles, Farm Equipment, Heavy Duty Trucks, Industrial Vehicles, Marine, High Performance and Racing Vehicles. Terminals: HC-CARGO 191733, 191734, 192758.

Littelfuse



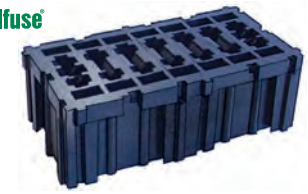
Height: 30.48 mm
Module: Fuse holder

Type/fuse: ATO
Outlets: 4 way

191719 Powr-Blok Std pkg 5 **Servicing:** HC-CARGO 191743

The POWR-BLOKSTM system gives you unlimited flexibility to design electrical distribution systems that range from simple to complex. Choose from a variety of POWR-BLOKSTM modules that accommodate everything you need in power distribution or circuit protection blocks, including fuses, circuit breakers, relays, flashers and specialty devices. It is the totally modular way to build your oen junction block. Typical Applications: Buses, Conversion Vans, Off Road and Recreational Vehicles, Construction Equipment, Emergency Vehicles, Farm Equipment, Heavy Duty Trucks, Industrial Vehicles, Marine, High Performance and Racing Vehicles.Terminals: HC-CARGO 191733, 191734, 192758.

Littelfuse



Height: 30.48 mm
Module: Fuse holder

Type/fuse: ATO
Outlets: 7 way

191721 Powr-Blok Std pkg 5

The POWR-BLOKSTM system gives you unlimited flexibility to design electrical distribution systems that range from simple to complex. Choose from a variety of POWR-BLOKSTM modules that accommodate everything you need in power distribution or circuit protection blocks, including fuses, circuit breakers, relays, flashers and specialty devices. It is the totally modular way to build your oen junction block. Typical Applications: Buses, Conversion Vans, Off Road and Recreational Vehicles, Construction Equipment, Emergency Vehicles, Farm Equipment, Heavy Duty Trucks, Industrial Vehicles, Marine, High Performance and Racing Vehicles. Terminal: HC-CARGO 191735, 191736

Littelfuse

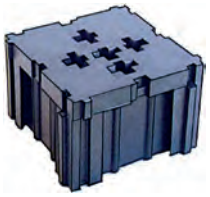
Height: 33.02 mm
Module: Fuse holder

Type/fuse: Maxi
Outlets: 4 way

191722 Powr-Blok Relay Multi Plug Std pkg 10

The POWR-BLOKSTM system gives you unlimited flexibility to design electrical distribution systems that range from simple to complex. Choose from a variety of POWR-BLOKSTM modules that accommodate everything you need in power distribution or circuit protection blocks, including fuses, circuit breakers, relays, flashers and specialty devices. It is the totally modular way to build your oen junction block. Typical Applications: Buses, Conversion Vans, Off Road and Recreational Vehicles, Construction Equipment, Emergency Vehicles, Farm Equipment, Heavy Duty Trucks, Industrial Vehicles, Marine, High Performance and Racing Vehicles. Terminals: HC-CARGO 191764, 191765, 191766.

Littelfuse



Height: 25.4 mm
Module: Relay holder

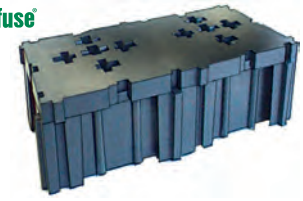
Type/fuse: ISO
No./relays: 1

EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

191723 Powr-Blok Relay Multi Plug Std pkg 10

The POWR-BLOKSTM system gives you unlimited flexibility to design electrical distribution systems that range from simple to complex. Choose from a variety of POWR-BLOKSTM modules that accommodate everything you need in power distribution or circuit protection blocks, including fuses, circuit breakers, relays, flashers and specialty devices. It is the totally modular way to build your oen junction block. Typical Applications: Buses, Conversion Vans, Off Road and Recreational Vehicles, Construction Equipment, Emergency Vehicles, Farm Equipment, Heavy Duty Trucks, Industrial Vehicles, Marine, High Performance and Racing Vehicles. Terminals: HC-CARGO 191764, 191765, 191766

Littelfuse



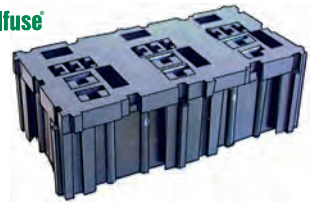
Height: 25.4 mm
Module: Relay holder

Type/fuse: ISO
No./relays: 2

191724 Powr-Blok Std pkg 1

The POWR-BLOKSTM system gives you unlimited flexibility to design electrical distribution systems that range from simple to complex. Choose from a variety of POWR-BLOKSTM modules that accommodate everything you need in power distribution or circuit protection blocks, including fuses, circuit breakers, relays, flashers and specialty devices. It is the totally modular way to build your oen junction block. Typical Applications: Buses, Conversion Vans, Off Road and Recreational Vehicles, Construction Equipment, Emergency Vehicles, Farm Equipment, Heavy Duty Trucks, Industrial Vehicles, Marine, High Performance and Racing Vehicles. Terminals 4.7 mm: HC-CARGO 191737, 191738. Terminals 6.3 mm: HC-CARGO 191764, 191765, 191766.

Littelfuse



Height: 30.48 mm
Module: Relay holder

Type/fuse: Micro
No./relays: 3

191725 Powr-Blok Stud Module Std pkg 1

The POWR-BLOKSTM system gives you unlimited flexibility to design electrical distribution systems that range from simple to complex. Choose from a variety of POWR-BLOKSTM modules that accommodate everything you need in power distribution or circuit protection blocks, including fuses, circuit breakers, relays, flashers and specialty devices. It is the totally modular way to build your oen junction block. Typical Applications: Buses, Conversion Vans, Off Road and Recreational Vehicles, Construction Equipment, Emergency Vehicles, Farm Equipment, Heavy Duty Trucks, Industrial Vehicles, Marine, High Performance and Racing Vehicles.

Littelfuse

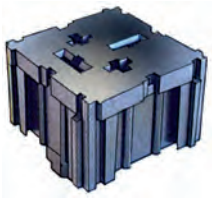
Height: 44.45 mm

Type/fuse: Assemble

191726 Powr-Blok Relay Socket Std pkg 10

The POWR-BLOKSTM system gives you unlimited flexibility to design electrical distribution systems that range from simple to complex. Choose from a variety of POWR-BLOKSTM modules that accommodate everything you need in power distribution or circuit protection blocks, including fuses, circuit breakers, relays, flashers and specialty devices. It is the totally modular way to build your oen junction block. Typical Applications: Buses, Conversion Vans, Off Road and Recreational Vehicles, Construction Equipment, Emergency Vehicles, Farm Equipment, Heavy Duty Trucks, Industrial Vehicles, Marine, High Performance and Racing Vehicles. Terminals 6.3 mm: HC-CARGO 191764, 191765, 191766. Terminals 9.5 mm: HC-CARGO 191025.

Littelfuse



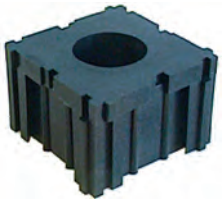
Height: 25.4 mm
Module: Relay holder

Type/fuse: Power
No./relays: 1

191767 Powr-Blok Mounting Std pkg 10

The POWR-BLOKSTM system gives you unlimited flexibility to design electrical distribution systems that range from simple to complex. Choose from a variety of POWR-BLOKSTM modules that accommodate everything you need in power distribution or circuit protection blocks, including fuses, circuit breakers, relays, flashers and specialty devices. It is the totally modular way to build your oen junction block. Typical Applications: Buses, Conversion Vans, Off Road and Recreational Vehicles, Construction Equipment, Emergency Vehicles, Farm Equipment, Heavy Duty Trucks, Industrial Vehicles, Marine, High Performance and Racing Vehicles. Mounting accessory modules designed for mounting fuse block to be used w/ mounting stand -off.

Littelfuse



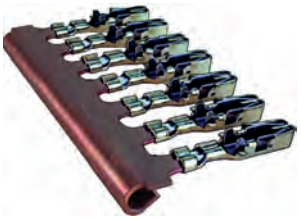
Height: 76.2 mm

BRIDGE

191743 Powr-Blok Std pkg 2

Powr-blok: HC-CARGO 191719.

Littelfuse



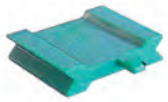
Outlets: 7 way

ACCESSORIES

191727 Powr-Blok Connecting Locks Std pkg 10

Insertable/removable locks designed to connect Powr-blok modules.

Littelfuse



Height: 20.32 mm

191728 Powr-Blok Std pkg 10

I.D. 8 mm. O.D. 25 mm. Rigid plastic.

Littelfuse

Height: 19 mm

191729 Powr-Blok Std pkg 10

Littelfuse

Height: 25.4 mm

191730 Powr-Blok Std pkg 10

Littelfuse

Height: 31.7 mm

191731 Powr-Blok Mounting Leg Std pkg 10

Littelfuse

Height: 25 mm

191732 Powr-Blok Mounting Leg Std pkg 10

Littelfuse

Height: 76.2 mm

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

SWITCHES

ROTATING

180007 3-Way Switch — Std pkg 1

Voltage: 12/24

Mount. hole size: 26 mm

Socket type: BA7s
Button colour: Black
Switch combination: On/Off/On
Terminals: 7
Illuminated: Yes
Bulb incl.: No

180156 Rotating Switch — Std pkg 1

Comes w/ 3 lenses. Red/yellow/green.

Voltage: 12
Amp: 15

Mount. hole size: 12.5 mm

Bulb type: Wedge-base
Button colour: Black
Switch combination: On/Off
Terminals: 4
Illuminated: Yes
Bulb incl.: Yes
Protection degree: IP 53

180158 Rotating Switch — Std pkg 1

Servicing: HC-CARGO 180159

For light, fan etc.

Voltage: 12/24
Amp: 15/7.5

Mount. hole size: 12.5 mm
Positions: 0-1-2-3

Button colour: Black
Terminals: 5
Protection degree: IP 53

180314 Rotating Switch — Std pkg 1

w/ blower symbol.

Voltage: 12/24
Amp: 15/7.5

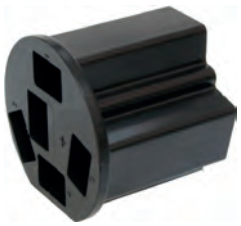
Mount. hole size: 12.5 mm
Positions: 0-1-2

Button colour: Black
Button symbol: Blower
Terminals: 3
Protection degree: IP 53

ACCESSORIES

180159 Multi Socket — Std pkg 5

For HC-CARGO 180158.



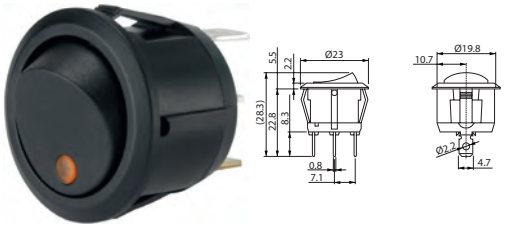
MINI ROCKER

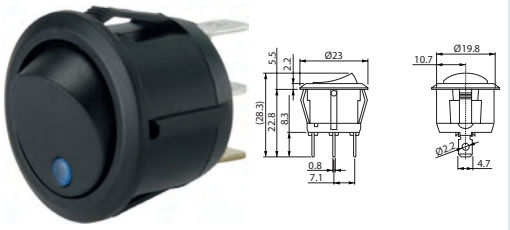
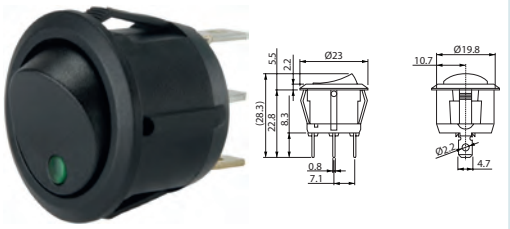
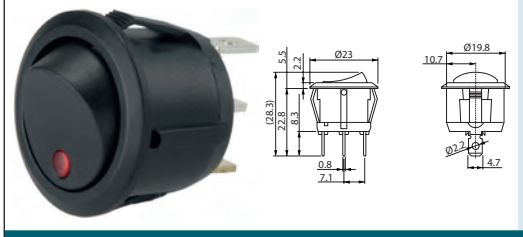
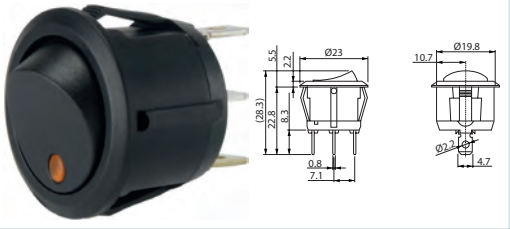
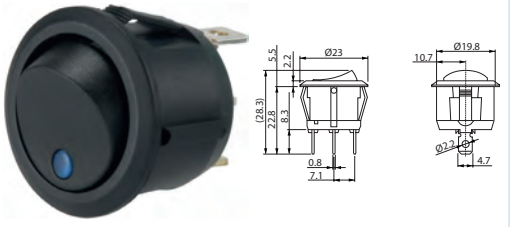
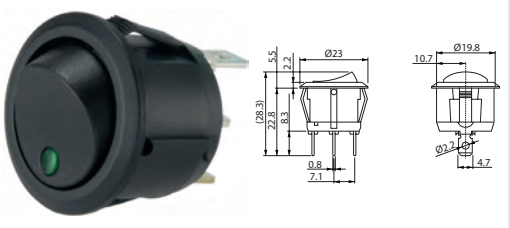
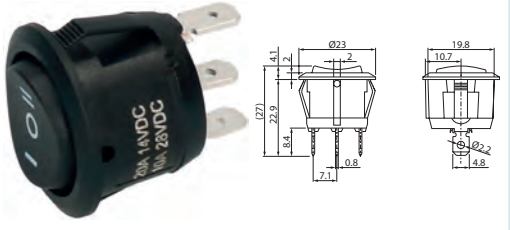
180597 Mini Rocker Switch — Std pkg 5

Voltage: 12/24
Amp: 20/10

Mount. hole size: 21 mm

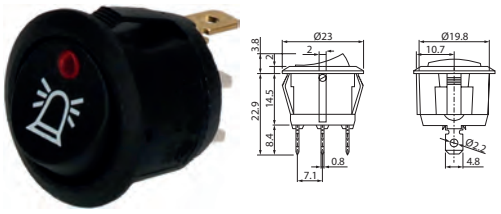
Type/terminal: Flat
Button colour: Black
Switch combination: On/Off
Terminals: 2

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
180598 Mini Rocker Switch Std pkg 5			
	Voltage: 12 **Amp:** 20	**Mount. hole size:** 21 mm	**Type/terminal:** Flat **Button colour:** Orange **Switch combination:** On/Off **Terminals:** 3 **Illuminated:** Yes
180599 Mini Rocker Switch Std pkg 5			
	Voltage: 12 **Amp:** 20	**Mount. hole size:** 21 mm	**Type/terminal:** Flat **Button colour:** Red **Switch combination:** On/Off **Terminals:** 3 **Illuminated:** Yes
180600 Mini Rocker Switch Std pkg 5			
	Voltage: 12 **Amp:** 10	**Mount. hole size:** 21 mm **Positions:** 0n-on	**Type/terminal:** Flat **Button colour:** Black **Switch combination:** On/On **Terminals:** 3
180601 Mini Rocker Switch Std pkg 5			
	Voltage: 12 **Amp:** 20	**Mount. hole size:** 20 mm	**Type/terminal:** Flat **Bulb type:** LED **Button colour:** Red **Switch combination:** On/Off **Terminals:** 3 **Illuminated:** Yes **Alternativ no.:** 181560
180627 Mini Rocker Switch Std pkg 5			
	Voltage: 12 **Amp:** 20	**Mount. hole size:** 21 mm	**Type/terminal:** Flat **Button colour:** Blue **Switch combination:** On/Off **Terminals:** 3 **Illuminated:** Yes
180628 Mini Rocker Switch Std pkg 5			
	Voltage: 12 **Amp:** 20	**Mount. hole size:** 21 mm	**Type/terminal:** Flat **Button colour:** Green **Switch combination:** On/Off **Terminals:** 3 **Illuminated:** Yes
181557 Mini Rocker Switch Std pkg 5			
	**Voltage:** 12 **Amp:** 20	**Mount. hole size:** 20 mm	**Type/terminal:** Flat **Bulb type:** LED **Button colour:** Orange **Switch combination:** On/Off **Material:** Plastic **Terminals:** 3 **Automatic return:** No

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
181558 Mini Rocker Switch Std pkg 5			
	**Voltage:** 12 **Amp:** 20	**Mount. hole size:** 20 mm	**Type/terminal:** Flat **Bulb type:** LED **Button colour:** Blue **Switch combination:** On/Off **Material:** Plastic **Terminals:** 3 **Illuminated:** Yes **Automatic return:** No
181559 Mini Rocker Switch Std pkg 5			
	**Voltage:** 12 **Amp:** 20	**Mount. hole size:** 20 mm	**Type/terminal:** Flat **Bulb type:** LED **Button colour:** Green **Switch combination:** On/Off **Material:** Plastic **Terminals:** 3 **Illuminated:** Yes **Automatic return:** No
181607 Mini Rocker Switch Std pkg 5			
	**Voltage:** 24 **Amp:** 10	**Mount. hole size:** 21 mm	**Type/terminal:** Flat **Bulb type:** LED **Button colour:** Red **Switch combination:** On/Off **Terminals:** 3 **Illuminated:** Yes
181608 Mini Rocker Switch Std pkg 5			
	**Voltage:** 24 **Amp:** 10	**Mount. hole size:** 20 mm	**Type/terminal:** Flat **Bulb type:** LED **Button colour:** Orange **Switch combination:** On/Off **Terminals:** 3 **Illuminated:** Yes
181609 Mini Rocker Switch Std pkg 5			
	**Voltage:** 24 **Amp:** 10	**Mount. hole size:** 20 mm	**Type/terminal:** Flat **Bulb type:** LED **Button colour:** Blue **Switch combination:** On/Off **Terminals:** 3 **Illuminated:** Yes
181610 Mini Rocker Switch Std pkg 5			
	**Voltage:** 24 **Amp:** 10	**Mount. hole size:** 20 mm	**Type/terminal:** Flat **Bulb type:** LED **Button colour:** Green **Switch combination:** On/Off **Terminals:** 3 **Illuminated:** Yes
182371 Mini Rocker Switch Std pkg 1			
	**Voltage:** 14 **Amp:** 20	**Mount. hole size:** 20.2 mm	**Type/terminal:** Flat **Colour:** Black **Button colour:** Black **Switch combination:** On/Off/On **Material:** Nylon 66 **Terminals:** 3 **Automatic return:** No

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

182383* Mini Rocker Switch — Std pkg 1

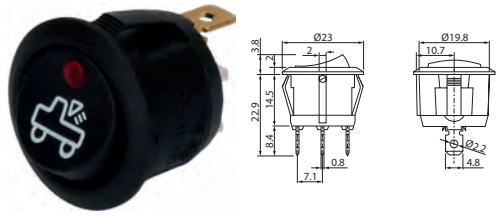


Voltage: 12
Amp: 20

Mount. hole size:
20 mm

Type/terminal: Flat
Bulb type: LED
Button colour: Red
Button symbol: Rotating beacon
Switch combination: On/Off
Terminals: 3
Illuminated: Yes

182384* Mini Rocker Switch — Std pkg 1

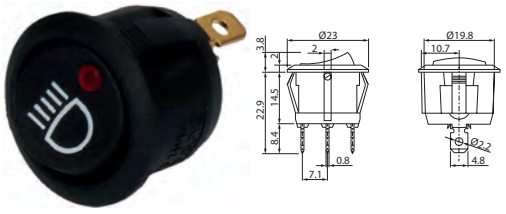


Voltage: 12
Amp: 20

Mount. hole size:
20 mm

Type/terminal: Flat
Bulb type: LED
Button colour: Red
Button symbol: Loading Floor Lamp
Switch combination: On/Off
Terminals: 3
Illuminated: Yes

182385* Mini Rocker Switch — Std pkg 1

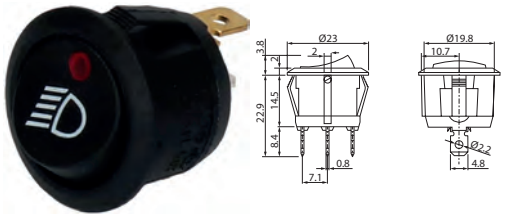


Voltage: 12
Amp: 20

Mount. hole size:
20 mm

Type/terminal: Flat
Bulb type: LED
Button colour: Red
Button symbol: Long light
Switch combination: On/Off
Terminals: 3
Illuminated: Yes

182386* Mini Rocker Switch — Std pkg 1

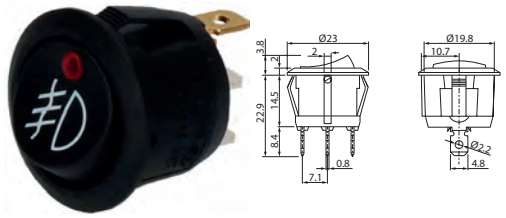


Voltage: 12
Amp: 20

Mount. hole size:
20 mm

Type/terminal: Flat
Bulb type: LED
Button colour: Red
Button symbol: Dipped beam
Switch combination: On/Off
Terminals: 3
Illuminated: Yes

182387* Mini Rocker Switch — Std pkg 1



Voltage: 12
Amp: 20

Mount. hole size:
20 mm

Type/terminal: Flat
Bulb type: LED
Button colour: Red
Button symbol: Fog Light
Switch combination: On/Off
Terminals: 3
Illuminated: Yes

ROCKER

180090 Rocker Switch — Std pkg 5

Voltage: 12/24
Amp: 16/8

Mount. hole size:
28.5x11.5 mm

Button colour: Black
Switch combination: On/Off
Terminals: 2

180099 Rocker Switch — Std pkg 5

Supplied w/ 12 V bulb.

Voltage: 12
Amp: 16

Mount. hole size:
28.5x11.5 mm

Button colour: Blue
Switch combination: On/Off
Terminals: 3
Illuminated: Yes

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
180100 Rocker Switch — Std pkg 5			
Supplied w/ 12 V bulb.			
	Voltage: 12 **Amp:** 16	**Mount. hole size:** 28.5x11.5 mm	**Button colour:** Green **Switch combination:** On/Off **Terminals:** 3 **Illuminated:** Yes
180101 Rocker Switch — Std pkg 5			
Supplied w/ 12 V bulb.			
	Voltage: 12 **Amp:** 16	**Mount. hole size:** 28.5x11.5 mm	**Button colour:** Red **Switch combination:** On/Off **Terminals:** 3 **Illuminated:** Yes
180176 Rocker Switch — Std pkg 5			
	Voltage: 12/24 **Amp:** 10/5	**Mount. hole size:** 12.5 mm	**Button colour:** Black **Switch combination:** On/Off **Terminals:** 2
180177 Rocker Switch — Std pkg 5			
Supplied w/ 12 V bulb.			
	Voltage: 12 **Amp:** 10	**Mount. hole size:** 12.5 mm	**Button colour:** Blue **Switch combination:** On/Off **Terminals:** 3 **Illuminated:** Yes
180178 Rocker Switch — Std pkg 5			
Supplied w/ 12 V bulb.			
	Voltage: 12 **Amp:** 10	**Mount. hole size:** 12.5 mm	**Button colour:** Green **Switch combination:** On/Off **Terminals:** 3 **Illuminated:** Yes
180179 Rocker Switch — Std pkg 5			
Supplied w/ 12 V bulb.			
	Voltage: 12 **Amp:** 10	**Mount. hole size:** 12.5 mm	**Button colour:** Red **Switch combination:** On/Off **Terminals:** 3 **Illuminated:** Yes
180180 Rocker Switch — Std pkg 5			
Supplied w/ 12 V bulb.			
	Voltage: 12 **Amp:** 10	**Mount. hole size:** 12.5 mm **Positions:** 3	**Button colour:** Orange **Switch combination:** On/Off **Terminals:** 3 **Illuminated:** Yes

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

180206 Rocker Switch — Std pkg 1

w/o symbol plate. Illuminated w/ location and function light. Bulb: HC-CARGO 181615, 181667 (LED). Blind cover: HC-CARGO 181661. Multi Plug: HC-CARGO 180208. Plastic Module Panel: HC-CARGO 181662, 181663, 181664, 181665, 181666. Symbol Plate: HC-CARGO 180209, 180210, 181462, 181463, 181641…181660.

Voltage: 12
Amp: 16

Mount. hole size:
22.1x44.1 mm

Bulb type: 170758
Socket type: T5
Button colour: Black
Switch combination: On/Off
Terminals: 4
Illuminated: Yes
Bulb incl.: Yes

180207 Rocker Switch — Std pkg 1

w/o symbol plate. Illuminated w/ location and function light. Bulb: HC-CARGO 181632, 181668 (LED). Blind cover: HC-CARGO 181661. Multi Plug: HC-CARGO 180208. Plastic Module Panel: HC-CARGO 181662, 181663, 181664, 181665, 181666. Symbol Plate: HC-CARGO 180209, 180210, 181462, 181463, 181641…181660.

Voltage: 24
Amp: 8

Mount. hole size:
22.1x44.1 mm

Socket type: T5
Button colour: Black
Switch combination: On/Off
Terminals: 4
Illuminated: Yes
Bulb incl.: Yes

181546 Rocker Switch — Std pkg 1

w/o symbol plate. Illuminated w/ location and function light. Bulb: HC-CARGO 181615, 181667 (LED), 181632, 181668 (LED). Blind cover: HC-CARGO 181661. Multi Plug: HC-CARGO 180208. Plastic Module Panel: HC-CARGO 181662, 181663, 181664, 181665, 181666. Symbol Plate: HC-CARGO 180209, 180210, 181462, 181463, 181641…181660.

Voltage: 12/24
Amp: 16/8

Mount. hole size:
22.1x44.1 mm

Type/terminal: Flat
Button colour: Black
Switch combination: (On)/Off/(On)
Terminals: 6
Bulb incl.: No
Automatic return: Yes
Alternativ no.: 182370

181554 Rocker Switch — Std pkg 5

Voltage: 12
Amp: 16

Mount. hole size:
12.5 mm

Bulb type: LED
Button colour: Orange
Switch combination: On/Off
Material: Plastic
Terminals: 3
Automatic return: No

181555 Rocker Switch — Std pkg 5

Voltage: 12
Amp: 16

Mount. hole size:
12.5 mm

Bulb type: LED
Colour: Green
Button colour: Black
Switch combination: On/Off
Material: Plastic
Terminals: 3
Automatic return: No

181556 Rocker Switch — Std pkg 5

Voltage: 12
Amp: 30

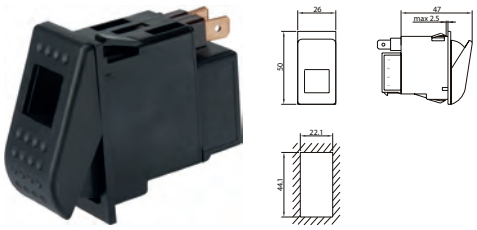
Mount. hole size:
12.5 mm

Bulb type: LED
Button colour: Red
Switch combination: On/Off
Material: Plastic
Terminals: 3
Automatic return: No

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

181638 Rocker Switch — Std pkg 1

w/o symbol plate. Illuminated w/ location and function light. Bulb: HC-CARGO 181615, 181667 (LED). Blind cover: HC-CARGO 181661. Multi Plug: HC-CARGO 180208. Plastic Module Panel: HC-CARGO 181662, 181663, 181664, 181665, 181666. Symbol Plate: HC-CARGO 180209, 180210, 181462, 181463, 181641…181660.



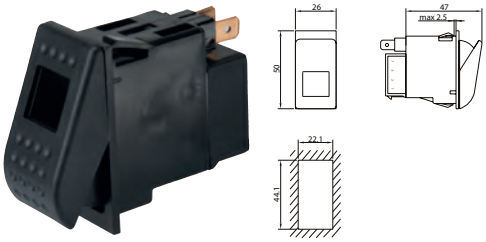
Voltage: 12
Amp: 16

Mount. hole size:
22.1x44.1 mm

Socket type: T5
Button colour: Black
Switch combination: On/Off
Terminals: 4
Bulb incl.: Yes
Automatic return: No

181639 Rocker Switch — Std pkg 1

w/o symbol plate. Illuminated w/ location and function light. Bulb: HC-CARGO 181632, 181668 (LED). Blind cover: HC-CARGO 181661. Multi Plug: HC-CARGO 180208. Plastic Module Panel: HC-CARGO 181662, 181663, 181664, 181665, 181666. Symbol Plate: HC-CARGO 180209, 180210, 181462, 181463, 181641…181660.



Voltage: 24
Amp: 8

Mount. hole size:
22.1x44.1 mm

Socket type: T5
Button colour: Black
Switch combination: On/Off
Terminals: 4
Bulb incl.: Yes
Automatic return: No

181640 Rocker Switch — Std pkg 1

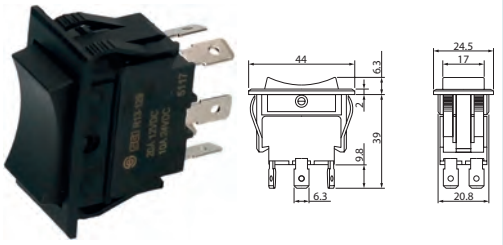
w/o symbol plate. Illuminated w/ location and function light. Bulb: HC-CARGO 181615, 181667 (LED), 181632, 181668 (LED). Blind cover: HC-CARGO 181661. Multi Plug: HC-CARGO 180208. Plastic Module Panel: HC-CARGO 181662, 181663, 181664, 181665, 181666. Symbol Plate: HC-CARGO 180209, 180210, 181462, 181463, 181641…181660.

Voltage: 12/24
Amp: 16/8

Mount. hole size:
22.1x44.1 mm

Type/terminal: Flat
Button colour: Black
Switch combination: (On)/Off/(On)
Terminals: 6
Bulb incl.: No
Automatic return: No

182369 Rocker Switch — Std pkg 1

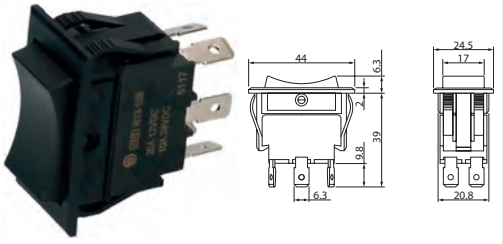


Voltage: 12/24
Amp: 20/10

Mount. hole size:
22.2x37.3 mm

Type/terminal: Flat
Colour: Black
Button colour: Black
Switch combination: On/Off/On
Material: Nylon 66
Terminals: 6
Automatic return: No

182370 Rocker Switch — Std pkg 1



Voltage: 12/24
Amp: 20/10

Mount. hole size:
21.2x37.3 mm

Type/terminal: Flat
Colour: Black
Button colour: Black
Switch combination: (On)/Off/(On)
Material: Nylon 66
Terminals: 6
Automatic return: Yes
Alternativ no.: 181546

211123 Rocker Switch — Std pkg 1

Servicing: HC-CARGO 211083, 211097

Voltage: 12/24

Dim.: 20x10x24 mm

Type/terminal: Flat
Button colour: Black
Terminals: 3

ACCESSORIES

180208 Multi Plug — Std pkg 10 — **Servicing:** HC-CARGO 180206, 180207, 181546, 181638, 181639, 181640

For SWF-type switches. Terminal: HC-CARGO 190252, 190868, 192377, 192376, 191029.

Type/terminal: Flat
No./poles: 8
Plug: Female

180209 Symbol Plate — Std pkg 10 — **Servicing:** HC-CARGO 180206, 180207, 181546, 181638, 181639, 181640

Colour: Yellow
Symbol: Rotating beacon

180210 Symbol Plate — Std pkg 10 — **Servicing:** HC-CARGO 180206, 180207, 181546, 181638, 181639, 181640

Colour: Green
Symbol: Work Light, front

181462 Symbol Plate — Std pkg 10 — **Servicing:** HC-CARGO 180206, 180207, 181546, 181638, 181639, 181640

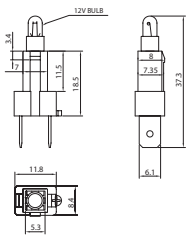
Colour: Green

181463 Symbol Plate — Std pkg 10 — **Servicing:** HC-CARGO 180206, 180207, 181546, 181638, 181639, 181640

Colour: Red

181615 Bulb Holder 12 V — Std pkg 5 — **Servicing:** HC-CARGO 180206, 181546, 181638, 181640

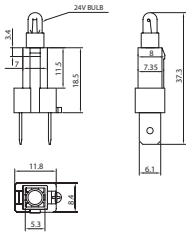
Bulb: HC-CARGO 170758.



Voltage: 12

181632 Bulb Holder 24 V — Std pkg 5 — **Servicing:** HC-CARGO 180207, 181546, 181639, 181640

Bulb: HC-CARGO 171029.



Voltage: 24

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
181641 Symbol Plate Std pkg 10	**Servicing:** HC-CARGO 180206, 180207, 181546, 181638, 181639, 181640		**Colour:** Green **Symbol:** High Beam
181642 Symbol Plate Std pkg 10	**Servicing:** HC-CARGO 180206, 180207, 181546, 181638, 181639, 181640		**Colour:** Green **Symbol:** Fog Light
181643 Symbol Plate Std pkg 10	**Servicing:** HC-CARGO 180206, 180207, 181546, 181638, 181639, 181640		**Colour:** Black **Symbol:** Parking light
181644 Symbol Plate Std pkg 10	**Servicing:** HC-CARGO 180206, 180207, 181546, 181638, 181639, 181640		**Colour:** Red **Symbol:** Hazard Warning Lamp
181645 Symbol Plate Std pkg 10	**Servicing:** HC-CARGO 180206, 180207, 181546, 181638, 181639, 181640		**Colour:** Black **Symbol:** Interior Lighting
181646 Symbol Plate Std pkg 10	**Servicing:** HC-CARGO 180206, 180207, 181546, 181638, 181639, 181640		**Colour:** Green **Symbol:** Work Light
181647 Symbol Plate Std pkg 10	**Servicing:** HC-CARGO 180206, 180207, 181546, 181638, 181639, 181640		**Colour:** Green **Symbol:** Work Light
181648 Symbol Plate Std pkg 10	**Servicing:** HC-CARGO 180206, 180207, 181546, 181638, 181639, 181640		**Colour:** Black **Symbol:** Loading Floor Lamp

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
181649 Symbol Plate Std pkg 10	**Servicing:** HC-CARGO 180206, 180207, 181546, 181638, 181639, 181640		**Colour:** Green **Symbol:** Rotating beacon
181650 Symbol Plate Std pkg 10	**Servicing:** HC-CARGO 180206, 180207, 181546, 181638, 181639, 181640		**Colour:** Green **Symbol:** Wiper & Washer
181651 Symbol Plate Std pkg 10	**Servicing:** HC-CARGO 180206, 180207, 181546, 181638, 181639, 181640		**Colour:** Green **Symbol:** Horn
181652 Symbol Plate Std pkg 10	**Servicing:** HC-CARGO 180206, 180207, 181546, 181638, 181639, 181640		**Colour:** Green **Symbol:** Fan
181653 Symbol Plate Std pkg 10	**Servicing:** HC-CARGO 180206, 180207, 181546, 181638, 181639, 181640		**Colour:** Green **Symbol:** Washer
181654 Symbol Plate Std pkg 10	**Servicing:** HC-CARGO 180206, 180207, 181546, 181638, 181639, 181640		**Colour:** Green **Symbol:** Windscreen Wiper
181655 Symbol Plate Std pkg 10	**Servicing:** HC-CARGO 180206, 180207, 181546, 181638, 181639, 181640		**Colour:** Green **Symbol:** Seat Heating
181656 Symbol Plate Std pkg 10	**Servicing:** HC-CARGO 180206, 180207, 181546, 181638, 181639, 181640		**Colour:** Green **Symbol:** Parking Brake

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
181657 Symbol Plate Std pkg 10	**Servicing:** HC-CARGO 180206, 180207, 181546, 181638, 181639, 181640		**Colour:** Green **Symbol:** Indicator
181658 Symbol Plate Std pkg 10	**Servicing:** HC-CARGO 180206, 180207, 181546, 181638, 181639, 181640		**Colour:** Green **Symbol:** Rear Window Wiper
181659 Symbol Plate Std pkg 10	**Servicing:** HC-CARGO 180206, 180207, 181546, 181638, 181639, 181640		**Colour:** Green **Symbol:** Rear Windscreen Wash
181660 Symbol Plate Std pkg 10	**Servicing:** HC-CARGO 180206, 180207, 181546, 181638, 181639, 181640		**Colour:** Green **Symbol:** Heating & Ventilation
181661 Blind cover Std pkg 5	**Servicing:** HC-CARGO 180206, 180207, 181546, 181638, 181639, 181640		
181662 Plastic Module Panel Std pkg 5	**Servicing:** HC-CARGO 180206, 180207, 181546, 181638, 181639, 181640		
181663 Plastic Module Panel Std pkg 5	**Servicing:** HC-CARGO 180206, 180207, 181546, 181638, 181639, 181640		
Can be assembled in rows.			

181664 Plastic Module Panel — Std pkg 5 — **Servicing:** HC-CARGO 180206, 180207, 181546, 181638, 181639, 181640

Can be assembled in rows (end piece.)

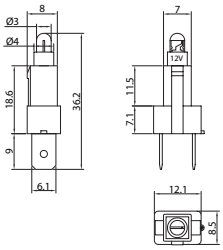
181665 Plastic Module Panel — Std pkg 1 — **Servicing:** HC-CARGO 180206, 180207, 181546, 181638, 181639, 181640

3 holes.

181666 Plastic Module Panel — Std pkg 1 — **Servicing:** HC-CARGO 180206, 180207, 181546, 181638, 181639, 181640

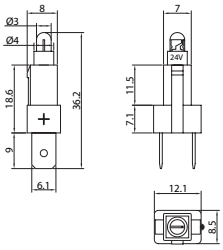
6 holes.

181667 Bulb Holder 12 V LED — Std pkg 5 — **Servicing:** HC-CARGO 180206, 181546, 181638, 181640



Voltage: 12

181668 Bulb Holder 24 V LED — Std pkg 5 — **Servicing:** HC-CARGO 180207, 181546, 181639, 181640



Voltage: 24

TOGGLE

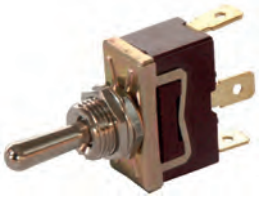
METAL ARM

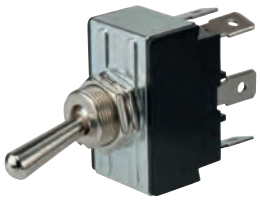
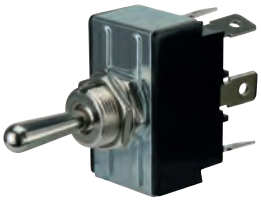
180039 3-Way Switch — Std pkg 1

For steering column of 35-40 mm.

Voltage: 12/24
Amp: 16/8

Bulb type: T 1 1/2 Midget
Socket type: T-1 1/2
Button colour: Green
Switch combination: On/Off/On
Illuminated: Yes
Bulb incl.: Yes

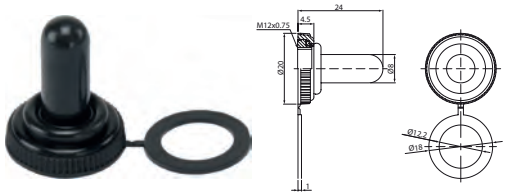
	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
180048 3-Way Switch Std pkg 5			
	Voltage: 12 **Amp:** 20	**Mount. hole size:** 12.5 mm	**Button colour:** Black **Switch combination:** On/Off/On **No./terminals w/screw:** 3
180584 Toggle Switch Std pkg 1			
Rubber Boot: HC-CARGO 181672. Cover For Toggle Switch: HC-CARGO 181551, 181552.			
	Voltage: 12/24 **Amp:** 16/8	**Mount. hole size:** 12 mm	**Switch combination:** On/Off **Material:** Metal **Terminals:** 2 **Arm:** Short
180585 Toggle Switch Std pkg 1			
Rubber Boot: HC-CARGO 180595. Spring loaded = (On).			
	Voltage: 12/24 **Amp:** 16/8	**Mount. hole size:** 12 mm	**Switch combination:** On/(On) **Material:** Metal **Terminals:** 3 **Arm:** Short
180586 Toggle Switch Std pkg 1			
Rubber Boot: HC-CARGO 181672.			
	Voltage: 12/24 **Amp:** 16/8	**Mount. hole size:** 12 mm	**Switch combination:** On/On **Material:** Metal **Terminals:** 3 **Arm:** Short
180587 Toggle Switch Std pkg 1			
Rubber Boot: HC-CARGO 181672. Spring loaded = (On).			
	**Voltage:** 12/24 **Amp:** 16/8	**Mount. hole size:** 12 mm	**Switch combination:** (On)/Off/(On) **Material:** Metal **Terminals:** 3 **Arm:** Short
180588 Toggle Switch Std pkg 1			
Rubber Boot: HC-CARGO 181672. Spring loaded = (On).			
	Voltage: 12/24 **Amp:** 16/8	**Mount. hole size:** 12 mm	**Switch combination:** On/Off/(On) **Material:** Metal **Terminals:** 3 **Arm:** Short
180589 Toggle Switch Std pkg 1			
Rubber Boot: HC-CARGO 181672.			
	Voltage: 12/24 **Amp:** 16/8	**Mount. hole size:** 12 mm	**Switch combination:** On/Off/On **Material:** Metal **Terminals:** 3 **Arm:** Short

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
180590 Toggle Switch Std pkg 1			
Rubber Boot: HC-CARGO 181672.			
	Voltage: 12/24 **Amp:** 16/8	**Mount. hole size:** 12 mm	**Switch combination:** On/Off **Material:** Metal **Terminals:** 4 **Arm:** Short **2 poles:** Yes
180591 Toggle Switch Std pkg 1			
Rubber Boot: HC-CARGO 181672.			
	**Voltage:** 12/24 **Amp:** 16/8	**Mount. hole size:** 12 mm	**Switch combination:** On/On **Material:** Metal **Terminals:** 6 **Arm:** Short **2 poles:** Yes
180592 Toggle Switch Std pkg 1			
Rubber Boot: HC-CARGO 181672. Spring loaded = (On).			
	**Voltage:** 12/24 **Amp:** 16/8	**Mount. hole size:** 12 mm	**Switch combination:** (On)/Off/(On) **Material:** Metal **Terminals:** 6 **Arm:** Short **2 poles:** Yes
180593 Toggle Switch Std pkg 1			
Rubber Boot: HC-CARGO 181672. Spring loaded = (On).			
	Voltage: 12/24 **Amp:** 16/8	**Mount. hole size:** 12 mm	**Switch combination:** On/Off/(On) **Material:** Metal **Terminals:** 6 **Arm:** Short **2 poles:** Yes
180594 Toggle Switch Std pkg 1			
Rubber Boot: HC-CARGO 181672. Cover For Toggle Switch: HC-CARGO 181551, 181552.			
	Voltage: 12/24 **Amp:** 16/8	**Mount. hole size:** 12 mm	**Switch combination:** On/Off/On **Material:** Metal **Terminals:** 6 **Arm:** Short **2 poles:** Yes
180618 Toggle Switch Std pkg 1			
Spring loaded = (On).			
	Voltage: 12/24 **Amp:** 6/3	**Mount. hole size:** 12 mm	**Switch combination:** (On)/Off/(On) **Material:** Metal **Terminals:** 3 **Arm:** Long
181276 Mini Toggle Switch Std pkg 5			
Mini.			
	Voltage: 12/24 **Amp:** 6/3	**Mount. hole size:** 6 mm	**Switch combination:** On/Off **Material:** Metal **Terminals:** 2 **Arm:** Short

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
181277 Mini Toggle Switch Std pkg 5			
Mini.			
	Voltage: 12/24 **Amp:** 6/3	**Mount. hole size:** 6 mm	**Switch combination:** On/On **Material:** Metal **Terminals:** 3 **Arm:** Short
181278 Mini Toggle Switch Std pkg 5			
	Voltage: 12/24 **Amp:** 6/3	**Mount. hole size:** 6 mm	**Switch combination:** On/Off/On **Material:** Metal **Terminals:** 3 **Arm:** Short
PLAST ARM			
180018 Toggle Switch Std pkg 5			
	Voltage: 12/24 **Amp:** 10/5	**Mount. hole size:** 12.5 mm	**Colour:** Black **Switch combination:** On/Off **Terminals:** 2 **Arm:** Long
180036 3-Way Switch Std pkg 5			
	Voltage: 12/24 **Amp:** 16/8	**Mount. hole size:** 12.5 mm	**Button colour:** Black **Switch combination:** On/Off/On **Terminals:** 3 **Arm:** Short
180088 Toggle Switch Std pkg 5			
Spring loaded = (On).			
	Voltage: 12/24 **Amp:** 16/8	**Mount. hole size:** 12.5 mm	**Colour:** Black **Switch combination:** Off/(On) **Terminals:** 2 **Arm:** Short
180091 Toggle Switch Std pkg 5			
	Voltage: 12 **Amp:** 10	**Mount. hole size:** 12.5 mm	**Colour:** Blue **Switch combination:** On/Off **Terminals:** 3 **Arm:** Short **Illuminated:** Yes **Bulb incl.:** Yes
180092 Toggle Switch Std pkg 5			
	Voltage: 12 **Amp:** 10	**Mount. hole size:** 12.5 mm	**Colour:** Green **Switch combination:** On/Off **Terminals:** 3 **Arm:** Short **Illuminated:** Yes **Bulb incl.:** Yes

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
180094 Toggle Switch Std pkg 5			
	Voltage: 12 **Amp:** 10	**Mount. hole size:** 12.5 mm	**Colour:** Red **Switch combination:** On/Off **Terminals:** 3 **Arm:** Short **Illuminated:** Yes **Bulb incl.:** Yes
180140 Toggle Switch Std pkg 5			
	Voltage: 12/24 **Amp:** 10/5	**Mount. hole size:** 12.5 mm	**Colour:** Black **Switch combination:** On/Off **Terminals:** 2 **Arm:** Short
180141 Toggle Switch Std pkg 5			
	Voltage: 12/24 **Amp:** 5/2.5	**Mount. hole size:** 12.5 mm	**Colour:** Black **Switch combination:** On/On **Terminals:** 3 **Arm:** Short **2 poles:** Yes

ACCESSORIES

180595 Rubber Boot Std pkg 5	**Servicing:** HC-CARGO 180585		
		Thread: M12x1	**Thread type:** Internal **Material:** Rubber
181551 Cover For Toggle Switch Std pkg 5	**Servicing:** HC-CARGO 180584, 180594		
			Colour: Red **Automatic return:** Yes
181552 Cover For Toggle Switch Std pkg 5	**Servicing:** HC-CARGO 180584, 180594		
			Colour: Yellow **Automatic return:** Yes
181672 Rubber Boot Std pkg 5	**Servicing:** HC-CARGO 180584, 180586, 180587, 180588, 180589, 180590, 180591, 180592, 180593, 180594		
		**Thread:** M12x0.75	**Thread type:** Internal **Material:** Rubber

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

182468* Indication plate off-on Std pkg 10 **Servicing:** HC-CARGO: 180584, 180590

Off-On.

ID: 12 mm
Length: 33.5 mm
Width: 24.2 mm

182479* Indication plate on-off-on Std pkg 10 **Servicing:** HC-CARGO: 180587, 180588, 180589, 180592, 180593, 180594, 180618

On-Off-On.

ID: 12 mm
Length: 33.5 mm
Width: 24.2 mm

PUSH-PULL

180010 Push/Pull Switch Std pkg 1

For lights ect.

Voltage: 12
Amp: 30

Mount. hole size:
10 mm

Button colour: Black
Switch combination: Off/On/On
No./terminals w/screw: 4

180021 Push/Pull Switch Std pkg 1

Max. 3 W BA 7 bulb.

Voltage: 12/24
Amp: 6/3

Mount. hole size:
12.5 mm

Type/terminal: Flat
Button colour: Orange
Switch combination: On/Off
Terminals: 2
Illuminated: Yes
Bulb incl.: No

180022 Push/Pull Switch Std pkg 1

Max. 3 W BA 7 bulb.

Voltage: 12/24
Amp: 6/3

Mount. hole size:
12.5 mm

Type/terminal: Terminal
Button colour: Green
Switch combination: On/Off
Terminals: 2
Illuminated: Yes
Bulb incl.: No

180023 Push/Pull Switch Std pkg 1

Max. 3 W BA 7 bulb.

Voltage: 12/24
Amp: 6/3

Mount. hole size:
12.5 mm

Type/terminal: Terminal
Button colour: Red
Switch combination: On/Off
Terminals: 2
Illuminated: Yes
Bulb incl.: No

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
180103 Push/Pull Switch Std pkg 5			
	Voltage: 12/24 **Amp:** 25/12.5	**Neck:** Short **Mount. hole size:** 8 mm	**Type/terminal:** Screw **Button colour:** Black **Switch combination:** On/Off **No./terminals w/screw:** 2 **Illuminated:** No
180104 Push/Pull Switch Std pkg 5			
	Voltage: 12/24 **Amp:** 25/12.5	**Neck:** Long **Mount. hole size:** 8 mm	**Button colour:** Black **Switch combination:** On/Off **No./terminals w/screw:** 2
181233 Push/Pull Switch Std pkg 5			
	Voltage: 12/24 **Amp:** 25/12.5	**Neck:** Short **Mount. hole size:** 8 mm	**Type/terminal:** Flat **Button colour:** Black **Switch combination:** On/Off **Terminals:** 2

PUSH BUTTON

180040 Push Button Switch Std pkg 1			
Rubber Boot: HC-CARGO 181272. Spring loaded = (On).			
	Voltage: 12/24 **Amp:** 25/12.5	**Mount. hole size:** 22.5 mm	**Button colour:** Black **Switch combination:** Off/(On) **No./terminals w/screw:** 2 **Moulded:** Yes **DIN norm:** 72764
180049 Push Button Switch Std pkg 1			
Rubber Boot: HC-CARGO 181272. Spring loaded = (On).			
	Voltage: 12/24 **Amp:** 25/12.5	**Mount. hole size:** 22.5 mm	**Button colour:** Black **Switch combination:** Off/(On) **No./terminals w/screw:** 2 **DIN norm:** 72764
180121 Push Button Switch Std pkg 1			
Spring loaded = (On).			
	Voltage: 12/24 **Amp:** 25/12.5	**Mount. hole size:** 22 mm	**Button colour:** Black **Switch combination:** Off/(On) **Material:** Metal **No./terminals w/screw:** 2 **DIN norm:** 72764
180215 Push Button Switch Std pkg 1			
Rubber Boot: HC-CARGO 181272. Spring loaded = (On).			
	Voltage: 12/24 **Amp:** 25/12.5	**Mount. hole size:** 22.5 mm	**Button colour:** Red **Switch combination:** Off/(On) **No./terminals w/screw:** 2 **Moulded:** Yes **Silver contact:** Yes

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

180400 Push Button Switch — Std pkg 1

Depth: 20 mm. Spring loaded = (On).

Voltage: 12/24
Amp: 7/3.5

Mount. hole size:
15.5 mm

Type/terminal: Screw
Button colour: Black
Switch combination: Off/(On)
No./terminals w/screw: 2

SPARE PARTS

181272 Rubber Boot — Std pkg 10 — **Servicing:** HC-CARGO 180049, 180040, 180215

OD: 28.3 mm
Length: 18 mm

Colour: Black
Material: Rubber

PUSH-PUSH

180123 On/Off Switch — Std pkg 1

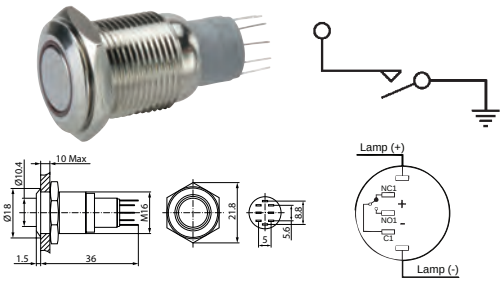
Voltage: 12/24

Mount. hole size:
8 mm

Button colour: White
Switch combination: On/Off
No./terminals w/screw: 2

181564 Push Button Switch — Std pkg 1

Illuminated ring. Vandal proof.



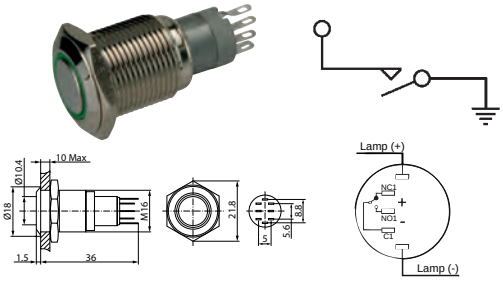
Voltage: 12/24
Amp: <2
Voltage 2: 250
Amp 2: 3

Mount. hole size:
16 mm

Type/terminal: Solder
Socket type: LED
Colour: Red
Button colour: Metallic
Switch combination: On/Off
Material: Nickel plated brass
Moulded: No
Silver contact: Yes
Protection degree: IP 67

181565 Push Button Switch — Std pkg 1

Illuminated ring. Vandal proof.



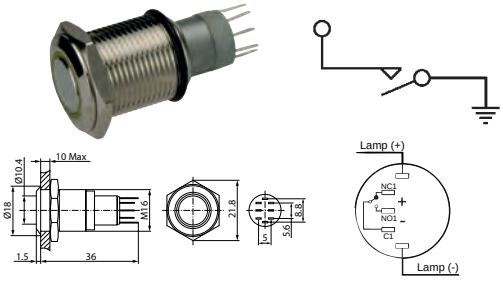
Voltage: 12/24
Amp: <2
Voltage 2: 250
Amp 2: 3

Mount. hole size:
16 mm

Type/terminal: Solder
Socket type: LED
Button colour: Green
Switch combination: On/Off
Material: Nickel plated brass
Moulded: No
Silver contact: Yes
Protection degree: IP 67

181566 Push Button Switch — Std pkg 1

Illuminated ring. Vandal proof.



Voltage: 12/24
Amp: <2
Voltage 2: 250
Amp 2: 3

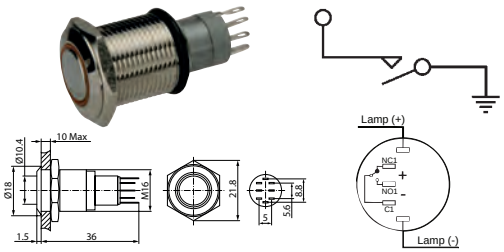
Mount. hole size:
16 mm

Type/terminal: Solder
Socket type: LED
Button colour: Yellow
Switch combination: On/Off
Material: Nickel plated brass
Moulded: No
Silver contact: Yes
Protection degree: IP 67

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

181567 Push Button Switch — Std pkg 1

Illuminated ring. Vandal proof.



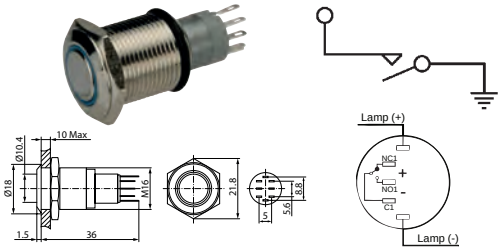
Voltage: 12/24
Amp: <2
Voltage 2: 250
Amp 2: 3

Mount. hole size:
16 mm

Type/terminal: Solder
Socket type: LED
Button colour: Orange
Switch combination: On/Off
Material: Nickel plated brass
Moulded: No
Silver contact: Yes
Protection degree: IP 67

181568 Push Button Switch — Std pkg 1

Illuminated ring. Vandal proof.



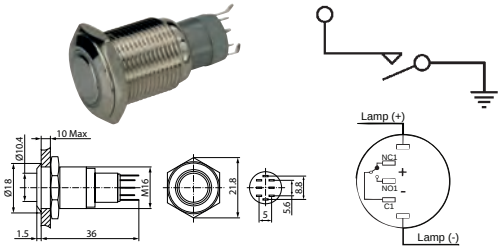
Voltage: 12/24
Amp: <2
Voltage 2: 250
Amp 2: 3

Mount. hole size:
16 mm

Type/terminal: Solder
Socket type: LED
Button colour: Blue
Switch combination: On/Off
Material: Nickel plated brass
Moulded: No
Silver contact: Yes
Protection degree: IP 67

181569 Push Button Switch — Std pkg 1

Illuminated ring. Vandal proof.



Voltage: 12/24
Amp: <2
Voltage 2: 250
Amp 2: 3

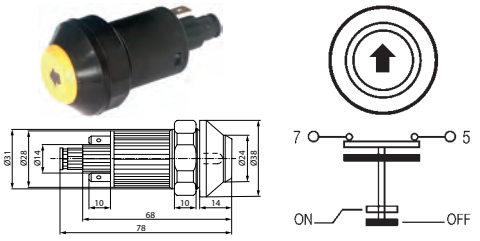
Mount. hole size:
16 mm

Type/terminal: Solder
Socket type: LED
Colour: White
Button colour: Blank
Switch combination: On/Off
Material: Nickel plated brass
Moulded: No
Silver contact: Yes
Protection degree: IP 67

MULTI PURPOSE

181249 Push Switch — Std pkg 1

Spring loaded = (On).

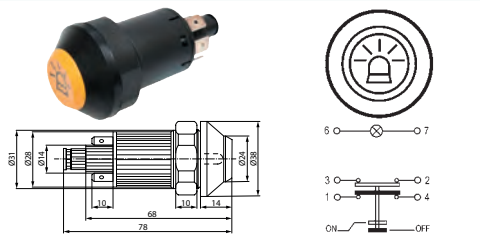


Voltage: 12/24
Amp: 50/25

Mount. hole size:
30.5 mm

Button symbol: Lift & lower
Switch combination: Off/(On)
Terminals: 2
DIN norm: 40053
Protection degree: IP 67

181251 Push Switch — Std pkg 1



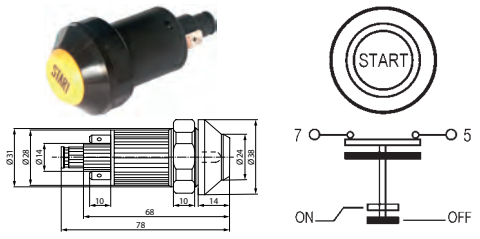
Voltage: 12/24
Amp: 50/25

Mount. hole size:
30.5 mm

Button symbol: Rotating beacon
Switch combination: On/Off
Terminals: 6
Illuminated: Yes
DIN norm: 40053
Protection degree: IP 67

181252 Push Switch — Std pkg 1

Spring loaded = (On).



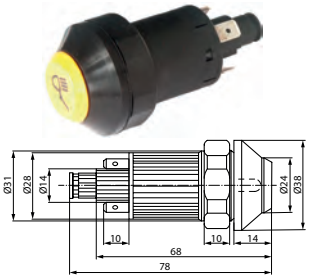
Voltage: 12/24
Amp: 50/25

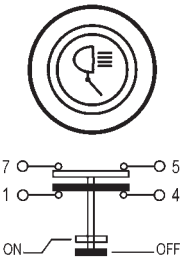
Mount. hole size:
30.5 mm

Button symbol: Start
Switch combination: Off/(On)
Terminals: 2
DIN norm: 40053
Protection degree: IP 67

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

181253 Push Switch — Std pkg 1



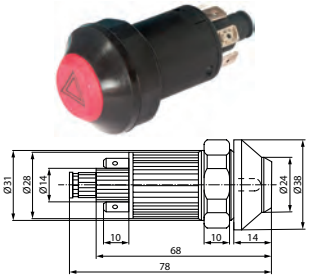


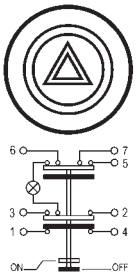
Voltage: 12/24
Amp: 50/25

Mount. hole size:
30.5 mm

Button symbol: Adjustable light
Switch combination: On/Off
Terminals: 4
Illuminated: Yes
DIN norm: 40053
Protection degree: IP 67

181256 Push Switch — Std pkg 1



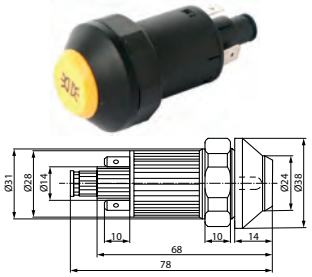


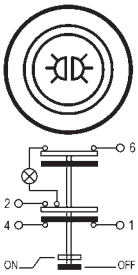
Voltage: 12/24
Amp: 50/25

Mount. hole size:
30.5 mm

Button symbol: Hazard Warning Lamp
Switch combination: On/Off
Terminals: 7
Illuminated: Yes
Automatic return: Yes
DIN norm: 40053
Protection degree: IP 67

181257 Push Switch — Std pkg 1





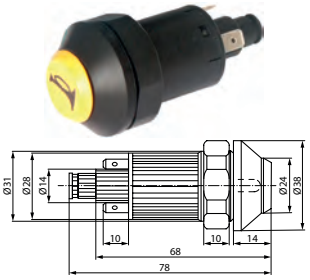
Voltage: 12/24
Amp: 50/25

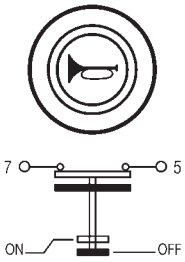
Mount. hole size:
30.5 mm

Button symbol: Position light
Switch combination: On/Off
Terminals: 4
Illuminated: Yes
DIN norm: 40053
Protection degree: IP 67

181258 Push Switch — Std pkg 1

Spring loaded = (On).



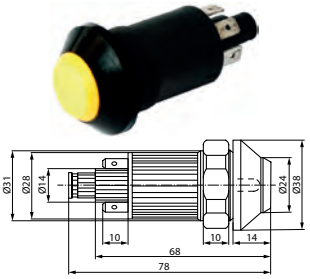


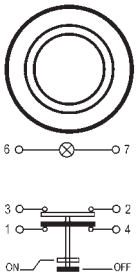
Voltage: 12/24
Amp: 50/25

Mount. hole size:
30.5 mm

Button symbol: Horn
Switch combination: Off/(On)
Terminals: 2
DIN norm: 40053
Protection degree: IP 67

181263 Push Switch — Std pkg 1





Voltage: 12/24
Amp: 50/25

Mount. hole size:
30.5 mm

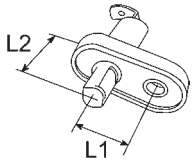
Switch combination: On/Off
Terminals: 6
Illuminated: Yes
Automatic return: Yes
DIN norm: 40053
Protection degree: IP 67

181264 Multi Socket — Std pkg 5

For multi purpose switches.

Type/terminal: Flat
No./poles: 7

DOOR & BURGLAR ALARM



180254 Door Switch — Std pkg 2

Universal.

L1 dim.: 10-15 mm
L2 dim.: 0-20 mm
L2/self adjustable: Yes

Terminals: 1

180255 Door Switch — Std pkg 2

Universal.

L1 dim.: 10-15 mm
L2 dim.: 0-20 mm
L2/self adjustable: Yes

Terminals: 2

180261 Door Switch — Std pkg 10

For luggage compartment.

L1 dim.: 15 mm
L2 dim.: 49 mm
L2/self adjustable: Yes

Terminals: 1

180263 Door Switch — Std pkg 10 — **Servicing:** Austin, Rover - Visit our web catalogue for further information

L1 dim.: 13 mm
L2 dim.: 15 mm

Terminals: 1

180265 Door Switch — Std pkg 2 — **Servicing:** Fiat, Seat - Visit our web catalogue for further information

L1 dim.: 12 mm
L2 dim.: 9 mm

Terminals: 1

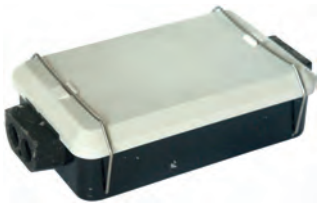
180266 Door Switch — Std pkg 2 — **Servicing:** Fiat Uno - Visit our web catalogue for further information

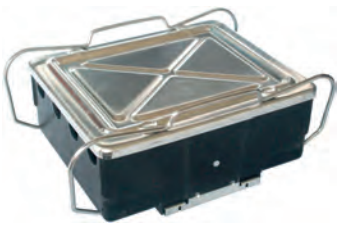
L1 dim.: 15 mm
L2 dim.: 9 mm

Terminals: 2

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
180268 Door/Alarm Switch Std pkg 1			
Universal.			
		L1 dim.: 11 mm **L2 dim.:** 22 mm **Dist. mount. holes:** 22 mm	**Terminals:** 1
180269 Door Switch Std pkg 1			
Universal.			
		L1 dim.: 12 mm **L2 dim.:** 4.5 mm **Dist. mount. holes:** 22 mm	**Terminals:** 1
180625 Door/Alarm Switch Std pkg 10			
Universal. Suitable for cutting to lenght.			
		L1 dim.: 15 mm **L2 dim.:** 40 mm	**Terminals:** 1

JUNCTION BOXES

191183 Junction Box Std pkg 1			
		Length: 75 mm **Height:** 35 mm **Width:** 75 mm	**Cable entries:** 12 **Connection block:** No
191202 Junction Box Std pkg 1			
		**Length:** 120 mm **Height:** 36 mm **Width:** 79 mm	**Mount.:** Screw **Locking device:** Mounting bracket **Material/house:** Plastic **No./poles:** 6 **Cable entries:** 4 **Waterproof:** Yes **Dust proof:** Yes
191203 Junction Box Std pkg 1			
		Length: 120 mm **Height:** 36 mm **Width:** 79 mm	**Type:** Dual **Mount.:** Terminal **Locking device:** Mounting bracket **Material/house:** Plastic **No./poles:** 8 **Cable entries:** 4 **Waterproof:** Yes **Dust proof:** Yes
191204 Junction Box Std pkg 1			
		Length: 120 mm **Height:** 36 mm **Width:** 79 mm	**Mount.:** Screw **Locking device:** Mounting bracket **Material/house:** Plastic **No./poles:** 8 **Cable entries:** 4 **Waterproof:** Yes **Dust proof:** Yes

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
191205 Junction Box Std pkg 1			
		Length: 120 mm **Height:** 36 mm **Width:** 79 mm	**Mount.:** Terminal **Locking device:** Mounting bracket **Material/house:** Plastic **No./poles:** 12 **Cable entries:** 4 **Waterproof:** Yes **Dust proof:** Yes
191206 Junction Box Std pkg 1			
		Length: 120 mm **Height:** 36 mm **Width:** 79 mm	**Mount.:** Screw **Locking device:** Mounting bracket **Material/house:** Plastic **No./poles:** 12 **Cable entries:** 4 **Waterproof:** Yes **Dust proof:** Yes
191207 Junction Box Std pkg 1			
		Length: 140 mm **Height:** 47 mm **Width:** 100 mm	**Type:** Dual **Mount.:** Terminal **Locking device:** Mounting bracket **Material/house:** Plastic **No./poles:** 12 **Cable entries:** 6 **Waterproof:** Yes **Dust proof:** Yes
191208 Junction Box Std pkg 1			
		Length: 145 mm **Height:** 45 mm **Width:** 100 mm	**Mount.:** Terminal **Locking device:** Screw **Material/house:** Plastic **No./poles:** 24 **Cable entries:** 4 **Waterproof:** Yes **Dust proof:** Yes
191209 Junction Box Std pkg 1			
		Length: 150 mm **Height:** 45 mm **Width:** 93 mm	**Type:** Dual **Mount.:** Terminal **Locking device:** Mounting bracket **Material/house:** Plastic **Material/lid:** Aluminium **No./poles:** 8 **Waterproof:** Yes **Dust proof:** Yes
191210 Junction Box Std pkg 1			
		Length: 120 mm **Height:** 30 mm **Width:** 69 mm	**Mount.:** Screw **Locking device:** Mounting bracket **Material/house:** Plastic **Material/lid:** Aluminium **No./poles:** 6 **Waterproof:** Yes **Dust proof:** Yes
191211 Junction Box Std pkg 1			
Cable entries and blind: HC-CARGO 191220, 191221, 191222, 191223. Terminal Block: HC-CARGO 191212, 191213, 191214.			
		**Length:** 190 mm **Height:** 80 mm **Width:** 135 mm	**Locking device:** Mounting bracket **Material/house:** Plastic **Material/lid:** Aluminium **Cable entries:** 8 **Waterproof:** Yes **Dust proof:** Yes **Connection block:** No

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

191215 Junction Box — Std pkg 1

Cable entries and blind: HC-CARGO 191220, 191221, 191222, 191223. Connecting block: HC-CARGO 191212, 191213, 191214, 191218, 191219.

Length: 151 mm
Height: 55 mm
Width: 93 mm

Locking device: Mounting bracket
Material/house: Plastic
Material/lid: Aluminium
Cable entries: 5
Waterproof: Yes
Dust proof: Yes
Connection block: No

191216 Junction Box — Std pkg 1

Cable entries and blind: HC-CARGO 191220, 191221, 191222, 191223. Connecting block: HC-CARGO , 191218, 191219.

Length: 151 mm
Height: 55 mm
Width: 93 mm

Locking device: Mounting bracket
Material/house: Plastic
Material/lid: Aluminium
Cable entries: 6
Waterproof: Yes
Dust proof: Yes
Connection block: No

191429 Junction Box — Std pkg 1

Length: 127 mm
Height: 41 mm
Width: 108 mm

Mount.: Screw
Colour: Transparent
Material/house: Rubber
Material/lid: Plastic
No./poles: 8
Cable entries: 4
Waterproof: Yes
Dust proof: Yes

191507 Junction Box — Std pkg 1

Cable dim.: 6 mm²
Length: 125 mm
Height: 25 mm
Width: 73 mm

Mount.: Screw
Material/house: Plastic
No./poles: 6
Cable entries: 4
Waterproof: Yes
Dust proof: Yes

191508 Junction Box — Std pkg 1

Cable dim.: 6 mm²
Length: 125 mm
Height: 25 mm
Width: 73 mm

Mount.: Screw
Material/house: Plastic
No./poles: 8
Cable entries: 4
Waterproof: Yes
Dust proof: Yes

191510 Junction Box — Std pkg 1

Cable dim.: 6 mm²
Length: 125 mm
Height: 25 mm
Width: 73 mm

Type: Dual
Mount.: Terminal
Material/house: Plastic
No./poles: 8
Cable entries: 4
Waterproof: Yes
Dust proof: Yes

191755 Junction Box — Std pkg 1

Length: 105 mm
Height: 66 mm
Width: 105 mm

Colour: White
Material/house: Plastic
Waterproof: Yes
Dust proof: Yes

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

191984 Junction Box Std pkg 1

4 double 11 pole flat plug connection and 2 double 4 pole flat plug connection. w/ locking clamps or alternatively 4 screws.

Length: 167 mm
Height: 99 mm
Width: 157 mm

Mount.: Terminal
Material/house: Plastic
Cable entries: 16
Waterproof: Yes
Protection degree: IP 65
ADR-approved: Yes
GGVS approval: Yes

192218 Junction Box Std pkg 1

Power junction box for cables up to 25 mm². Contains 2xM8 studs.

ACCESSORIES

191220 Cable Entries Std pkg 10 **Servicing:** HC-CARGO 191211, 191215, 191216

O.D. 7 mm.

191221 Cable Entries Std pkg 10 **Servicing:** HC-CARGO 191211, 191215, 191216

O.D. 9.5 mm.

191222 Cable Entries Std pkg 10 **Servicing:** HC-CARGO 191211, 191215, 191216

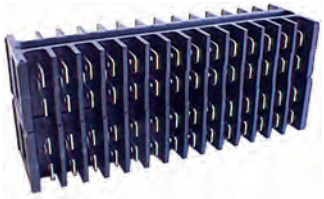
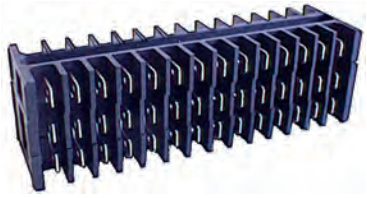
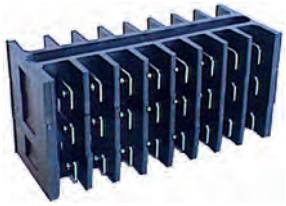
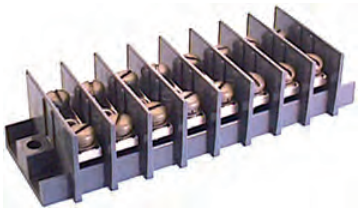
O.D. 13 mm.

191223 Cable Entries Std pkg 10 **Servicing:** HC-CARGO 191211, 191215, 191216

BLOCK

191212 Terminal Block Std pkg 1 **Servicing:** HC-CARGO 191211, 191215, 191216

Type: Dual
Mount.: Terminal
No./poles: 14

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
191213 Terminal Block Std pkg 1 **Servicing:** HC-CARGO 191211, 191215, 191216			
			**Type:** Dual **Mount.:** Terminal **No./poles:** 28
191214 Terminal Block Std pkg 1 **Servicing:** HC-CARGO 191211, 191215, 191216			
1 double 14-pole and 1 single 14-pole flat plug connection block.			
			**Type:** Dual **Mount.:** Terminal **No./poles:** 14
191218 Terminal Block Std pkg 1 **Servicing:** HC-CARGO 191215, 191216			
			Type: Dual **Mount.:** Terminal **No./poles:** 8
191219 Terminal Block Std pkg 1 **Servicing:** HC-CARGO 191215, 191216			
1 double 8-pole and 1 single 8-pole flat plug connection block.			
			**Type:** Dual **Mount.:** Terminal **No./poles:** 8
191756 Butt Splices Std pkg 1			
8x6 terminalblock. 25 A. Terminal width: 6.3 mm			
		Dist. mount. holes: 99 mm	**Terminal type:** Flat **Material:** Polycarbonate **Plugs in:** 8 **Plugs out:** 8
191771 Butt Splices Std pkg 1			
1x8 20 A.			
		**Dist. mount. holes:** 99 mm	**Terminal type:** Screw **Material:** Polycarbonate **Plugs in:** 8 **Plugs out:** 8
193011 Terminal Block Std pkg 1			
25 A. Terminal width: 6.3 mm.			
		Dist. mount. holes: 77.3 mm	**Terminal type:** Flat **Material:** Polycarbonate **Plugs in:** 6 **Plugs out:** 6

CABLE & WIRING

CABLE CLIPS

RUBBER-PROFILE

HC-CARGO	Std pkg	Width	ID	Mount. hole size	Type	Material
191666	Pkg. 10	12.7 mm	3.2 mm	6.8 mm	3	Rubber
191667	Pkg. 10	12.7 mm	4.8 mm	6.8 mm	5	Rubber
190899	Pkg. 10	12.7 mm	6.4 mm	6.8 mm	6	Rubber
190900	Pkg. 10	12.7 mm	7.9 mm	6.8 mm	8	Rubber
190901	Pkg. 10	12.7 mm	9.5 mm	6.8 mm	10	Rubber
190902	Pkg. 10	12.7 mm	11.1 mm	6.8 mm	11	Rubber
190903	Pkg. 10	12.7 mm	12.7 mm	6.8 mm	13	Rubber
190904	Pkg. 10	12.7 mm	14.3 mm	6.8 mm	14	Rubber
190905	Pkg. 10	12.7 mm	15.9 mm	6.8 mm	16	Rubber
190906	Pkg. 10	12.7 mm	17.5 mm	6.8 mm	18	Rubber
190907	Pkg. 10	12.7 mm	19 mm	6.8 mm	19	Rubber
191668	Pkg. 10	12.7 mm	20.6 mm	6.8 mm	21	Rubber
190908	Pkg. 10	12.7 mm	22.2 mm	6.8 mm	22	Rubber
191669	Pkg. 10	12.7 mm	24 mm	6.8 mm	24	Rubber
190909	Pkg. 10	12.7 mm	25.4 mm	6.8 mm	25	Rubber
191417	Pkg. 10	12.7 mm	28.6 mm	6.8 mm	29	Rubber
191992	Pkg. 10	12.7 mm	30.2 mm	6.8 mm	30	Rubber
191994	Pkg. 10	12.7 mm	33.3 mm	6.8 mm	33	Rubber
191553	Pkg. 10	12.7 mm	34.9 mm	6.8 mm	35	Rubber
191996	Pkg. 10	12.7 mm	38.1 mm	6.8 mm	38	Rubber
191997	Pkg. 10	12.7 mm	41 mm	6.8 mm	41	Rubber
191998	Pkg. 10	12.7 mm	44.5 mm	6.8 mm	45	Rubber
191814	Pkg. 10	12.7 mm	50.8 mm	6.8 mm	51	Rubber

SELF-ADHESIVE

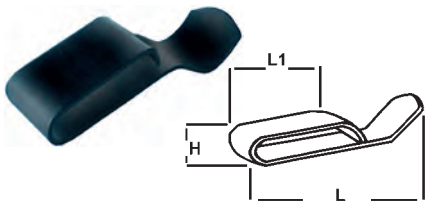
HC-CARGO	Std pkg	Cable dia.	
190961	Pkg. 100	6 mm	*Self-adhesive.*
190962	Pkg. 100	10 mm	*Self-adhesive.*

BLACK PLASTIC

HC-CARGO	Std pkg	Length	ID	Mount. hole dia.	Colour
191950	Pkg. 100	9.5 mm	3.2 mm	4.6 mm	Black
191951	Pkg. 100	10.5 mm	4.8 mm	4.6 mm	Black
191952	Pkg. 100	12 mm	6.4 mm	4.6 mm	Black
191953	Pkg. 100	12 mm	7.9 mm	4.6 mm	Black
191954	Pkg. 100	12.5 mm	9.5 mm	4.6 mm	Black
191955	Pkg. 100	15.2 mm	12.7 mm	4.6 mm	Black
191956	Pkg. 100	18.2 mm	15.8 mm	4.6 mm	Black
191957	Pkg. 100	18.2 mm	19.4 mm	4.6 mm	Black
191958	Pkg. 100	22 mm	25.4 mm	4.6 mm	Black
191959	Pkg. 100	26.2 mm	31.8 mm	4.6 mm	Black

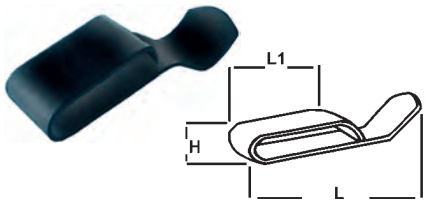
CHASSIS CLIPS

191228 Chassis Clips — Std pkg 100



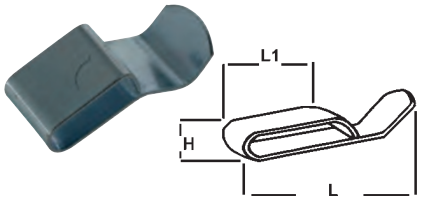
Length: 22 mm
Total length: 43 mm
Height: 7 mm

191229 Chassis Clips Std pkg 100



Length: 31 mm
Total length: 52 mm
Height: 7 mm

193046 Chassis Clips Std pkg 100



Length: 15.5 mm
Total length: 28 mm
Height: 6 mm

PIPE CLIPS

HC-CARGO	Std pkg	Cable dia.	Length	Width
193256	Pkg. 100	3 mm	12 mm	7 mm
193257	Pkg. 100	5 mm	16 mm	12 mm
193258	Pkg. 100	7 mm	16 mm	12 mm
193259	Pkg. 100	8 mm	16 mm	12 mm
193260	Pkg. 100	10 mm	16 mm	12 mm
193261	Pkg. 100	12 mm	16 mm	14 mm
193262	Pkg. 100	15 mm	16 mm	14 mm

CABLE TIES

BLACK

HC-CARGO	Std pkg	Length	Width	ID	Colour	Material
191128	Pkg. 100	92 mm	2.4 mm	16 mm	Black	Nylon 66
191003	Pkg. 100	102 mm	2.5 mm	25 mm	Black	Nylon 66
191939	Pkg. 100	140 mm	2.5 mm	44 mm	Black	Nylon 66
190188	Pkg. 100	150 mm	3.6 mm	39 mm	Black	Nylon 66
190248	Pkg. 100	190 mm	4.8 mm	52 mm	Black	Nylon 66
191094	Pkg. 100	200 mm	2.5 mm	55 mm	Black	Nylon 66
192112	Pkg. 100	240 mm	7.6 mm	66 mm	Black	Nylon 66
192110	Pkg. 100	292 mm	3.6 mm	85 mm	Black	Nylon 66
190011	Pkg. 100	310 mm	4.8 mm	89 mm	Black	Nylon 66
190190	Pkg. 100	368 mm	4.8 mm	102 mm	Black	Nylon 66
190189	Pkg. 100	380 mm	7.6 mm	110 mm	Black	Nylon 66
192068	Pkg. 100	450 mm	4.8 mm	130 mm	Black	Nylon 66
191776	Pkg. 100	550 mm	8 mm	166 mm	Black	Nylon 66
192041	Pkg. 100	730 mm	12.7 mm	225 mm	Black	Nylon 66
190191	Pkg. 100	762 mm	9 mm	236 mm	Black	Nylon 66
192111	Pkg. 100	812 mm	9 mm	246 mm	Black	Nylon 66

MOUNTING

HC-CARGO	Std pkg	Length	Width	ID	Mount. hole dia.
192013	Pkg. 100	205 mm	4.2 mm	60 mm	4.8 mm
192014	Pkg. 100	370 mm	4.8 mm	102 mm	4.8 mm
192015	Pkg. 100	400 mm	7.9 mm	122 mm	4.8 mm

COLOURED

HC-CARGO	Std pkg	Length	Width	ID	Colour
192494	Pkg. 100	190 mm	4.8 mm	52 mm	Red
192495	Pkg. 100	190 mm	4.8 mm	52 mm	Blue
192496	Pkg. 100	190 mm	4.8 mm	52 mm	Green
192497	Pkg. 100	190 mm	4.8 mm	52 mm	Yellow
192498	Pkg. 100	190 mm	4.8 mm	52 mm	White

W/ LOCK

191943 Cable Tie — Std pkg 100

Releasable w/ lock.

ID: 80 mm
Length: 300 mm
Width: 8 mm

Colour: Black

TIE MOUNT

190014 Tie Mount — Std pkg 100

Dim.: 27x27 mm
Mount. hole dia.: 5 mm
Max width: 5 mm

Colour: Black
Material: Nylon 66
Self adhesive: Yes
Alternativ no.: 192997

191941 Tie Mount — Std pkg 100

Dim.: 12.9x17.8x6.6 mm
Mount. hole dia.: 6.2 mm
Max width: 8 mm

Colour: White
Material: Nylon 66
Self adhesive: No

191960 Tie Mount — Std pkg 100

Dim.: 21x21 mm
Mount. hole dia.: 5 mm
Max width: 3.2 mm

Colour: Black
Material: Nylon 66
Self adhesive: Yes

192489 Tie Mount — Std pkg 100

Dim.: 27x27 mm
Cable dia.: 8 mm

Colour: White
Material: Nylon 66
Self adhesive: Yes

192983 Tie Mount — Std pkg 100

Dim.: 38x38 mm
Mount. hole dia.: 5 mm
Max width: 10 mm

Colour: Black
Material: Nylon 66
Self adhesive: Yes

192985 Tie Mount — Std pkg 100

w/ 5 mm hole for screw mount.

Dim.: 23x16x10 mm
Mount. hole dia.: 5 mm
Max width: 12 mm

Colour: Black
Material: Nylon
Self adhesive: No

192997 Tie Mount — Std pkg 100

Dim.: 26.1x26.1 mm
Mount. hole dia.: 4.3 mm
Max width: 8 mm

Colour: Black
Material: Nylon
Self adhesive: Yes

CONNECTORS

HC-CARGO	Std pkg	Size 1	Size 2	Size 3	Temp.	Colour	Material	Type
193129	Pkg. 5	10 mm	10 mm	10 mm	-40 - +135 °C	Black	Polyamid	T
193163	Pkg. 5	10 mm	10 mm	10 mm	-40 - +135 °C	Black	Polyamid	Y
193130	Pkg. 5	13 mm	7.5 mm	13 mm	-40 - +135 °C	Black	Polyamid	T
193131	Pkg. 5	13 mm	10 mm	13 mm	-40 - +135 °C	Black	Polyamid	T
193151	Pkg. 5	13 mm	13 mm	13 mm	-40 - +135 °C	Black	Polyamid	T
193135	Pkg. 5	17 mm	10 mm	17 mm	-40 - +135 °C	Black	Polyamid	T
193212	Pkg. 5	17 mm	17 mm	17 mm	-40 - +135 °C	Black	Polyamid	T

FLEXIBLE CONVOLUTED TUBING

HC-CARGO	Std pkg	ID	OD	Length	ISO Norm		Colour	Material
193121	Pkg. 50	6.6 mm	10 mm	50 m	9772	9773	Black	Nylon 66
193122	Pkg. 50	9.8 mm	13 mm	50 m	9772	9773	Black	Nylon 66
193123	Pkg. 50	12.2 mm	15.8 mm	50 m	9772	9773	Black	Nylon 66
193124	Pkg. 100	17.2 mm	20 mm	100 m			Black	Polypropylene
193125	Pkg. 100	21.2 mm	25.8 mm	100 m			Black	Polypropylene
193126	Pkg. 50	25 mm	30 mm	50 m			Black	Polypropylene
193127	Pkg. 50	28 mm	34 mm	50 m			Black	Polypropylene

FLEXIBLE CONVOLUTED SPLIT TUBING

HC-CARGO	Std pkg	HC-CARGO	Std pkg	ID	OD	Colour	Material
191944	Pkg. 25	**B191944**	Pkg. 300	7.4 mm	10.2 mm	Black	Polypropylene
191945	Pkg. 25	**B191945**	Pkg. 200	10.7 mm	16 mm	Black	Polypropylene
191946	Pkg. 25	**B191946**	Pkg. 200	13.8 mm	17.5 mm	Black	Polypropylene
191947	Pkg. 10	**B191947**	Pkg. 100	15 mm	19.5 mm	Black	Polypropylene
191948	Pkg. 10	**B191948**	Pkg. 100	19.3 mm	23.8 mm	Black	Polypropylene
191949	Pkg. 10	**B191949**	Pkg. 100	22 mm	27 mm	Black	Polypropylene
192009	Pkg. 10	**B192009**	Pkg. 50	25 mm	30 mm	Black	Polypropylene
192010	Pkg. 10	**B192010**	Pkg. 50	28 mm	34 mm	Black	Polypropylene

GLANDS

192355 Cable Gland — Std pkg 50

Cable dia.: 3.5 mm
ID: 6.9 mm
Mount. hole dia.: 12.1 mm
Length: 41.2 mm
Max width: 6 mm

Colour: Grey
Protection degree: IP 68

192356 Cable Gland — Std pkg 50

Cable dia.: 4 mm
ID: 8 mm
Mount. hole dia.: 14.3 mm
Length: 45 mm
Max width: 8 mm

Colour: Grey
Protection degree: IP 68

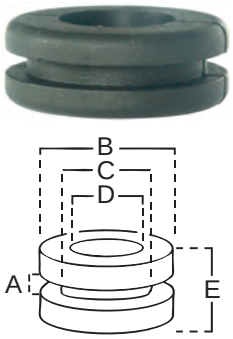
192357 Cable Gland — Std pkg 50

Cable dia.: 5 mm
ID: 10.5 mm
Mount. hole dia.: 18.23 mm
Length: 49.9 mm
Max width: 10 mm

Colour: Grey
Protection degree: IP 68

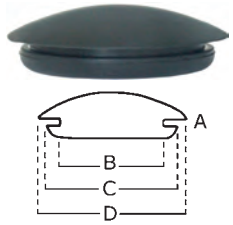
	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
192358 Cable Gland Std pkg 50			
		Cable dia.: 6 mm **ID:** 12 mm **Mount. hole dia.:** 19.9 mm **Length:** 52.4 mm **Max width:** 12 mm	**Colour:** Grey **Protection degree:** IP 68
192359 Cable Gland Std pkg 50			
		Cable dia.: 10 mm **ID:** 14 mm **Mount. hole dia.:** 22.1 mm **Length:** 55.5 mm **Max width:** 14 mm	**Colour:** Grey **Protection degree:** IP 68
192360 Cable Gland Std pkg 50			
		Cable dia.: 13 mm **ID:** 18.4 mm **Mount. hole dia.:** 27.5 mm **Length:** 64.5 mm **Max width:** 18 mm	**Colour:** Grey **Protection degree:** IP 68
192479 Cable Gland Std pkg 50			
		Cable dia.: 3 mm **ID:** 6.9 mm **Mount. hole dia.:** 12 mm **Length:** 41.7 mm **Max width:** 6.5 mm	**Colour:** Grey **Protection degree:** IP 68
192480 Cable Gland Std pkg 50			
		Cable dia.: 5 mm **ID:** 10.5 mm **Mount. hole dia.:** 16 mm **Length:** 55.8 mm **Max width:** 10 mm	**Colour:** Grey **Protection degree:** IP 68
192481 Cable Gland Std pkg 50			
		Cable dia.: 10 mm **ID:** 14 mm **Mount. hole dia.:** 20 mm **Length:** 62 mm **Max width:** 14 mm	**Colour:** Grey **Protection degree:** IP 68
192482 Cable Gland Std pkg 50			
		Cable dia.: 13 mm **ID:** 18.4 mm **Mount. hole dia.:** 25 mm **Length:** 66.9 mm **Max width:** 18 mm	**Colour:** Grey **Protection degree:** IP 68
192483 Cable Gland Std pkg 25			
		Cable dia.: 18 mm **ID:** 25 mm **Mount. hole dia.:** 32 mm **Length:** 74.9 mm **Max width:** 25 mm	**Colour:** Grey **Protection degree:** IP 68

GROMMET



HC-CARGO	Std pkg	A	B	C	D	E	Colour	Material
190964	Pkg. 100	1.6 mm	11.1 mm	7.9 mm	5.6 mm	6.4 mm	Black	PVC
190120	Pkg. 100	1.6 mm	14.2 mm	9.5 mm	6.4 mm	5 mm	Black	PVC
190965	Pkg. 100	1.6 mm	14.2 mm	9.5 mm	8 mm	4.8 mm	Black	PVC
190966	Pkg. 100	1.6 mm	14.2 mm	11 mm	8 mm	4.8 mm	Black	PVC
190967	Pkg. 100	1.6 mm	16 mm	11 mm	8 mm	6.4 mm	Black	PVC
192138	Pkg. 100	3 mm	16 mm	12.5 mm	8 mm	8 mm	Black	PVC
190122	Pkg. 100	1.6 mm	17 mm	12.5 mm	9.5 mm	7 mm	Black	PVC
190968	Pkg. 100	1.6 mm	19 mm	14.2 mm	11 mm	6.4 mm	Black	PVC
190969	Pkg. 100	1.6 mm	22 mm	17.5 mm	12.5 mm	6.4 mm	Black	PVC
190970	Pkg. 100	1.6 mm	25.5 mm	19 mm	12.5 mm	6.4 mm	Black	PVC
192139	Pkg. 100	3 mm	30 mm	24 mm	16 mm	11 mm	Black	PVC

END PLUG



HC-CARGO	Std pkg	A	B	C	D	Colour	Material
190114	Pkg. 100	1.6 mm	12.5 mm	15.5 mm	18.7 mm	Black	PVC
190115	Pkg. 100	1.6 mm	15.5 mm	19 mm	22 mm	Black	PVC
190116	Pkg. 100	1.6 mm	19 mm	22.1 mm	25.5 mm	Black	PVC
190958	Pkg. 100	1.6 mm	22.5 mm	27 mm	28.5 mm	Black	PVC
190959	Pkg. 100	1.6 mm	25.4 mm	28.3 mm	32 mm	Black	PVC
190110	Pkg. 100	1.6 mm	6.4 mm	9.5 mm	9.5 mm	Black	PVC
190111	Pkg. 100	1.6 mm	8 mm	10.6 mm	14.2 mm	Black	PVC
190112	Pkg. 100	1.6 mm	9.5 mm	12.8 mm	15.4 mm	Black	PVC

POLYURETHAN WIRE SLEEVING

HC-CARGO	Std pkg	Voltage	ID	Length	Temp. resistant	Thermal class.	Colour
191380	Pkg. 1	4000	1 mm	1 m	+155 C°	F	Nature
191383	Pkg. 1	4000	2.5 mm	1 m	+155 C°	F	Nature
B191383	Pkg. 100	4000	2.5 mm	200 m	+155 C°	F	Nature
191384	Pkg. 1	4000	3 mm	1 m	+155 C°	F	Nature
B191384	Pkg. 100	4000	3 mm	100 m	+155 C°	F	Nature
B191385	Pkg. 100	4000	4 mm	100 m	+155 C°	F	Nature
191387	Pkg. 1	4000	6 mm	1 m	+155 C°	F	Nature
B191387	Pkg. 100	4000	6 mm	100 m	+155 C°	F	Nature
191494	Pkg. 1	4000	8 mm	1 m	+155 C°	F	Nature

PVC SLEEVINGS

HC-CARGO	Std pkg	Cable dim.	Colour	Material
190175	Pkg. 100	4 mm	Black	PVC
191388	Pkg. 100	5 mm	Black	PVC
190176	Pkg. 100	6 mm	Black	PVC
190177	Pkg. 100	8 mm	Black	PVC
190178	Pkg. 50	10 mm	Black	PVC
190179	Pkg. 50	12 mm	Black	PVC

SPIRAL BINDINGS

HC-CARGO	Std pkg	Recommanded loom	Length	Temp	Colour
191881	Pkg. 50	2 mm - 10 mm	50 m	-50 - +85 °C	Black
191882	Pkg. 25	5 mm - 40 mm	25 m	-50 - +85 °C	Black
191883	Pkg. 25	10 mm - 50 mm	25 m	-50 - +85 °C	Black

HEAT SHRINK TUBING

BLACK

HC-CARGO	Std pkg	Crimp ratio	Crimp temp.	Before crimp	After crimp	Length	Dim.	Packaging	Colour
193169	Pkg. 1	2:1	90 C°	1.6 mm	0.8 mm	10 m	16x16x5 cm	Minibox	Black
193170	Pkg. 1	2:1	90 C°	2.4 mm	1.2 mm	10 m	16x16x5 cm	Minibox	Black
193171	Pkg. 1	2:1	90 C°	3.2 mm	1.6 mm	10 m	16x16x5 cm	Minibox	Black
193172	Pkg. 1	2:1	90 C°	4.8 mm	2.4 mm	8 m	16x16x5 cm	Minibox	Black
193173	Pkg. 1	2:1	90 C°	6.4 mm	3.2 mm	6 m	16x16x5 cm	Minibox	Black
193174	Pkg. 1	2:1	90 C°	9.5 mm	4.7 mm	5 m	16x16x5 cm	Minibox	Black

	HC-CARGO	Std pkg	Crimp ratio	Crimp temp.	Before crimp	After crimp	Length	Dim.	Packaging	Colour
	193175	Pkg. 1	2:1	90 C°	12.7 mm	6.4 mm	5 m	16x16x5 cm	Minibox	Black
	193176	Pkg. 1	2:1	90 C°	19.1 mm	9.5 mm	4 m	16x16x5 cm	Minibox	Black
	193177	Pkg. 1	2:1	90 C°	25.4 mm	12.7 mm	3 m	16x16x5 cm	Minibox	Black
	193178	Pkg. 1	2:1	90 C°	31.8 mm	15.9 mm	1 m		Plastic bag	Black
	193179	Pkg. 1	2:1	90 C°	38.1 mm	19.1 mm	1 m		Plastic bag	Black
	193180	Pkg. 1	2:1	90 C°	50.8 mm	25.4 mm	1 m		Plastic bag	Black

RED

	HC-CARGO	Std pkg	Crimp ratio	Crimp temp.	Before crimp	After crimp	Length	Dim.	Packaging	Colour
	193181	Pkg. 1	2:1	90 C°	3.2 mm	1.6 mm	10 m	16x16x5 cm	Minibox	Red
	193182	Pkg. 1	2:1	90 C°	4.8 mm	2.4 mm	8 m	16x16x5 cm	Minibox	Red
	193183	Pkg. 1	2:1	90 C°	6.4 mm	3.2 mm	6 m	16x16x5 cm	Minibox	Red
	193184	Pkg. 1	2:1	90 C°	9.5 mm	4.7 mm	5 m	16x16x5 cm	Minibox	Red
	193185	Pkg. 1	2:1	90 C°	12.7 mm	6.4 mm	5 m	16x16x5 cm	Minibox	Red
	193186	Pkg. 1	2:1	90 C°	19.1 mm	9.5 mm	4 m	16x16x5 cm	Minibox	Red
	193187	Pkg. 1	2:1	90 C°	25.4 mm	12.7 mm	3 m	16x16x5 cm	Minibox	Red
	193188	Pkg. 1	2:1	90 C°	31.8 mm	15.9 mm	1 m		Plastic bag	Red
	193189	Pkg. 1	2:1	90 C°	38.1 mm	19.1 mm	1 m		Plastic bag	Red
	193190	Pkg. 1	2:1	90 C°	50.8 mm	25.4 mm	1 m		Plastic bag	Red

BLACK - BLISTER PACK

	HC-CARGO	Std pkg	Crimp ratio	Crimp temp.	Before crimp	After crimp	Length	Packaging	Colour
	193003	Pkg. 1	2:1	110 C°	2.4 mm	1.2 mm	2 m	Blister pack	Black
	193004	Pkg. 1	2:1	110 C°	3.2 mm	1.6 mm	2 m	Blister pack	Black
	193005	Pkg. 1	2:1	110 C°	4.8 mm	2.4 mm	2 m	Blister pack	Black
	193006	Pkg. 1	2:1	110 C°	6.4 mm	3.2 mm	2 m	Blister pack	Black
	193007	Pkg. 1	2:1	110 C°	9.5 mm	4.8 mm	2 m	Blister pack	Black
	193008	Pkg. 1	2:1	110 C°	12.7 mm	6.4 mm	2 m	Blister pack	Black
	193009	Pkg. 1	2:1	110 C°	19 mm	9.5 mm	2 m	Blister pack	Black

BLACK W/ GLUE

	HC-CARGO	Std pkg	Crimp ratio	Crimp temp.	Before crimp	After crimp	Length	Dim.	Packaging	Colour
	193197	Pkg. 1	3:1	100 C°	3 mm	1 mm	5 m	16x16x5 cm	Minibox	Black
	193191	Pkg. 5	3:1	100 C°	3 mm	1 mm	5x0.2 m		Plastic bag	Black
	193198	Pkg. 1	3:1	100 C°	6 mm	2 mm	3.5 m	16x16x5 cm	Minibox	Black
	193192	Pkg. 5	3:1	100 C°	6 mm	2 mm	5x0.2 m		Plastic bag	Black
	193199	Pkg. 1	3:1	100 C°	9 mm	3 mm	3 m	16x16x5 cm	Minibox	Black
	193193	Pkg. 5	3:1	100 C°	9 mm	3 mm	5x0.2 m		Plastic bag	Black
	193200	Pkg. 1	3:1	100 C°	12 mm	4 mm	2.5 m	16x16x5 cm	Minibox	Black
	193194	Pkg. 5	3:1	100 C°	12 mm	4 mm	5x0.2 m		Plastic bag	Black
	193201	Pkg. 1	3:1	100 C°	18 mm	6 mm	2 m	16x16x5 cm	Minibox	Black
	193195	Pkg. 5	3:1	100 C°	18 mm	6 mm	5x0.2 m		Plastic bag	Black
	193202	Pkg. 1	3:1	100 C°	24 mm	8 mm	1.5 m	16x16x5 cm	Minibox	Black
	193196	Pkg. 5	3:1	100 C°	24 mm	8 mm	5x0.2 m		Plastic bag	Black
	193203	Pkg. 1	3:1	100 C°	39 mm	13 mm	1 m		Plastic bag	Black
	193204	Pkg. 1	4:1	100 C°	52 mm	13 mm	1 m		Plastic bag	Black

RED W/ GLUE

	HC-CARGO	Std pkg	Crimp ratio	Crimp temp.	Before crimp	After crimp	Length	Dim.	Packaging	Colour
	193205	Pkg. 1	3:1	100 C°	3 mm	1 mm	5 m	16x16x5 cm	Minibox	Red
	193206	Pkg. 1	3:1	100 C°	6 mm	2 mm	3.5 m	16x16x5 cm	Minibox	Red
	193207	Pkg. 1	3:1	100 C°	9 mm	3 mm	3 m	16x16x5 cm	Minibox	Red
	193208	Pkg. 1	3:1	100 C°	12 mm	4 mm	2.5 m	16x16x5 cm	Minibox	Red
	193209	Pkg. 1	3:1	100 C°	18 mm	6 mm	2 m	16x16x5 cm	Minibox	Red
	193210	Pkg. 1	3:1	100 C°	24 mm	8 mm	1.5 m	16x16x5 cm	Minibox	Red
	193211	Pkg. 1	3:1	100 C°	39 mm	13 mm	1.22 m		Plastic bag	Red

TOOLS

CABLE CUTTER

211096 Cable Cutter — Std pkg 1

Cutting size O.D. 50 mm².

CABLE STRIPPER

210828 Cable Stripper — Std pkg 1

Self-adjusting.

Cable dia.: 0.5-8 mm
Max width: 5 mm

CABLE TIE GUNS

210827 Cable Tie Gun — Std pkg 1

Professional, adjustable, fasten and cut ties automatically.

Cable dia.: 2.5-5 mm
Max width: 4.8 mm

210849 Cable Tie Gun — Std pkg 1

Professional, adjustable, fasten and cut ties automatically.

Cable dia.: 2.5-10 mm
Max width: 10 mm

CABLES

SINGLE CORE

0.5 MM²

HC-CARGO	Voltage	Amp	Conductor dim.	OD	Temp. area	Insulator	Colour	Material	Min supply
191930	300/500	5	16/0.195 mm	2.5 mm	70 °C	Unleaded PVC	Brown	PVC	100 m
191936	300/500	5	16/0.195 mm	2.5 mm	70 °C	Unleaded PVC	Grey	PVC	100 m

0.75 MM²

HC-CARGO	Voltage	Amp	Conductor dim.	OD	Temp. area	Insulator	Colour	Material	Min supply
190674	50	10	24/0.195 mm	2.1 mm	70 °C	Unleaded PVC	Black	PVC	100 m
191395	50	10	24/0.195 mm	2.1 mm	70 °C	Unleaded PVC	Blue	PVC	100 m
191396	50	10	24/0.195 mm	2.1 mm	70 °C	Unleaded PVC	Brown	PVC	100 m
191397	50	10	24/0.195 mm	2.1 mm	70 °C	Unleaded PVC	Green	PVC	100 m
191398	50	10	24/0.195 mm	2.1 mm	70 °C	Unleaded PVC	Yellow	PVC	100 m
191399	50	10	24/0.195 mm	2.1 mm	70 °C	Unleaded PVC	White	PVC	100 m
191400	50	10	24/0.195 mm	2.1 mm	70 °C	Unleaded PVC	Red	PVC	100 m
191401	50	10	24/0.195 mm	2.1 mm	70 °C	Unleaded PVC	Grey	PVC	100 m

HC-CARGO	Voltage	Amp	Conductor dim.	OD	Temp. area	Insulator	Colour	Material	Min supply
192275	100	6	24/0.19 mm	2 mm	-40 - +100 °C	ISO 6722, Class B	Red/black	PVC	100 m
192276	100	6	24/0.19 mm	2 mm	-40 - +100 °C	ISO 6722, Class B	Red/Blue	PVC	100 m
192277	100	6	24/0.19 mm	2 mm	-40 - +100 °C	ISO 6722, Class B	Red/yellow	PVC	100 m
192278	100	6	24/0.19 mm	2 mm	-40 - +100 °C	ISO 6722, Class B	Yellow/green	PVC	100 m
192279	100	6	24/0.19 mm	2 mm	-40 - +100 °C	ISO 6722, Class B	Grey/red	PVC	100 m
192280	100	6	24/0.19 mm	2 mm	-40 - +100 °C	ISO 6722, Class B	Black/white	PVC	100 m
192282	100	6	24/0.19 mm	2 mm	-40 - +100 °C	ISO 6722, Class B	Blue/green	PVC	100 m
192283	100	6	24/0.19 mm	2 mm	-40 - +100 °C	ISO 6722, Class B	Black/yellow	PVC	100 m
192284	100	6	24/0.19 mm	2 mm	-40 - +100 °C	ISO 6722, Class B	White/blue	PVC	100 m
192286	100	6	24/0.19 mm	2 mm	-40 - +100 °C	ISO 6722, Class B	White/green	PVC	100 m
192287	100	6	24/0.19 mm	2 mm	-40 - +100 °C	ISO 6722, Class B	White/yellow	PVC	100 m
192288	100	6	24/0.19 mm	2 mm	-40 - +100 °C	ISO 6722, Class B	White/red	PVC	100 m
191402	300/500	6	24/0.195 mm	2.7 mm	70 °C	Unleaded PVC	Purple	PVC	100 m
191403	300/500	10	24/0.195 mm	2.7 mm	70 °C	Unleaded PVC	Orange	PVC	100 m
193253	300/500	10	24/0.195 mm	2.7 mm	70 °C	Unleaded PVC	Brown	PVC	100 m

1 MM²

HC-CARGO	Voltage	Amp	Conductor dim.	OD	Temp. area	Insulator	Colour	Material	Min supply
190987	50	10	32/0.195 mm	2.8 mm	70 °C	Unleaded PVC	Yellow	PVC	100 m
190988	50	10	32/0.195 mm	2.8 mm	70 °C	Unleaded PVC	Green	PVC	100 m
191090	50	10	32/0.195 mm	2.8 mm	70 °C	Unleaded PVC	Grey	PVC	100 m
191404	50	10	32/0.195 mm	2.8 mm	70 °C	Unleaded PVC	Purple	PVC	100 m

1 MM², H05V-K

HC-CARGO	Voltage	Amp	Conductor dim.	OD	Temp. area	Insulator	Colour	Material	Min supply
190986	50	14	32/0.195 mm	2.8 mm	70 °C	Unleaded PVC	Black	PVC	100 m
190989	50	14	32/0.195 mm	2.8 mm	70 °C	Unleaded PVC	Blue	PVC	100 m
190990	50	14	32/0.195 mm	2.8 mm	70 °C	Unleaded PVC	Red	PVC	100 m
190991	50	14	32/0.195 mm	2.8 mm	70 °C	Unleaded PVC	White	PVC	100 m
190992	50	14	32/0.195 mm	2.8 mm	70 °C	Unleaded PVC	Brown	PVC	100 m

1.5 MM²

HC-CARGO	Voltage	Amp	Conductor dim.	OD	Temp. area	Insulator	Colour	Material	Min supply
192289	50	16	30/0.250 mm	2.22 mm	70 °C	Unleaded PVC	Orange	PVC	100 m
190696	50	18	30/0.250 mm	3 mm	70 °C	Unleaded PVC	White	PVC	100 m
190697	50	18	30/0.250 mm	3 mm	70 °C	Unleaded PVC	Black	PVC	100 m
190698	50	18	30/0.250 mm	3 mm	70 °C	Unleaded PVC	Red	PVC	100 m
190699	50	18	30/0.250 mm	3 mm	70 °C	Unleaded PVC	Blue	PVC	100 m
190700	50	18	30/0.250 mm	3 mm	70 °C	Unleaded PVC	Yellow	PVC	100 m
190701	50	18	30/0.250 mm	3 mm	70 °C	Unleaded PVC	Grey	PVC	100 m
190702	50	18	30/0.250 mm	3 mm	70 °C	Unleaded PVC	Green	PVC	100 m
190847	50	18	30/0.250 mm	3 mm	70 °C	Unleaded PVC	Brown	PVC	100 m
191176	100	16	27-30/0.25 mm	2.7 mm	-40 - +100 °C	ISO 6722, Class B	White/red	PVC R2G4	100 m
191177	100	16	27-30/0.25 mm	2.7 mm	-40 - +100 °C	ISO 6722, Class B	Yellow/blue	PVC R2G4	100 m
191178	100	16	27-30/0.25 mm	2.7 mm	-40 - +100 °C	ISO 6722, Class B	Brown/blue	PVC R2G4	100 m
192259	100	16	27-30/0.25 mm	2.7 mm	-40 - +100 °C	ISO 6722, Class B	Yellow/black	PVC R2G4	100 m
192260	100	16	27-30/0.25 mm	2.7 mm	-40 - +100 °C	ISO 6722, Class B	Red/Blue	PVC R2G4	100 m
192261	100	16	27-30/0.25 mm	2.7 mm	-40 - +100 °C	ISO 6722, Class B	Green/red	PVC R2G4	100 m
192262	100	16	27-30/0.25 mm	2.7 mm	-40 - +100 °C	ISO 6722, Class B	Grey/red	PVC R2G4	100 m
192263	100	16	27-30/0.25 mm	2.7 mm	-40 - +100 °C	ISO 6722, Class B	White/blue	PVC R2G4	100 m
192264	100	16	27-30/0.25 mm	2.7 mm	-40 - +100 °C	ISO 6722, Class B	Green/yellow	PVC R2G4	100 m
192265	100	16	27-30/0.25 mm	2.7 mm	-40 - +100 °C	ISO 6722, Class B	Brown/black	PVC R2G4	100 m
192267	100	16	27-30/0.25 mm	2.7 mm	-40 - +100 °C	ISO 6722, Class B	Black/red	PVC R2G4	100 m
192269	100	16	27-30/0.25 mm	2.7 mm	-40 - +100 °C	ISO 6722, Class B	Black/green	PVC R2G4	100 m
192270	100	16	27-30/0.25 mm	2.7 mm	-40 - +100 °C	ISO 6722, Class B	Black/blue	PVC R2G4	100 m
192271	100	16	27-30/0.25 mm	2.7 mm	-40 - +100 °C	ISO 6722, Class B	Black/orange	PVC R2G4	100 m
192272	100	16	27-30/0.25 mm	2.7 mm	-40 - +100 °C	ISO 6722, Class B	White/black	PVC R2G4	100 m
192273	100	16	27-30/0.25 mm	2.7 mm	-40 - +100 °C	ISO 6722, Class B	White/orange	PVC R2G4	100 m
192274	100	16	27-30/0.25 mm	2.7 mm	-40 - +100 °C	ISO 6722, Class B	White/green	PVC R2G4	100 m
193255	450/750	16	30/0.250 mm	3 mm	70 °C	Unleaded PVC	Black	PVC	100 m

2.5 MM²

HC-CARGO	Voltage	Amp	Conductor dim.	OD	Temp. area	Insulator	Colour	Material	Min supply
190703	50	24	50/0.250 mm	3.5 mm	70 °C	Unleaded PVC	Black	PVC	50 m
190704	50	24	50/0.250 mm	3.5 mm	-5 - +70 °C	Unleaded PVC	Red	PVC	50 m
190705	50	24	50/0.250 mm	3.5 mm	70 °C	Unleaded PVC	Blue	PVC	50 m
190706	50	24	50/0.250 mm	3.5 mm	70 °C	Unleaded PVC	Yellow	PVC	50 m
190910	50	24	50/0.250 mm	3.5 mm	70 °C	Unleaded PVC	Brown	PVC	50 m
190972	50	24	50/0.250 mm	3.5 mm	-5 - +70 °C	Unleaded PVC	White	PVC	50 m
190707	450/750	25	50/0.250 mm	3.7 mm	70 °C	Unleaded PVC	Grey	PVC	100 m
190708	450/750	25	50/0.250 mm	3.7 mm	70 °C	Unleaded PVC	Green	PVC	100 m
193251	450/750	25	50/0.250 mm	3.7 mm	70 °C	Unleaded PVC	Black	PVC	100 m
193252	450/750	25	50/0.250 mm	3.7 mm	70 °C	Unleaded PVC	Red	PVC	100 m

4 MM²

HC-CARGO	Voltage	Amp	Conductor dim.	OD	Temp. area	Insulator	Colour	Material	Min supply
190677	50	32	48/0.310 mm	4.1 mm	70 °C	Unleaded PVC	Black	PVC	50 m
190951	50	32	48/0.310 mm	4.1 mm	70 °C	Unleaded PVC	Red	PVC	50 m
193254	450/750	28	48/0.310 mm	4.3 mm	70 °C	Unleaded PVC	Black	PVC	50 m

6 MM²

HC-CARGO	Voltage	Amp	Conductor dim.	OD	Temp. area	Insulator	Colour	Material	Min supply
190678	50	41	72/0.310 mm	4.6 mm	70 °C	Unleaded PVC	Black	PVC	50 m
191027	50	41	72/0.310 mm	4.6 mm	70 °C	Unleaded PVC	Red	PVC	50 m
191175	450/750	36	72/0.380 mm	4.8 mm	70 °C	Unleaded PVC	Brown	PVC	100 m

THIN WALL

FLRY-B 0.35 MM²

HC-CARGO	Voltage	Amp	Conductor dim.	OD	Temp. area	Insulator	Colour	Material	Min supply
193012	60	7	11-12/0.19 mm	1.6 mm	-40 - +100 °C	ISO 6722, Class B	Black	PVC	100 m
193013	60	7	11-12/0.19 mm	1.6 mm	-40 - +100 °C	ISO 6722, Class B	Red	PVC	100 m

FLRY-B 0.5 MM²

HC-CARGO	Voltage	Amp	Conductor dim.	OD	Temp. area	Insulator	Colour	Material	Min supply
193014	60	11	15-16/0.19 mm	1.6 mm	-40 - +100 °C	ISO 6722, Class B	Black	PVC	100 m
193015	60	11	15-16/0.19 mm	1.6 mm	-40 - +100 °C	ISO 6722, Class B	Red	PVC	100 m
193047	60	11	16/0.21 mm	1.6 mm	-40 - +100 °C	Unleaded PVC	Brown	PVC	100 m
193048	60	11	16/0.21 mm	1.6 mm	-40 - +100 °C	Unleaded PVC	Green	PVC	100 m
193049	60	11	16/0.21 mm	1.6 mm	-40 - +100 °C	Unleaded PVC	White	PVC	100 m
193050	60	11	16/0.21 mm	1.6 mm	-40 - +100 °C	Unleaded PVC	Grey	PVC	100 m
193051	60	11	16/0.21 mm	1.6 mm	-40 - +100 °C	Unleaded PVC	Blue	PVC	100 m
193052	60	11	16/0.21 mm	1.6 mm	-40 - +100 °C	Unleaded PVC	Yellow	PVC	100 m

FLRY-B 0.75 MM²

HC-CARGO	Voltage	Amp	Conductor dim.	OD	Temp. area	Insulator	Colour	Material	Min supply
193053	60	14	24/0.21 mm	1.9 mm	-40 - +100 °C	Unleaded PVC	Blue	PVC	100 m
193054	60	14	24/0.21 mm	1.9 mm	-40 - +100 °C	Unleaded PVC	Brown	PVC	100 m
193055	60	14	24/0.21 mm	1.9 mm	-40 - +100 °C	Unleaded PVC	Green	PVC	100 m
193056	60	14	24/0.21 mm	1.9 mm	-40 - +100 °C	Unleaded PVC	Yellow	PVC	100 m
193057	60	14	24/0.21 mm	1.9 mm	-40 - +100 °C	Unleaded PVC	White	PVC	100 m
193058	60	14	24/0.21 mm	1.9 mm	-40 - +100 °C	Unleaded PVC	Red	PVC	100 m
193059	60	14	24/0.21 mm	1.9 mm	-40 - +100 °C	Unleaded PVC	Black	PVC	100 m
193060	60	14	24/0.21 mm	1.9 mm	-40 - +100 °C	Unleaded PVC	Grey	PVC	100 m

FLRY-B 1 MM²

HC-CARGO	Voltage	Amp	Conductor dim.	OD	Temp. area	Insulator	Colour	Material	Min supply
193061	60	16.5	32/0.210 mm	2.1 mm	-40 - +100 °C	Unleaded PVC	Blue	PVC	100 m
193062	60	16.5	32/0.210 mm	2.1 mm	-40 - +100 °C	Unleaded PVC	Brown	PVC	100 m
193063	60	16.5	32/0.210 mm	2.1 mm	-40 - +100 °C	Unleaded PVC	Green	PVC	100 m
193064	60	16.5	32/0.210 mm	2.1 mm	-40 - +100 °C	Unleaded PVC	Yellow	PVC	100 m
193065	60	16.5	32/0.210 mm	2.1 mm	-40 - +100 °C	Unleaded PVC	White	PVC	100 m
193066	60	16.5	32/0.210 mm	2.1 mm	-40 - +100 °C	Unleaded PVC	Red	PVC	100 m
193067	60	16.5	32/0.210 mm	2.1 mm	-40 - +100 °C	Unleaded PVC	Black	PVC	100 m
193068	60	16.5	32/0.210 mm	2.1 mm	-40 - +100 °C	Unleaded PVC	Grey	PVC	100 m

FLRY-B 1.5 MM²

HC-CARGO	Voltage	Amp	Conductor dim.	OD	Temp. area	Insulator	Colour	Material	Min supply
193069	60	21	30/0.26 mm	2.4 mm	-40 - +100 °C	Unleaded PVC	Blue	PVC	50 m
193070	60	21	30/0.26 mm	2.4 mm	-40 - +100 °C	Unleaded PVC	Brown	PVC	50 m
193071	60	21	30/0.26 mm	2.4 mm	-40 - +100 °C	Unleaded PVC	Green	PVC	50 m
193072	60	21	30/0.26 mm	2.4 mm	-40 - +100 °C	Unleaded PVC	Yellow	PVC	50 m
193073	60	21	30/0.26 mm	2.4 mm	-40 - +100 °C	Unleaded PVC	White	PVC	50 m
193074	60	21	30/0.26 mm	2.4 mm	-40 - +100 °C	Unleaded PVC	Red	PVC	50 m
193075	60	21	30/0.26 mm	2.4 mm	-40 - +100 °C	Unleaded PVC	Grey	PVC	50 m
193076	60	21	30/0.26 mm	2.4 mm	-40 - +100 °C	Unleaded PVC	Black	PVC	50 m

FLRY-B 2 MM²

HC-CARGO	Voltage	Amp	Conductor dim.	OD	Temp. area	Insulator	Colour	Material	Min supply
193077	60	25	28/0.31 mm	2.8 mm	-40 - +100 °C	Unleaded PVC	Blue	PVC	50 m
193080	60	25	28/0.31 mm	2.8 mm	-40 - +100 °C	Unleaded PVC	Yellow	PVC	50 m
193081	60	25	28/0.31 mm	2.8 mm	-40 - +100 °C	Unleaded PVC	White	PVC	50 m
193082	60	25	28/0.31 mm	2.8 mm	-40 - +100 °C	Unleaded PVC	Red	PVC	50 m
193083	60	25	28/0.31 mm	2.8 mm	-40 - +100 °C	Unleaded PVC	Grey	PVC	50 m
193084	60	25	28/0.31 mm	2.8 mm	-40 - +100 °C	Unleaded PVC	Black	PVC	50 m

FLRY-B 4 MM²

HC-CARGO	Voltage	Amp	Conductor dim.	OD	Temp. area	Insulator	Colour	Material	Min supply
193085	60	39	56/0.31 mm	3.7 mm	-40 - +100 °C	Unleaded PVC	Red	PVC	50 m
193086	60	39	56/0.31 mm	3.7 mm	-40 - +100 °C	Unleaded PVC	Black	PVC	50 m
193087	60	39	56/0.31 mm	3.7 mm	-40 - +100 °C	Unleaded PVC	Brown	PVC	50 m

FLRY-B 6 MM²

HC-CARGO	Voltage	Amp	Conductor dim.	OD	Temp. area	Insulator	Colour	Material	Min supply
193088	60	50	84/0.31 mm	4.3 mm	-40 - +100 °C	Unleaded PVC	Red	PVC	50 m
193089	60	50	84/0.31 mm	4.3 mm	-40 - +100 °C	Unleaded PVC	Black	PVC	50 m
193090	60	50	84/0.31 mm	4.3 mm	-40 - +100 °C	Unleaded PVC	Brown	PVC	50 m

DOUBLE INSULATED

1.5 MM²

HC-CARGO	Voltage	Amp	Conductor dim.	OD	Temp. area	Insulator	Colour	Material	Min supply
190948	50	16	30/0.250 mm	4 mm	70 °C	Unleaded PVC	Black	PVC	100 m
190954	50	16	30/0.250 mm	4 mm	70 °C	Unleaded PVC	Black	PVC	100 m

2.5 MM²

HC-CARGO	Voltage	Amp	Conductor dim.	OD	Temp. area	Insulator	Colour	Material	Min supply
191002	50	25	50/0.250 mm	4.2 mm	70 °C	Unleaded PVC	Black	PVC	100 m

SINGLE CORE SILICONE

HC-CARGO	Voltage	Amp	Conductor dim.	OD	Temp. area	Insulator	Colour	Material	Min supply
191923	50	16	392/0.07 mm	2.7 mm	-50 - +180 °C	Silicone	Black	Silicone	50 m
191924	50	16	392/0.07 mm	2.8 mm	-50 - +180 °C	Silicone	Red	Silicone	50 m

TRAILFLEX ADR

HC-CARGO	Voltage	Amp	No./core	Conductor dim.	OD	Insulator	Colour	Min supply

- TÜV Approved for ADR Applications.
- Specially developed and approved durable dual sheath construction.
- Cores insulated to a minimum of ISO 6722.
- Polyurethane sheathing ensures resistance to diesel oil, lerosene, dilute acids and alkalis.
- Excellent short-term dielectric strength (upto 3KV).

192093	50	10	2×1 mm²	27/0.210 mm	6 mm	ISO 6722	White/brown	50 m
192099	50	10/16	7×6x1.5+1x2.5 mm²	30/0.250+50/0.250 mm	10.3 mm	ISO 6722	White/black/yellow/red/green/brown/blue	50 m
192227	50	10/24	7×3x1.5+2x4+(2x1.5) mm²	19/0.31+48/0.31 mm	13.3 mm	ISO 7638	Red/brown/black/white/white-green/white- brown	50 m
192096	50	12/24	5×3x1.5+2x4 mm²	19/0.31+48/0.31 mm	12.1 mm	ISO 6722	Red/brown/black/yellow/white	50 m
192102	50	8/12.5	15×10x1.5+3x2.5 +1x(2x1.5) mm²	30/0.250+50/0.250 mm	14.4 mm	ISO 12098	White/orange/white-red/yellow/lightgreen/blueBlack/red/pink/grey/white-black/white-lightgreen/white-blue/white-brown/brown	50 m

LOUDSPEAKER

HC-CARGO	Voltage	Amp	No./core	Conductor dim.	OD	Temp. area	Colour	Min supply
190710	50	3	2×0.38 mm²	12/0.200 mm	1.9x4.1 mm	70 °C	Blue/grey	100 m
191777	50	3	2×0.38 mm²	12/0.200 mm	2x4.2 mm	70 °C	Black/red	100 m
190845	50	6	2×0.75 mm²	24/0.195 mm	2.5x5 mm	70 °C	Black/red	100 m
191087	50	6	2×0.75 mm²	24/0.195 mm	2.9x5.5 mm	70 °C	Transparent	100 m
191086	50	16	2×1.5 mm²	30/0.250 mm	3x6 mm	70 °C	Black/red	100 m
191093	50	20	2×2.5 mm²	50/0.250 mm	3.6x7.4 mm	70 °C	Black/red	100 m

MULTI CORE SILICONE

2X0.75 MM²

HC-CARGO	Voltage	Amp	No./core	Conductor dim.	OD	Temp. area	Insulator	Colour	Min supply
191927	500	6	2×0.75 mm²	24/0.195 mm	6.4 mm	-60 - +180 °C	Silicone	Blue/brown	100 m

2X1.5 MM²

HC-CARGO	Voltage	Amp	No./core	Conductor dim.	OD	Temp. area	Insulator	Colour	Min supply
191928	500	16	2×1.5 mm²	30/0.250 mm	7.6 mm	-60 - +180 °C	Silicone	Blue/brown	100 m

MULTI CORE

WHITE COVER

HC-CARGO	Voltage	Amp	No./core	Conductor dim.	OD	Temp. area	Insulator	Colour	Min supply
190685	300/300	6	2×0.75 mm²	24/0.195 mm	6.4 mm	70 °C	Unleaded PVC	Blue/brown	100 m
192820	300/500	16	3g×1.5 mm²	25/0.260 mm	9.4 mm	70 °C	Unleaded PVC	Blue/brown/ yellow-green	50 m
190675	450/750	6	2×0.75 mm²	24/0.195 mm	5.4 mm	60 °C	Unleaded PVC	Blue/brown	100 m

GREY COVER

HC-CARGO	Voltage	Amp	No./core	Conductor dim.	OD	Temp. area	Insulator	Colour	Min supply
191620	50	9	2×0.75 mm²	24/0.200 mm	8.7 mm	-5 - +50 °C	Unleaded PVC	White/brown	100 m
191621	50	9	4×0.75 mm²	24/0.200 mm	10.4 mm	-5 - +50 °C	Unleaded PVC	White/brown/ green/yellow	100 m
191623	50	12	12×1 mm²	32/0.210 mm	12 mm	-5 - +70 °C	Unleaded PVC		100 m

BLACK COVER

HC-CARGO	Voltage	Amp	No./core	Conductor dim.	OD	Insulator	Colour	Min supply
190979	50	3.9	7×0.75 mm²	24/0.195 mm	9.2 mm	Unleaded PVC	Blue/brown/black/yellow/ green/red/white	50 m
191418	50	4.5	6×0.75 mm²	24/0.195 mm	7.5 mm	Unleaded PVC	Blue/brown/black/yellow/ white/red	50 m
191419	50	4.5	5×0.75 mm²	24/0.195 mm	8.1 mm	Unleaded PVC	Blue/brown/black/yellow/ green	50 m
190676	50	6	2×0.75 mm²	24/0.195 mm	4.4x6.8 mm	Unleaded PVC	Blue/brown	50 m
190686	50	6	2×0.75 mm²	24/0.195 mm	6 mm	Unleaded PVC	Blue/brown	50 m
190687	50	6	3×0.75 mm²	24/0.195 mm	6.7 mm	Unleaded PVC	Blue/brown/black	50 m
191135	50	6	4×0.75 mm²	24/0.195 mm	7.4 mm	Unleaded PVC	Blue/brown/black/yellow	50 m
190993	50	6.5	7×1 mm²	32/0.195 mm	9.3 mm	Unleaded PVC	Blue/brown/black/yellow/ green/red/white	50 m
190981	50	7.5	5×1 mm²	32/0.195 mm	8.6 mm	Unleaded PVC	Blue/brown/black/yellow/ green	50 m
190711	50	7.5/18.7	7×6x1+1x2.5 mm²	32/0.195+50/0.250 mm	10.5 mm	Unleaded PVC	Blue/brown/black/yellow/ green/red/white	50 m
191058	50	8.8	12×1.5 mm²	30/0.250 mm	16.4 mm	Unleaded PVC	Blue/brown/black/yellow/ green/red/white/grey/ violet/pink/orange/turquoise	50 m
192104	50	8/12.5	13×9x1.5+4x2.5 mm²	30/0.250+50/0.250 mm	16.6 mm	Unleaded PVC	Blue/brown/black/yellow/ green/red/white/grey/ purple/pink/orange/ turquoise	50 m
191095	50	8/12.5/7	13×10x1.5+3x2.5 mm²	30/0.250+50/0.250 mm	16 mm	Unleaded PVC	Blue/brown/black/yellow/ green/red/white/grey/ violet/pink/orange/ turquoise/tranparent	50 m
190689	50	10	3×1 mm²	32/0.195 mm	6.8 mm	Unleaded PVC	Blue/brown/black	50 m
190950	50	10	4×1 mm²	32/0.195 mm	7.6 mm	Unleaded PVC	Blue/brown/black/yellow	50 m
191817	50	10	2×1 mm²	32/0.195 mm	6.4 mm	Unleaded PVC	Blue/brown	50 m
192789	50	10	2×1 mm²	32/0.195 mm	4x6.4 mm	Unleaded PVC	White/black	50 m

HC-CARGO	Voltage	Amp	No./core	Conductor dim.	OD	Insulator	Colour	Min supply
191043	50	10/16	7×6x1.5+1x2.5 mm²	30/0.250+50/0.250 mm	4.6x7.6 mm	Unleaded PVC	Blue/brown/black/yellow/green/red/white	50 m
190666	50	12	5×1.5 mm²	30/0.250 mm	9.3 mm	Unleaded PVC	White/brown/black/yellow/green	50 m
190667	50	16	7×1.5 mm²	30/0.250 mm	10.5 mm	Unleaded PVC	Blue/brown/black/yellow/green/red/white	50 m
190688	50	16	2×1.5 mm²	30/0.250 mm	6.7 mm	Unleaded PVC	Blue/brown	50 m
190709	50	16	2×1.5 mm²	30/0.250 mm	4x6.4 mm	Unleaded PVC	Blue/brown	50 m
191130	50	16	3×1.5 mm²	30/0.250 mm	7.6 mm	Unleaded PVC	Blue/brown/black	50 m
191136	50	16	4×1.5 mm²	30/0.250 mm	8.6 mm	Unleaded PVC	Blue/brown/black/yellow	50 m
191160	50	20	2×2.5 mm²	50/0.250 mm	5.3x8.8 mm	Unleaded PVC	Blue/brown	50 m
192951	50	20	2×2.5 mm²	50/0.250 mm	8.6 mm	Unleaded PVC	Blue/brown	50 m
190690	300/500	6	2×0.75 mm²	20/0.210 mm	6 mm	IEC 60332-1	Blue/brown	100 m
191617	300/500	10	2×1 mm²	26/0.210 mm	7.2 mm	Unleaded PVC	Blue/brown	100 m
191618	300/500	16	2×1.5 mm²	25/0.260 mm	7 mm	Unleaded PVC	Blue/brown	100 m
192555	300/500	16	3×1.5 mm²	25/0.260 mm	8.9 mm	Unleaded PVC	Blue/brown/yellow-green	50 m
191619	300/500	16	4×1.5 mm²	25/0.260 mm	9.1-10.5 mm	Unleaded PVC	Grey/brown/black/yellow-green	50 m
190691	450/750	12	2×1 mm²	26/0.210 mm	9 mm	IEC 60332-1	Blue/brown	100 m
190693	450/750	16	2×1.5 mm²	25/0.260 mm	10 mm	IEC 60332-1	Blue/brown	100 m
191131	450/750	16	3×1.5 mm²	25/0.260 mm	10 mm	IEC 60332-1	Blue/brown/yellow-green	100 m
191062	450/750	16	4×1.5 mm²	25/0.260 mm	11 mm	IEC 60332-1	Blue/brown/black/yellow-green	100 m
192103	450/750	20	5×2.5 mm²	25/0.260 mm	13.7 mm	IEC 60332-1	Blue/brown/black/black/yellow-green	50 m

WELDING

RED PVC COVER

HC-CARGO	Min supply	HC-CARGO	Min supply	Voltage	Amp	No./core	Conductor dim.	OD	Temp. area
191535	25 m	**B191535***	100 m	300/500	63	1×10 mm²	304/0.2 mm	7.3 mm	-5 - +85 °C
191574	25 m	**B191574**	100 m	300/500	85	1×16 mm²	462/0.2 mm	8.7 mm	-5 - +85 °C
191451	25 m	**B191451**	100 m	300/500	112	1×25 mm²	742/0.2 mm	10.5 mm	-5 - +85 °C
191452	25 m	**B191452**	100 m	300/500	138	1×35 mm²	1008/0.2 mm	12 mm	-5 - +85 °C
191453	25 m	**B191453**	50 m	300/500	168	1×50 mm²	1482/0.2 mm	13.8 mm	-5 - +85 °C
192446	10 m	**B192446**	50 m	300/500	213	1×70 mm²	2090/0.2 mm	16.5 mm	-5 - +85 °C
193384	10 m			300/500	258	1×95 mm²	2812/0.2 mm	19.5 mm	-5 - +85 °C

ORANGE PVC/NBR COVER

HC-CARGO	Voltage	Amp	No./core	Conductor dim.	OD	Temp. area	Insulator	Min supply
191522	450/750	112	1×25 mm²	742/0.2 mm	10.8 mm	-5 - +90 °C	Dual	25 m
191523	450/750	138	1×35 mm²	1050/0.2 mm	12 mm	-5 - +90 °C	Dual	25 m
191524	450/750	168	1×50 mm²	1482/0.2 mm	14.2 mm	-5 - +90 °C	Dual	25 m
192445	450/750	213	1×70 mm²	2090/0.2 mm	16.7 mm	-5 - +90 °C	Dual	10 m
194453*	450/750	385	1×70x36 mm²	2090/0.2 mm	16.7 mm	-5 - +90 °C	Dual	50 m

BLACK PVC COVER

HC-CARGO	Min supply	HC-CARGO	Min supply	Voltage	Amp	No./core	Conductor dim.	OD	Temp. area
191445	25 m	**B191445***	100 m	300/500	63	1×10 mm²	312/0.2 mm	7.3 mm	-5 - +85 °C
191446	25 m	**B191446**	100 m	300/500	85	1×16 mm²	462/0.2 mm	8.7 mm	-5 - +85 °C
191447	25 m	**B191447**	100 m	300/500	112	1×25 mm²	742/0.2 mm	10.5 mm	-5 - +85 °C
191448	25 m	**B191448**	100 m	300/500	138	1×35 mm²	1008/0.2 mm	12 mm	-5 - +85 °C
191449	25 m	**B191449**	50 m	300/500	168	1×50 mm²	1482/0.2 mm	13.8 mm	-5 - +85 °C
191450	10 m	**B191450**	50 m	300/500	213	1×70 mm²	2090/0.2 mm	16.5 mm	-5 - +85 °C
192881	10 m	**B192881**	50 m	300/500	258	1×95 mm²	2812/0.2 mm	19.5 mm	-5 - +85 °C

BLACK PVC/NBR COVER

HC-CARGO	Voltage	Amp	No./core	Conductor dim.	OD	Temp. area	Insulator	Min supply
191516	450/750	63	1×10 mm²	304/0.2 mm	7.4 mm	-5 - +90 °C	Dual	25 m
191517	450/750	85	1×16 mm²	490/0.2 mm	8.6 mm	-5 - +90 °C	Dual	25 m
191518	450/750	112	1×25 mm²	742/0.2 mm	10.8 mm	-5 - +90 °C	Dual	25 m
191519	450/750	138	1×35 mm²	1050/0.2 mm	12 mm	-5 - +90 °C	Dual	25 m
191520	450/750	168	1×50 mm²	1482/0.2 mm	14.2 mm	-5 - +90 °C	Dual	25 m
191521	450/750	213	1×70 mm²	2090/0.2 mm	16.7 mm	-5 - +90 °C	Dual	10 m
192882	450/750	258	1×95 mm²	2812/0.2 mm	19.5 mm	-5 - +90 °C	Dual	10 m

STARTER

RED PVC COVER

HC-CARGO	Min supply	HC-CARGO	Min supply	Voltage	Amp	No./core	Conductor dim.	OD	Temp. area
192291	25 m	**B192291**	100 m	450/750	290	1×35 mm²	290/0.31 mm	11.6 mm	-25 - +70 °C
192292	25 m	**B192292**	50 m	450/750	365	1×50 mm²	632/0.31 mm	13.6 mm	-25 - +70 °C

BLACK PVC COVER

HC-CARGO	Min supply	HC-CARGO	Min supply	Voltage	Amp	No./core	Conductor dim.	OD	Temp. area
191132	25 m	**B191132**	100 m	450/750	108	1×10 mm²	128/0.31 mm	6.7 mm	-25 - +70 °C
190680	25 m	**B190680**	100 m	450/750	175	1×16 mm²	208/0.31 mm	8.2 mm	-25 - +70 °C
190681	25 m	**B190681**	100 m	450/750	230	1×25 mm²	320/0.31 mm	10.2 mm	70 °C
190682	25 m	**B190682**	100 m	450/750	290	1×35 mm²	448/0.31 mm	11.6 mm	-25 - +70 °C
190683	25 m	**B190683**	50 m	450/750	365	1×50 mm²	632/0.31 mm	13.6 mm	-25 - +70 °C
190684	10 m	**B190684**	50 m	450/750	460	1×70 mm²	896/0.31 mm	15.6 mm	-25 - +70 °C

PARALLEL TWIN BATTERY

HC-CARGO	Min supply	HC-CARGO	Min supply	Voltage	Amp	No./core	Conductor dim.	OD	Temp. area
191793	25 m			500	28	2×4 mm²	114/0.2 mm	6x13 mm	-5 - +70 °C
191794	25 m			500	36	2×6 mm²	172/0.2 mm	6.5x14 mm	-5 - +70 °C
191795	25 m			500	63	2×10 mm²	296/0.2 mm	8x17 mm	-5 - +70 °C
191796	25 m			500	135	2×16 mm²	462/0.2 mm	9x19 mm	-5 - +70 °C
191525	10 m	**B191525**	100 m	500	230	2×25 mm²	722/0.21 mm	11x23 mm	-5 - +70 °C
191526	10 m	**B191526**	50 m	500	290	2×35 mm²	1026/0.2 mm	12.5x26 mm	-5 - +70 °C
191527	10 m			500	370	2×50 mm²	1482/0.2 mm	14.5x30 mm	-5 - +70 °C

DISPLAY

06219 Cable/Shrink Pipe Display — Std pkg 1

Contains maks. 8 boxes. Can be placed on the counter or mounted on wall.

BOOSTER

STEEL CLIPS

192206 Booster cable set — Std pkg 1

Amp: 80

Conductor dim.: 79/0.4 mm
Conductor dim. 1: 10 mm²
Length: 2.5 m

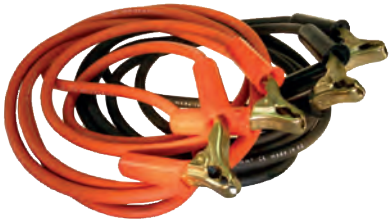
Colour: Red/black
Material: Galvanized steel
No./wires: 2

192207 Booster cable set — Std pkg 1

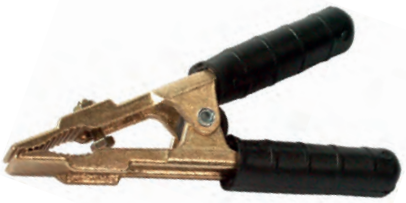
Amp: 100

Conductor dim.: 126/0.4 mm
Conductor dim. 1: 16 mm²
Length: 2.5 m

Colour: Red/black
Material: Galvanized steel
No./wires: 2

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
192208 Booster cable set Std pkg 1			
	Amp: 120	**Conductor dim.:** 188/0.4 mm **Conductor dim. 1:** 25 mm² **Length:** 2.5 m	**Colour:** Red/black **Material:** Galvanized steel **No./wires:** 2
BRASS CHARGING CLIPS			
192209 Booster cable set Std pkg 1			
	Amp: 230	**Conductor dim.:** 770/0.2 mm **Conductor dim. 1:** 25 mm² **Length:** 3.5 m	**Colour:** Red/black **Material:** Moulded brass **No./wires:** 2 **BS-approved:** BS638
192210 Booster cable set Std pkg 1			
	Amp: 290	**Conductor dim.:** 1083/0.2 mm **Conductor dim. 1:** 35 mm² **Length:** 3.5 m	**Colour:** Red/black **Material:** Moulded brass **No./wires:** 2 **BS-approved:** BS638
192211 Booster cable set Std pkg 1			
	Amp: 370	**Conductor dim.:** 1558/0.2 mm **Conductor dim. 1:** 50 mm² **Length:** 3.5 m	**Colour:** Red/black **Material:** Moulded brass **No./wires:** 2 **BS-approved:** BS638
192212 Booster cable set Std pkg 1			
	**Amp:** 370	**Conductor dim.:** 1558/0.2 mm **Conductor dim. 1:** 50 mm² **Length:** 5 m	**Colour:** Red/black **Material:** Moulded brass **No./wires:** 2 **BS-approved:** BS638
192295 Booster cable set Std pkg 1			
	Amp: 135	**Conductor dim.:** 265/0.41 mm **Conductor dim. 1:** 35 mm² **Length:** 3.5 m	**Colour:** Red/black **Material:** Moulded brass **No./wires:** 2
192296 Booster cable set Std pkg 1			
	Amp: 160	**Conductor dim.:** 378/0.41 mm **Conductor dim. 1:** 50 mm² **Length:** 5 m	**Colour:** Red/black **Material:** Moulded brass **No./wires:** 2

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
192844 Booster cable set Std pkg 1			
	Amp: 290	**Conductor dim.:** 1008/0.2 mm **Conductor dim. 1:** 35 mm² **Length:** 5 m	**Colour:** Red/black **Material:** Moulded brass **No./wires:** 2 **BS-approved:** BS638
FULLY INSULATED CLIPS			
192213 Booster cable set Std pkg 1			
	Amp: 290	**Conductor dim.:** 1083/0.2 mm **Conductor dim. 1:** 35 mm² **Length:** 3.5 m	**Colour:** Red/black **Material:** Moulded brass **No./wires:** 2 **Insulator:** Yes **Braided link:** w/ **BS-approved:** BS638 **Alternativ no.:** 192384
192214 Booster cable set Std pkg 1			
	Amp: 370	**Conductor dim.:** 1558/0.2 mm **Conductor dim. 1:** 50 mm² **Length:** 3.5 m	**Colour:** Red/black **Material:** Compressed steel **No./wires:** 2 **Insulator:** Yes **Braided link:** w/ **BS-approved:** BS638
192215 Booster cable set Std pkg 1			
	Amp: 370	**Conductor dim.:** 1558/0.2 mm **Conductor dim. 1:** 50 mm² **Length:** 5 m	**Colour:** Red/black **Material:** Compressed steel **No./wires:** 2 **Insulator:** Yes **Braided link:** w/ **BS-approved:** BS638 **Alternativ no.:** 192385
192384 Booster cable set Std pkg 1			
	Amp: 290	**Conductor dim.:** 1083/0.2 mm **Conductor dim. 1:** 35 mm² **Length:** 3.5 m	**Colour:** Red/black **Material:** Copper/Brass **No./wires:** 2 **Insulator:** Yes **Braided link:** w/ **DIN norm:** 72553 **Alternativ no.:** 192213
192385 Booster cable set Std pkg 1			
	Amp: 370	**Conductor dim.:** 1558/0.2 mm **Conductor dim. 1:** 50 mm² **Length:** 5 m	**Colour:** Red/black **Material:** Copper/Brass **No./wires:** 2 **Insulator:** Yes **Braided link:** w/ **DIN norm:** 72553 **Alternativ no.:** 192215
CHARGING CLIPS			
192196 Charging Clips Std pkg 1			
	Amp: 275	**Cable dim.:** 16 mm²	**Colour:** Red **Material:** Moulded brass

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
192197 Charging Clips Std pkg 1			
	Amp: 275	**Cable dim.:** 16 mm²	**Colour:** Black **Material:** Moulded brass
192293 Charging Clips Std pkg 1			
Lenght: 210 mm.			
	Amp: 420	**Cable dim.:** 35-50 mm²	**Colour:** Red **Material:** Zinc plated steel
192294 Charging Clips Std pkg 1			
Lenght: 210 mm.			
	Amp: 420	**Cable dim.:** 35-50 mm²	**Colour:** Black **Material:** Zinc plated steel
192386 Charging Clips Std pkg 1			
	Amp: 200	**Cable dim.:** 16 mm²	**Colour:** Red **Material:** Moulded brass
192387 Charging Clips Std pkg 1			
	**Amp:** 200	**Cable dim.:** 16 mm²	**Colour:** Black **Material:** Moulded brass
192388 Charging Clips Std pkg 1			
	Amp: 320	**Cable dim.:** 25 mm²	**Colour:** Red **Material:** Moulded brass
192389 Charging Clips Std pkg 1			
	Amp: 320	**Cable dim.:** 25 mm²	**Colour:** Black **Material:** Moulded brass

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
192390 Charging Clips Std pkg 1			
	Amp: 420	**Cable dim.:** 50 mm²	**Colour:** Red **Material:** Moulded brass
192391 Charging Clips Std pkg 1			
	Amp: 420	**Cable dim.:** 50 mm²	**Colour:** Black **Material:** Moulded brass
192903 Charging clips Std pkg 1			
	Amp: 1200	**Cable dim.:** 25-50 mm²	**Colour:** Red **Material:** Brass
192904 Charging clips Std pkg 1			
	Amp: 1200	**Cable dim.:** 25-50 mm²	**Colour:** Black **Material:** Brass
FULLY INSULATED			
192204 Charging clips Std pkg 1			
	Amp: 600	**Cable dim.:** 25-50 mm²	**Colour:** Red **Material:** Compressed steel **Fully insulated:** Yes **Braided link:** w/ **Alternativ no.:** 192398
192205 Charging clips Std pkg 1			
	Amp: 600	**Cable dim.:** 25-50 mm²	**Colour:** Black **Material:** Compressed steel **Fully insulated:** Yes **Braided link:** w/ **Alternativ no.:** 192399
192398 Charging Clips Std pkg 1			
	Amp: 600	**Cable dim.:** 50 mm²	**Colour:** Red **Material:** Copper/Brass **Fully insulated:** Yes **Braided link:** w/ **Alternativ no.:** 192204

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
192399 Charging Clips Std pkg 1			
	Amp: 600	**Cable dim.:** 50 mm²	**Colour:** Black **Material:** Copper/Brass **Fully insulated:** Yes **Braided link:** w/ **Alternativ no.:** 192205
192559 Charging Clips Std pkg 1			
Ergonomic.			
	Amp: 500	**Cable dim.:** 25-50 mm²	**Colour:** Red **Material:** Moulded brass **Fully insulated:** Yes
192560 Charging Clips Std pkg 1			
Ergonomic.			
	Amp: 500	**Cable dim.:** 25-50 mm²	**Colour:** Black **Material:** Moulded brass **Fully insulated:** Yes

ALLIGATOR & UNIVERSAL CLIPS

ALLIGATOR

192190 Alligator Clip Std pkg 25			
	Amp: 5	**Jaw opening:** 11 **Length:** 50 mm	**Type:** Pos./Neg.
192191 Alligator Clip Std pkg 10			
	Amp: 40	**Jaw opening:** 14 **Length:** 75 mm	**Type:** Positive **Colour:** Red
192192 Alligator Clip Std pkg 10			
	Amp: 40	**Jaw opening:** 14 **Length:** 75 mm	**Type:** Negative **Colour:** Black
192659 Alligator Clip Std pkg 1			
	Amp: 10	**Jaw opening:** 11 **Length:** 80 mm	**Type:** Positive **Colour:** Red

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
192660 Alligator Clip Std pkg 1			
	Amp: 10	**Jaw opening:** 11 **Length:** 80 mm	**Type:** Negative **Colour:** Black

UNIVERSAL

192700 Universal Clips Std pkg 5			
	Amp: 25	**Jaw opening:** 19 **Length:** 70 mm	**Type:** Positive **Alternativ no.:** 193239
192701 Universal Clips Std pkg 5			
	Amp: 25	**Jaw opening:** 19 **Length:** 70 mm	**Type:** Negative **Alternativ no.:** 193240
192702 Universal Clips Std pkg 5			
	Amp: 50	**Jaw opening:** 25 **Length:** 100 mm	**Type:** Positive
192703 Universal Clips Std pkg 5			
	Amp: 50	**Jaw opening:** 25 **Length:** 100 mm	**Type:** Negative
193239 Universal Clips Std pkg 1			
	Amp: 25	**Jaw opening:** 12 **Length:** 75 mm	**Type:** Positive **Alternativ no.:** 192700
193240 Universal Clips Std pkg 1			
	Amp: 25	**Jaw opening:** 12 **Length:** 75 mm	**Type:** Negative **Alternativ no.:** 192701

CABLE COILS

BATTERY

HC-CARGO	Std pkg	Lead dim.	Windings	Material	Colour	OD	Working length
191201	Pkg. 1	25 mm²	35	Polyurethan	Black	13.5 mm	3.5 m
191238	Pkg. 1	25 mm²	35	Polyurethan	Red	13.5 mm	3.5 m
192722	Pkg. 1	2x35 mm²	35	Polyurethan	Red/black	13.5 mm	3.5 m
192723	Pkg. 1	35 mm²	35	Polyurethan	Black	13.5 mm	3.5 m
192724	Pkg. 1	35 mm²	35	Polyurethan	Red	13.5 mm	3.5 m

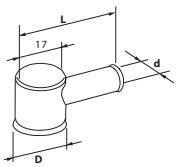
ELECTRICAL

HC-CARGO	Std pkg	Lead dim.	Windings	Material	DIN Norm	ISO Norm	Plugtype	Working length
191179	Pkg. 1	2x4/3x1.5 mm²	48	Polyurethan	74001	4141	5	4 m
192582	Pkg. 1	4x0.75 mm²	68	Polyurethan	72575		4	5.5 m
192583	Pkg. 1	5x0.75 mm²	68	Polyurethan		7638	5	5.5 m
191495	Pkg. 1	6x1+1x2 mm²	63	Polyurethan			7	5 m
191013	Pkg. 1	6x1+1x2 mm²	20	Nylon	72551	4141	7	3.5 m
191088	Pkg. 1	6x1+1x2 mm²	42	Polyurethan		4141	7	3.5 m
191195	Pkg. 1	12x1.5+3x2.5 mm²	34	Polyurethan		12098	15	3.5 m

IGNITION

150401 Protection Cap — Std pkg 10

For spark plug cap. Angled.



Cable dia.: 7.5 mm
Cable dia. 2: 15 mm²
Length: 41 mm

Colour: Black
Material: PVC

190695 Ignition Cable — Std pkg 50

Conductor dim.: 19/0.3 mm
Conductor dim.: 1.5 mm²
OD: 7 mm
Roll size: 50 m

Cable type: Ignition cable
Cap colour: Black
Cap material: PVC

CABLE EYELETS

191805 Cable Eyelet — Std pkg 100

OD: 7.2 mm
Height: 3.6 mm

Material: Brass

192658 Cable Eyelet — Std pkg 100

OD: 8 mm
Height: 3.6 mm

Material: Brass

HOSES

WOVEN

HC-CARGO	Std pkg	ID	Length	Box dim.	Pressure	Temp.	
191499	Pkg. 20	3.2 mm	20 m	28.5x29.5x11.5 cm	5 bar	-20 - +100 °C	*Also for unleaded petrol.*
190994	Pkg. 20	3.5 mm	20 m	28.5x29.5x11.5 cm	5 bar	-20 - +100 °C	*Also for unleaded petrol.*
191014	Pkg. 20	4.5 mm	20 m	28.5x29.5x11.5 cm	5 bar	-20 - +100 °C	*Also for unleaded petrol.*
190995	Pkg. 20	5 mm	20 m	28.5x29.5x11.5 cm	5 bar	-20 - +100 °C	*Also for unleaded petrol.*
190996	Pkg. 20	6 mm	20 m	28.5x29.5x11.5 cm	5 bar	-20 - +100 °C	*Also for unleaded petrol.*
190997	Pkg. 20	7.5 mm	20 m	28.5x29.5x11.5 cm	5 bar	-20 - +100 °C	*Also for unleaded petrol.*
191015	Pkg. 20	9 mm	20 m	28.5x29.5x11.5 cm	5 bar	-20 - +100 °C	*Also for unleaded petrol.*
192361	Pkg. 10	11 mm	10 m	28.5x29.5x11.5 cm	5 bar	-20 - +100 °C	*Also for unleaded petrol.*

NON-WOVEN

Din norm: 73379, **Temp.:** -40 - +85 °C

HC-CARGO	Std pkg	ID	OD	Length	Box dim.	Pressure	
191182	Pkg. 20	3.5 mm	9.5 mm	20 m	28.5x29.5x11.5 cm	10 bar	*Also for unleaded petrol.*
190998	Pkg. 20	5 mm	11 mm	20 m	28.5x29.5x11.5 cm	10 bar	*Also for unleaded petrol.*
190999	Pkg. 20	6 mm	12 mm	20 m	28.5x29.5x11.5 cm	10 bar	*Also for unleaded petrol.*
191063	Pkg. 20	5.5 mm	11.5 mm	20 m	28.5x29.5x11.5 cm	10 bar	*Also for unleaded petrol.*
191000	Pkg. 20	7.5 mm	13.5 mm	20 m	28.5x29.5x11.5 cm	10 bar	*Also for unleaded petrol.*
190984	Pkg. 20	9.5 mm	15.5 mm	20 m	28.5x29.5x11.5 cm	10 bar	*Also for unleaded petrol.*

PLASTIC

HC-CARGO	Std pkg	ID	OD	Length	Pressure	Temp.	Hose type
190093	Pkg. 50	3 mm	4.5 mm	50 m		-15 - +60 °C	Washer
190094	Pkg. 50	4 mm	5.5 mm	50 m		-15 - +60 °C	Washer
190095	Pkg. 50	5 mm	7.3 mm	50 m		-15 - +60 °C	Washer
190096	Pkg. 50	6 mm	9.8 mm	50 m		-15 - +60 °C	Washer
090170	Pkg. 10	6 mm	10 mm	10 m	2.8-3.5 bar		Fuel
190097	Pkg. 50	8 mm	11.6 mm	50 m		-15 - +60 °C	Washer
090171	Pkg. 10	8 mm	12 mm	10 m	2.8-3.5 bar		Fuel

ARMOURED PLASTIC

190100 Armoured PA hose Std pkg 50

Petrol and fuel resistant.

ID: 6 mm
Length: 50 m
Temp.: -5 - +60 °C
Working pressure at 20 °C: 25 kg./cm²

Hose type: Armoured
Colour: Transparent
Material: PVC

190101 Armoured hose Std pkg 50

Petrol and fuel resistant.

ID: 8 mm
Length: 50 m
Temp.: -5 - +60 °C
Working pressure at 20 °C: 20 kg./cm²

Hose type: Armoured
Colour: Transparent
Material: PVC

OVERFLOW

090293 Over flow hose high temperatur Std pkg 20 **Servicing:** Among others Mercedes - Visit our web catalogue for further information

Specially designed for Mercedes where the nozzle is stored in the valve cover. Tolerates higher temperatures.

ID: 3 mm
OD: 7 mm
Length: 20 m
Temp.: 110 °C
Pressure: 10 bar
Working pressure at 20 °C: 5 kg./cm²

Colour: Grey/red
Woven: Yes

HEATER

192720 Heater Hose Std pkg 10

Black EPDM rubber. Temperature resistant between -25°C-+100°C.

Box dim.: 28.5x29.5x11.5 cm
ID: 16 mm
Length: 10 m
Temp.: -25 - +100 °C
Pressure: 10 bar

Hose type: Water
Colour: Black

SYNTHETIC RUBBER STEEL WIRE

Braiding of galvanized steel wire. **Material:** Rubber

HC-CARGO	Std pkg	HC-CARGO	Std pkg	ID	OD	Length	Pressure	DIN Norm	Temp.
090078	Pkg. 10			4.5 mm	9.5 mm	10 m	20 bar	73379	-35 - +80 °C
090079	Pkg. 10	**B090079**	Pkg. 50	5.5 mm	10.5 mm	10 m	20 bar	73379	-35 - +80 °C
090080	Pkg. 10	**B090080**	Pkg. 50	7.5 mm	12.5 mm	10 m	20 bar	73379	-35 - +80 °C
090081	Pkg. 10	**B090081**	Pkg. 50	9 mm	14 mm	10 m	20 bar	73379	-35 - +80 °C
090082	Pkg. 10			11 mm	17.7 mm	10 m	20 bar	73379	-35 - +80 °C

POLYAMID

HC-CARGO	Std pkg	ID	OD	Length	Pressure	DIN Norm	Temp.
B090148	Pkg. 25	4 mm	6 mm	25 m	27 bar	74324	-40 - +100 °C
B090084	Pkg. 25	8 mm	10 mm	25 m	27 bar	74324	-40 - +100 °C
B090119	Pkg. 25	9 mm	12 mm	25 m	27 bar	74324	-40 - +100 °C

VACUUM

191192 Vacuum Hose — Std pkg 20

Box dim.: 28.5x29.5x11.5 cm
ID: 3 mm
Length: 20 m

Colour: Black

191193 Vacuum Hose — Std pkg 20

Box dim.: 28.5x29.5x11.5 cm
ID: 4 mm
Length: 20 m

Hose type: Armoured
Colour: Black

PIPES

HC-CARGO	Std pkg	ID	Length
080829	Pkg. 1	6 mm	M10-1
080830	Pkg. 1	6 mm	M12-1.5
080287	Pkg. 1	6 mm	M12-1.5
080268	Pkg. 5	8 mm	
080288	Pkg. 1	8 mm	M14-1.5
080831	Pkg. 1	8 mm	M14-1.5
080930	Pkg. 5	8 mm	1/2"-20 UNF
080931	Pkg. 5	8 mm	1/2"-20 UNF
080289	Pkg. 1	10 mm	M16-1.5

HOSE SLEEVES

HC-CARGO	Std pkg	ID	OD	Length
080285	Pkg. 10	5 mm	6 mm	14.1 mm
080259	Pkg. 10	11 mm	13 mm	17 mm
080260	Pkg. 10	11 mm	11.5 mm	17 mm
080261	Pkg. 10	12 mm	12.5 mm	20 mm
080262	Pkg. 10	13.5 mm	13.5 mm	20 mm
080263	Pkg. 10	14 mm	14.5 mm	20 mm
080264	Pkg. 10	16 mm	16 mm	20 mm
080265	Pkg. 10	17 mm	17.5 mm	21 mm

CLAMPS

HOSE

HC-CARGO	Std pkg	ID min	ID max	Width	Ref. no.	Material
Spanner size: 7 mm, **Coating:** Electro galvanized, Alu/zinc, Lacquered						
190157	Pkg. 50	8 mm	14 mm	9 mm	15	Steel
193027	Pkg. 50	8 mm	14 mm	10 mm	15	Carbon steel
190158	Pkg. 50	11 mm	17 mm	9 mm	17	Steel
193028	Pkg. 50	11 mm	17 mm	10 mm	17	Carbon steel
190159	Pkg. 50	13 mm	20 mm	9 mm	22	Steel
193029	Pkg. 50	13 mm	20 mm	10 mm	22	Carbon steel
190160	Pkg. 50	15 mm	24 mm	12 mm	25	Steel
193030	Pkg. 50	15 mm	24 mm	12 mm	25	Carbon steel
190161	Pkg. 50	19 mm	28 mm	12 mm	28	Steel
193031	Pkg. 50	19 mm	28 mm	12 mm	28	Carbon steel
190162	Pkg. 50	22 mm	32 mm	12 mm	32	Steel
193032	Pkg. 50	22 mm	32 mm	12 mm	32	Carbon steel
190163	Pkg. 50	26 mm	38 mm	12 mm	40	Steel
193033	Pkg. 50	26 mm	38 mm	12 mm	40	Carbon steel
190164	Pkg. 50	32 mm	44 mm	12 mm	45	Steel
193034	Pkg. 50	32 mm	44 mm	12 mm	45	Carbon steel
190165	Pkg. 50	38 mm	50 mm	12 mm	51	Steel
193035	Pkg. 50	38 mm	50 mm	12 mm	51	Carbon steel
190166	Pkg. 50	44 mm	56 mm	12 mm	56	Steel
193036	Pkg. 50	44 mm	56 mm	12 mm	56	Carbon steel
190167	Pkg. 10	50 mm	65 mm	12 mm	65	Steel
193037	Pkg. 10	50 mm	65 mm	12 mm	65	Carbon steel
190168	Pkg. 10	58 mm	75 mm	12 mm	75	Steel
193038	Pkg. 10	58 mm	75 mm	12 mm	75	Carbon steel
190169	Pkg. 10	68 mm	85 mm	12 mm	85	Steel
193039	Pkg. 10	68 mm	85 mm	12 mm	85	Carbon steel
190170	Pkg. 10	77 mm	95 mm	12 mm	96	Steel
193040	Pkg. 10	77 mm	95 mm	12 mm	96	Carbon steel
190171	Pkg. 10	87 mm	112 mm	12 mm	113	Steel
193041	Pkg. 10	87 mm	112 mm	12 mm	113	Carbon steel
190172	Pkg. 50	104 mm	138 mm	12 mm	139	Steel
191239	Pkg. 10	130 mm	165 mm	12 mm	166	Steel

MINI

HC-CARGO	Std pkg	ID min	ID max	Width	Ref. no.	Material
Spanner size: 7 mm, **Coating:** Electro galvanized, Alu/zinc, Lacquered						
190005	Pkg. 50	6 mm	8.3 mm	9 mm	8	Steel
190006	Pkg. 50	7 mm	9.3 mm	9 mm	9	Steel
190007	Pkg. 50	8 mm	10.3 mm	9 mm	10	Steel
190008	Pkg. 50	9 mm	11.3 mm	9 mm	10	Steel
190009	Pkg. 50	9 mm	12.3 mm	9 mm	12	Steel
190010	Pkg. 50	10 mm	13.3 mm	9 mm	13	Steel
190937	Pkg. 50	11 mm	14.3 mm	9 mm	14	Steel
190938	Pkg. 50	12 mm	15.3 mm	9 mm	15	Steel
191056	Pkg. 50	13 mm	16.3 mm	9 mm	16	Steel
192054	Pkg. 50	14 mm	17.3 mm	9 mm	17	Steel

TOOLS

HOSE CLAMP SCREWDRIVERS

210249 Hose Clamp Screwdriver Std pkg 1

Flexible.

PIPE

HC-CARGO	Std pkg	ID		Thickness	Material
191592	Pkg. 10	42 mm	1 5/8"	8 mm	Galvanized steel
191593	Pkg. 10	45 mm	1 3/4"	8 mm	Galvanized steel
191594	Pkg. 10	48 mm	1 7/8"	8 mm	Galvanized steel
191595	Pkg. 10	51 mm	2"	8 mm	Galvanized steel
191596	Pkg. 10	54 mm	2 1/8"	8 mm	Galvanized steel
191597	Pkg. 10	57 mm	2 1/4"	8 mm	Galvanized steel

EAR CLIPS

192817 Ear Clip — Pkg. 100

w/ inserts. Min. 8.5 mm. Max 10.5 mm.

192818 Ear Clip — Pkg. 100

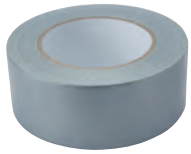
w/ inserts. Min. 9.5 mm. Max 11.5 mm.

TAPES

INSULATION TAPE

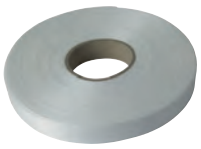
HC-CARGO	Std pkg	Width	Dim.	Colour	Material
190180	Pkg. 20	15 mm	0.1 mm x 10 m	Black	PVC
190181	Pkg. 20	15 mm	0.1 mm x 10 m	Red	PVC
190182	Pkg. 20	15 mm	0.1 mm x 10 m	Blue	PVC
190183	Pkg. 20	15 mm	0.1 mm x 10 m	Green	PVC
190184	Pkg. 20	15 mm	0.1 mm x 10 m	Yellow	PVC
190185	Pkg. 20	15 mm	0.1 mm x 10 m	Grey	PVC
190186	Pkg. 20	15 mm	0.1 mm x 10 m	White	PVC
190187	Pkg. 16	19 mm	0.1 mm x 10 m	Black	PVC
191065	Pkg. 6	50 mm	0.2 mm x 20 m	Black	PVC

TEXTILE TAPE



HC-CARGO	Std pkg	Width	Length	Colour	Material
192366	Pkg. 5	9 mm	25 m	Black	Textile
193231	Pkg. 5	9 mm	25 m	Black	Textile
191237	Pkg. 5	19 mm	25 m	Black	Textile
192755	Pkg. 1	50 mm	50 m	Grey	
193232	Pkg. 1	50 mm	50 m	Grey	

FIELD COIL TAPE

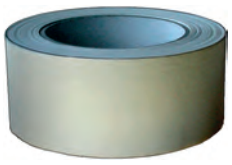


HC-CARGO	Std pkg	Width	Length	Material
193374	Pkg. 500	10 mm	500 m	Polyester
193375	Pkg. 100	20 mm	100 m	Polyester

THREAD SEAL TAPE

HC-CARGO	Std pkg	Thickness	Length	Colour	Material
192379	Pkg. 10	12 mm	12 m	Black	PTFE

MASKING

	HC-CARGO	Std pkg	Width	Length
	**200005**	Pkg. 1	25 mm	50 m
	200004	Pkg. 1	50 mm	50 m

ADHESIVE

SILICONE COMPOUND

134686 Dielectric Gel Std pkg 1

Prevents fusing of spark wires and corrosion. Odourless, non-volatile. Works in extreme temperatures. Resists moisture, air, acids and alkalines.

Content: 142

Alternativ no.: 232776

200094 Silicone Compound Std pkg 1

Used for motors, windshield and sunroof.

Content: 85

SURFACE CLEANING

200300 Glass beads 300-400 micron Std pkg 25

Used for sand blowing. Used for surface treatment eg. cleaning, fine trimming, deburring and tumbling.

Length: 25 mm
Grades: 300-400
Grades 2: 0.3-0.4

Material: Glass
Alternativ no.: B200300

200400 Steel Shot Std pkg 25

Used for sand blowing. Used for surface treatment eg. cleaning, fine trimming, deburring and tumbling.

Length: 25 mm
Grades: 300-500
Grades 2: 0.3-0.5

Material: Steel
Approval: SAEJ444

200500 Steel Shot Std pkg 25

Used for sand blowing. Used for surface treatment eg. cleaning, fine trimming, deburring and tumbling.

Length: 20 mm
Grades: 212-600
Grades 2: 0.2-0.6

Material: Steel

ABRASIVE CLOTHS

	HC-CARGO	Std pkg	Grades	Width	Length	Type
A flexible resin bonded aluminium oxide cloth for general purpose work shop use.						
	200721	Pkg. 1	P40	40 mm	50 m	Rolls
	200722	Pkg. 1	P60	40 mm	50 m	Rolls
	200723	Pkg. 1	P80	40 mm	50 m	Rolls
	200734	Pkg. 1	P120	40 mm	50 m	Rolls
	200810	Pkg. 1	P180	40 mm	50 m	Rolls

OIL & GREASE

BEARING GREASE

200746 Molykote br2+ Bearing Grease Std pkg 1

Molykote BR 2 plus universal heavy duty grease provides:
- *Reduction of wear*
- *Emergency lubrication*
- *Higher operational reliability*
- *Extended lubrication intervals even under high loads and difficult running conditions. Molykote BR 2 plus is suitable for a wide temperature range; it is resistant to oxidation and resist hot and cold water. It also has good corrosion-inhibiting properties.*

Range of application

Molykote BR 2 plus can be used wherever grease lubrication is normally applied, e.g. for:
- *All types of antifriction bearings*
- *Plain bearings and guides*
- *Joints and splined shafts*
- *Threaded spindles and small gear units at low speeds and all bearings subject to severe impact loads or exposed to extreme atmospheric conditions*
- *For chassis lubrication on motor vehicles.*

Content: 100 g

200748 Molykote 33 Bearing Grease Std pkg 1

Molykote 33 is used to lubricate ball and sometimes roller bearings operating under light to moderate loads and at low to medium speeds. Typical applications include: Starter drives, freezer, car casters and cold room conveyor equipment. Maximum demand meters, power factor meters, watt-hour meters, windshield wiper motor gears.

Content: 100 g

200749 Molykote 33 Bearing Grease Std pkg 1

Molykote 33 is used to lubricate ball and sometimes roller bearings operating under light to moderate loads and at low to medium speeds. Typical applications include: Starter drives, freezer, car casters and cold room conveyor equipment. Maximum demand meters, power factor meters, watt-hour meters, windshield wiper motor gears.

Content: 1 kg

HEAT TRANSFER COMPOUND

200618 Heat Transfer Compound Std pkg 1

Heat transfer grease is a grease-like silicone material heavily filled w/ head conductive metal oxides. This material maintains a positive heat sink seal that transfer from electrical and electronic devices to the heat sink or chassis. Used where heat dissipation is required.

Content: 142 g

MULTI PURPOSE GREASE

200745 Multi Purpose Grease — Std pkg 1

Universal grease for general and industrial use. For small and mediumsized bearings, even under demanding conditions. Has water repellent properties and protects against corrosion. Used in: agricultural machinery, motor wheel bearings, small electric motors, conveyor systems etc.

Content: 200 g

200747 Multi Purpose Grease — Std pkg 1

Molykote BR 2 plus universal heavy duty grease provides:
- *Reduction of wear*
- *Emergency lubrication*
- *Higher operational reliability*
- *Extended lubrication intervals even under high loads and difficult running conditions. Molykote BR 2 plus is suitable for a wide temperature range; it is resistant to oxidation and resist hot and cold water. It also has good corrosion-inhibiting properties.*

Range of application

Molykote BR 2 plus can be used wherever grease lubrication is normally applied, e.g. for:
- *All types of antifriction bearings*
- *Plain bearings and guides*
- *Joints and splined shafts*
- *Threaded spindles and small gear units at low speeds and all bearings subject to severe impact loads or exposed to extreme atmospheric conditions*
- *For chassis lubrication on motor vehicles.*

Content: 1 kg

DRY BATTERIES

CARBON-ZINC

200735 Battery — Std pkg 4

Voltage: 1.5 | **Dim.:** 13.9x50 mm

ASA type: AA
Battery type: Carbon-Zinc
IEC type: R6
Heavy duty: Yes
Mercury: w/o
Cadmium: w/o

ALKALINE

200601 Battery — Std pkg 1

GP 23AE-C1 Ultra FRP 20/400.

Voltage: 12 | **Dim.:** 10x28 mm

Battery type: Ultra Alkaline
IEC type: GA23

200738 Batteries AAA — Std pkg 4 — **Servicing:** HC-CARGO 171749, 171805, 172089, 172103, 172104

Voltage: 1.5 | **Dim.:** 10.5x44.5 mm

ASA type: AAA
Battery type: Alkaline
IEC type: LR03
Mercury: w/o
Cadmium: w/o

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
200739 Battery — Std pkg 4 — **Servicing:** HC-CARGO 171797			
	Voltage: 1.5	**Dim.:** 14.5x50.5 mm	**ASA type:** AA **Battery type:** Alkaline **IEC type:** LR6 **Mercury:** w/o **Cadmium:** w/o
200740 Battery — Std pkg 2 — **Servicing:** HC-CARGO 171787			
	Voltage: 1.5	**Dim.:** 25.4x49.5 mm	**ASA type:** C **Battery type:** Alkaline **IEC type:** LR14 **Mercury:** w/o **Cadmium:** w/o
200741 Battery — Std pkg 2 — **Servicing:** HC-CARGO 170353, 170683			
	Voltage: 1.5	**Dim.:** 33x60.3 mm	**ASA type:** D **Battery type:** Alkaline **IEC type:** LR20 **Mercury:** w/o **Cadmium:** w/o
200742 Battery — Std pkg 1 — **Servicing:** HC-CARGO 171464, 171466			
Digital Multimeter: HC-CARGO 210977.			
	Voltage: 9	**Dim.:** 25.5x16.5x47 mm	**Battery type:** Alkaline **IEC type:** 6LR61
200792 Battery — Std pkg 2			
	Voltage: 1.5	**Dim.:** 11.7x29.1 mm	**ASA type:** N **Battery type:** Alkaline **IEC type:** LR1 **Mercury:** w/o **Cadmium:** w/o
200808 Battery — Std pkg 2			
	Voltage: 1.5	**Dim.:** 42.5x8.3 mm	**ASA type:** AAAA **Battery type:** Alkaline **IEC type:** LR61 **Mercury:** w/o **Cadmium:** w/o

HIGH VOLTAGE

200776 Battery — Std pkg 1			
Major applications: Electronic instruments, photo and remote control. High voltage.			
	Voltage: 6	**Dim.:** 10x16 mm	**Battery type:** Alkaline **IEC type:** 4LR23 **Replaces:** Duracell: MN11

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

200777 Battery — Std pkg 1

Major applications: Electronic instruments, photo and remote control. High voltage. 27 Amp.

Voltage: 12 | **Dim.:** 7.7x28 mm

Battery type: Alkaline
IEC type: MN27
Replaces: Duracell: MN27

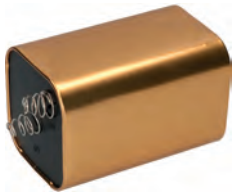
200791 Battery — Std pkg 1

Major applications: Electronic instruments, photo and remote control. High voltage.

Voltage: 6 | **Dim.:** 13x25.2 mm

Battery type: Alkaline
IEC type: 4LR44
Replaces: Duracell: PX28a

200899 Battery — Std pkg 1



Voltage: 6 | **Dim.:** 66x66x111 mm

Battery type: Alkaline
IEC type: 4LR25
Heavy duty: Yes
Alternativ no.: 200796

LITHIUM

200828 Lithium Battery — Std pkg 1

Major applications: Torch light and photo.

Voltage: 3
Miliamp: 1400

Dim.: 16.8x34.5 mm

200848 Lithium Battery — Std pkg 1

Voltage: 3
Miliamp: 160

Dim.: 11.6x10 mm

Battery type: Lithium

BUTTON

200772 Battery — Std pkg 10

Major applications: computer memory backup, photo, remote control and watch.

Voltage: 3
Miliamp: 90

Dim.: 20x1.6 mm

Battery type: Lithium
IEC type: CR2016

200773 Battery — Std pkg 10

Major applications: computer memory backup, photo, remote control and watch.

Voltage: 3
Miliamp: 36

Dim.: 12.5x2 mm

Battery type: Lithium
IEC type: CR1220

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
200774 Battery Std pkg 10			
Major applications: computer memory backup, photo, remote control and watch.			
	Voltage: 3 **Miliamp:** 160	**Dim.:** 20x2.5 mm	**Battery type:** Lithium **IEC type:** CR2025
200775 Battery Std pkg 10			
Major applications: computer memory backup, photo, remote control, watch and digital sliding gauge.			
	Voltage: 3 **Miliamp:** 220	**Dim.:** 20x3.2 mm	**Battery type:** Lithium **IEC type:** CR2032
200778 Battery Std pkg 10			
Major applications: calculator, photo, remote control and watch.			
	Voltage: 1.5 **Miliamp:** 190	**Dim.:** 15.6x5.95 mm	**Battery type:** Alkaline **IEC type:** LR9 **Replaces:** Varta: V625U, Duracell: PX625A
200779 Battery Std pkg 10			
Major applications: calculator, photo, watch and digital sliding gauge.			
	Voltage: 1.55 **Miliamp:** 130	**Dim.:** 11.6x5.4 mm	**Battery type:** Mercury **IEC type:** SR44 **Replaces:** Varta: V357, Duracell: D357
200802 Battery Std pkg 5			
Major applications: computer memory backup, photo, remote control, watch and digital sliding gauge.			
	Voltage: 3 **Miliamp:** 7.8	**Dim.:** 16x2 mm	**Battery type:** Lithium **IEC type:** CR1620
200813 Battery Std pkg 10			
Major applications: computer memory backup, photo, remote control and watch.			
	Voltage: 3 **Miliamp:** 140	**Dim.:** 16x3.2 mm	**Battery type:** Lithium **IEC type:** CR1632
200846 Battery Std pkg 10			
Major application: Eberspächer heater.			
	Voltage: 3 **Miliamp:** 300	**Dim.:** 24x3 mm	**Battery type:** Lithium **IEC type:** CR2430

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

200854 Battery — Std pkg 10

Major applications: computer memory backup, photo, remote control and watch.

Voltage: 3
Miliamp: 55
Dim.: 16x1.6 mm
Battery type: Lithium
IEC type: CR1616

200858 Battery — Std pkg 10 — **Servicing:** HC-CARGO 253489

For calculator, photo, clock and IA.

Voltage: 1.5
Miliamp: 160
Dim.: 7.9x3.48 mm
Battery type: Alkaline
IEC type: LR41

200898 Battery — Std pkg 10

Major applications: computer memory backup, photo, remote control and watch.

Voltage: 3
Miliamp: 610
Dim.: 24.5x5 mm
Battery type: Lithium
IEC type: CR2450

RECHARGEABLE

200766 ReCyco Battery — Std pkg 4

Voltage: 1.2
Miliamp: 2600
Dim.: 14.5x50.5 mm
ASA type: AA
Battery type: NIMH
IEC type: RC06

200769 Battery — Std pkg 1 — **Servicing:** HC-CARGO 171464, 171466

Voltage: 8.4
Miliamp: 200
Dim.: 15.7x26.5x48 mm
Battery type: NIMH
IEC type: 9 V

200851 ReCyco Battery — Std pkg 4

New generation of rechargeable batteries. Recyco batteries have a superior charge retention capability. Comes precharged and ready to use right out of the pack.

Voltage: 1.2
Miliamp: 800
Dim.: 10.5x44.5 mm
ASA type: AAA
Battery type: NIMH
IEC type: RC03

200852 ReCyco Battery — Std pkg 4 — **Servicing:** HC-CARGO 200853

Voltage: 1.2
Miliamp: 2000
Dim.: 14.5x50 mm
ASA type: AA
Battery type: NIMH
IEC type: RC06

BATTERY CHARGER

200771 Battery Charger — Std pkg 1

For AA, AAA, C, D and 9 V NIMH batteries. 7 hours to full charge. w/ automatic timer cut-out on full charge.

Dim.: 178x97x57 mm
Weight: 0.5 kg

Auto stop: Yes

200853 ReCyco Battery Charger — Std pkg 1

For AA and AAA NIMH batteries. Individual charging channels, damaged battery detection, car charging function, universal voltage for worldwide use. Can charge 1-4 AA batteries or AAA batteries. Supplied w/ 4 pcs AA batteries (HC-CARGO 200852).

Dim.: 116x72.5x32 mm
Weight: 0.5 kg

Auto stop: Yes

PROTECTING CAPS, TUBES & PLUGS

PROTECTING CAPS

HC-CARGO	Std pkg	ID/cone	OD/cone	Height	Type no.	Colour	Material
191364	Pkg. 100	3.2/4 mm	4.8/5.5 mm	5.7 mm	3	Red	Polyethylen
191365	Pkg. 100	4.5/5.3 mm	6/6.7 mm	5.9 mm	5	Red	Polyethylen
191366	Pkg. 100	5/5.6 mm	6.8/7.4 mm	6.8 mm	6	Red	Polyethylen
192131	Pkg. 100	6.2/7.6 mm	5/5.9 mm	9.5 mm	7	Red	Polyethylen
191367	Pkg. 100	6/7.1 mm	7.6/8.5 mm	8 mm	8	Red	Polyethylen
191368	Pkg. 100	6.9/7.9 mm	8.3/9.4 mm	9 mm	10	Red	Polyethylen
191369	Pkg. 100	8.2/9.5 mm	10.1/11 mm	9.9 mm	12	Red	Polyethylen
191370	Pkg. 100	9/10.8 mm	10.8/12.5 mm	9.6 mm	15	Red	Polyethylen
191371	Pkg. 100	10.1/11.3 mm	11.4/12.8 mm	9.8 mm	16	Red	Polyethylen
191642	Pkg. 100	10.6/12.1 mm	12/13.8 mm	11.1 mm	17	Red	Polyethylen
191372	Pkg. 100	11.5/13 mm	13.1/14.5 mm	11.1 mm	18	Red	Polyethylen
191373	Pkg. 100	12.4/14 mm	13.9/15.4 mm	12 mm	20	Red	Polyethylen
191374	Pkg. 100	13/14.7 mm	14.2/15.7 mm	12.8 mm	25	Red	Polyethylen
191375	Pkg. 100	14/15.5 mm	14.9/16.8 mm	12.8 mm	27	Red	Polyethylen
191480	Pkg. 100	15.8/17.6 mm	17.2/18.9 mm	14 mm	30	Red	Polyethylen
191376	Pkg. 100	16.4/18.8 mm	18.2/20.2 mm	13.9 mm	35	Red	Polyethylen

THREADED PROTECTION CAP

HC-CARGO	Std pkg	Thread	Height	Colour	Material
191862	Pkg. 100	M8-1	10 mm	Red	Polyethylen
191863	Pkg. 100	M10-1	10 mm	Red	Polyethylen
191864	Pkg. 100	M12-1	12 mm	Red	Polyethylen
191865	Pkg. 100	M12-1.5	12 mm	Red	Polyethylen
191866	Pkg. 100	M14-1.5	11.9 mm	Yellow	Polyethylen

THREADED PLUG

HC-CARGO	Std pkg	Thread	Colour	Material
191857	Pkg. 100	M8-1	Red	Polyethylen
191858	Pkg. 100	M10-1	Red	Polyethylen
191859	Pkg. 100	M12-1	Red	Polyethylen
191860	Pkg. 100	M12-1.5	Red	Polyethylen
191861	Pkg. 100	M14-1.5	Red	Polyethylen

PROTECTING TUBES

PLASTIC

	HC-CARGO	Std pkg	ID	OD	Height	Colour	Material
	191392	Pkg. 100	10 mm	14 mm	10 mm	Transparent	Plastic

PAPER

	HC-CARGO	Std pkg	ID	OD	Height	Material
	191390	Pkg. 100	16.4 mm	18.4 mm	17 mm	Cardboard
	191391	Pkg. 500	19.5 mm	22.4 mm	14 mm	Cardboard

RUBBER CAPS

192988 Rubber Cap — Std pkg 250

ID: 4.8 mm
Length: 12.8 mm

Colour: Black
Material: EPDM rubber

ASSEMBLY PARTS

SEALS & WIRE

080751 Seal Wire — Std pkg 100

Length: 210 mm

081006 Seal — Std pkg 100

OD: 9 mm

Colour: Red
Material: Plastic

VALVES

080108 Overflow Valve — Std pkg 1

Thread: M14-1.5-
Pressure: 0.5-1 bar

080109 Overflow Valve — Std pkg 1

Thread: M14-1.5-
Pressure: 1.3-1.8 bar

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
080111 Overflow Valve Std pkg 1			
Can be used w/ petrol & E85.			
		Thread: M14-1.5- **Pressure:** 1.3-1.8 bar	
080213 Overflow Valve Std pkg 1			
		Thread: M12x1.5	
080250 Overflow Valve Std pkg 1			
		Thread: M14-1.5- **Pressure:** 1.2-1.5 bar	
080690 Overflow Valve Std pkg 1			
		Thread: M14-1.5	**Calibrated:** Yes
080784 Overflow Valve Std pkg 1			
Aluminium. Can be used w/ petrol & E85.			
		Hose connection: 6 mm **Pressure:** 1.5-2 bar	
080785 Overflow Valve Std pkg 1			
Can be used w/ petrol & E85.			
		Hose connection: 8 mm **Pressure:** 1.5-2 bar	
080786 Overflow Valve Std pkg 1			
Can be used w/ petrol & E85.			
		Hose connection: 10 mm **Pressure:** 1.5-2 bar	
081111 Overflow Valve Std pkg 1			
		Hose connection: 12 mm **Pressure:** 1.5-2 bar	

JOINTS

ANGLE

HC-CARGO	Std pkg	Thread	
080653	Pkg. 5	M5-0.8	*Type AS w/ threaded journal, hex nut and lock pin. DIN 71802.*
080629	Pkg. 1	M6x1	*Type AS w/ threaded journal, hex nut and lock pin. DIN 71802.*
080654	Pkg. 5	M6x1x10	*Type AS w/ threaded journal, hex nut and lock pin. DIN 71802.*
080655	Pkg. 5	M8x1.25	*Type AS w/ threaded journal, hex nut and lock pin. DIN 71802*
080656	Pkg. 1	M10x1.5	*Type AS w/ threaded journal, hex nut and lock pin. DIN 71802.*
080657	Pkg. 1	M12x1.75	*Type AS w/ threaded journal, hex nut and lock pin. DIN 71802.*

FORK BOLTS

HC-CARGO	Std pkg	OD	Length
080662	Pkg. 10	6 mm	19.5 mm
080663	Pkg. 10	8 mm	22 mm
080664	Pkg. 10	10 mm	29 mm

IN LINE

HC-CARGO	Std pkg	Thread
080744	Pkg. 1	M6-1
080745	Pkg. 1	M8-1

FORK HEADS

HC-CARGO	Std pkg	Thread	Length	Slot wide
080659	Pkg. 1	M6 mm	31 mm	6 mm
080660	Pkg. 1	M8 mm	42 mm	8 mm
080661	Pkg. 1	M8 mm	58 mm	8 mm

NIPPLES

DOUBLE

Hose type: Normal fuel hose

HC-CARGO	Std pkg	Bolt size	ID/demister tube connection	Type
080245	Pkg. 5	8 mm	6 mm	Dual
080863	Pkg. 5	10 mm	8 mm	Dual
080246	Pkg. 5	12 mm	8 mm	Dual
080247	Pkg. 5	14 mm	10 mm	Dual

DIN 7622

Hose type: Normal fuel hose

HC-CARGO	Std pkg	Bolt size	ID/demister tube connection	Type
080795	Pkg. 5	8 mm	4 mm	Single
080237	Pkg. 5	8 mm	6 mm	Single
080239	Pkg. 5	10 mm	7 mm	Single
080678	Pkg. 5	10 mm	8 mm	Single
080240	Pkg. 5	12 mm	7 mm	Single
080241	Pkg. 5	12 mm	9 mm	Single
080679	Pkg. 5	12 mm	10 mm	Single
080238	Pkg. 5	14 mm	6 mm	Single
080242	Pkg. 5	14 mm	9 mm	Single
080243	Pkg. 5	14 mm	11 mm	Single
080002	Pkg. 5	16 mm	10 mm	Single
080003	Pkg. 5	16 mm	12 mm	Single
080239	Pkg. 5	1/2" mm	8 mm	Single

T-CONNECTOR

HC-CARGO	Std pkg	Hose ID
080836	Pkg. 5	4 mm
080838	Pkg. 5	6 mm
080839	Pkg. 5	8 mm

PIPE NIPPLES

HC-CARGO	Std pkg	Hose ID
080270	Pkg. 5	6 mm
080271	Pkg. 5	8 mm
080272	Pkg. 5	10 mm
080273	Pkg. 5	12 mm

HOLLOW SCREWS

HC-CARGO	Std pkg	Thread	Bore	Type
080575	Pkg. 10	M6-1		Drain bolt
080251	Pkg. 10	M8-1	4.2 mm	Ordinary
080001	Pkg. 10	M10-1.25	4 mm	Ordinary
081116	Pkg. 5	M10-1.5	4 mm	Ordinary
080252	Pkg. 1	M10-10.1	4 mm	Ordinary
080254	Pkg. 10	M12-1.5	6 mm	Ordinary
080255	Pkg. 10	M14-1.5	8 mm	Ordinary
080256	Pkg. 10	M16-1.5	9 mm	Ordinary
080812	Pkg. 10	1/2"-20 UNF	6 mm	Ordinary

EYE UNION

POLYAMID TUBES

Hose type: Polyamid hose

HC-CARGO	Std pkg	Thread	Bore	Type
080627	Pkg. 5	12 mm	8 mm	Single
080283	Pkg. 5	14 mm	8 mm	Single
080284	Pkg. 5	14 mm	10 mm	Single

RETAINING RINGS FOR SHAFT AND BORES

LOCK RINGS

EXTERNAL

HC-CARGO	Std pkg	OD/housing	DIN norm	Material
191799	Pkg. 100	14 mm	471	Steel spring
191270	Pkg. 100	15 mm	471	Steel spring
191816	Pkg. 100	17 mm	471	Steel spring
191271	Pkg. 100	18 mm	471	Steel spring
191333	Pkg. 100	19 mm	471	Steel spring
191272	Pkg. 100	20 mm	471	Steel spring
191273	Pkg. 100	21 mm	471	Steel spring
191274	Pkg. 100	22 mm	471	Steel spring
191275	Pkg. 100	24 mm	471	Steel spring
191276	Pkg. 100	25 mm	471	Steel spring
191914	Pkg. 100	26 mm	471	Steel spring

CIRCLIPS

HC-CARGO	Std pkg	OD/housing	DIN norm	Material
191277	Pkg. 100	3.2 mm	6799	Steel spring
192707	Pkg. 100	4 mm	6799	Steel spring
191278	Pkg. 100	6 mm	6799	Steel spring
191279	Pkg. 100	8 mm	6799	Steel spring
191280	Pkg. 100	9 mm	6799	Steel spring
191573	Pkg. 100	7 mm	6799	Steel spring

SPRING PINS

135061 Spring Pin — Std pkg 5

For mounting bushing.

ID: 11.5 mm
OD: 14 mm
Length: 50 mm

Material: Steel spring
Heat treated: Yes
DIN norm: 7336
ISO norm: 13337

192814 Spring Pin — Std pkg 100

ID: 8.5 mm
OD: 10.5 mm
Length: 14 mm

Material: Steel spring
Heat treated: Yes
Heavy duty: No
DIN norm: 7336
ISO norm: 13337

230858 Spring Pin — Std pkg 5

ID: 8 mm
OD: 10 mm
Length: 25.4 mm

Material: Steel spring
Heat treated: Yes
DIN norm: 7336
ISO norm: 13337

BRASS OLIVES

HC-CARGO	Std pkg	ID
080278	Pkg. 10	5 mm
080279	Pkg. 10	6 mm
080280	Pkg. 10	8 mm
080281	Pkg. 10	10 mm

TOOLS

HSS DRILLS

TWIST

HC-CARGO	Std pkg	OD	DIN norm	Material	Type
210141	Pkg. 10	1 mm	338	High Speed Steel	N
210142	Pkg. 10	1.5 mm	338	High Speed Steel	N
210143	Pkg. 10	2 mm	338	High Speed Steel	N
210144	Pkg. 10	2.5 mm	338	High Speed Steel	N
210145	Pkg. 10	3 mm	338	High Speed Steel	N
210146	Pkg. 10	3.3 mm	338	High Speed Steel	N
210164	Pkg. 10	3.5 mm	338	High Speed Steel	N
210147	Pkg. 10	4 mm	338	High Speed Steel	N
210148	Pkg. 10	4.5 mm	338	High Speed Steel	N
210149	Pkg. 10	5 mm	338	High Speed Steel	N
210150	Pkg. 10	5.5 mm	338	High Speed Steel	N
210151	Pkg. 10	6 mm	338	High Speed Steel	N
210152	Pkg. 10	6.5 mm	338	High Speed Steel	N
210153	Pkg. 10	7 mm	338	High Speed Steel	N
210154	Pkg. 10	7.5 mm	338	High Speed Steel	N
210155	Pkg. 5	8 mm	338	High Speed Steel	N
210156	Pkg. 5	8.5 mm	338	High Speed Steel	N
210157	Pkg. 5	9 mm	338	High Speed Steel	N
210158	Pkg. 5	9.5 mm	338	High Speed Steel	N
210159	Pkg. 5	10 mm	338	High Speed Steel	N
210160	Pkg. 5	10.5 mm	338	High Speed Steel	N

ASSORTMENT

210140 Drill Assortment — Std pkg 1

Contains 19 drills from 1-10 mm.

Type: HSS

SOLDERING

SOLDER

200838 Solder — Std pkg 1

99.3% tin. 0.7% copper. Unleaded. Max. 3% Flux.

OD: 2 mm
Content: 1 kg

200850 Solder — Std pkg 1

99.3% tin. 0.7% copper. Unleaded. Max. 3% Flux.

OD: 1 mm
Content: 500 g

SILVER

200790 Ribbon Silver Solder — Std pkg 1

125 g.

Width: 6 mm

IRONS

210897 Soldering Iron — Std pkg 1

HRT soldering irons are a patented technical innovation. An armoured teating element af very compact design is located in the heart of the tip and compared to the traditional method, this provides: A reduction of energy consump-tion by 25 to 35 % at equivalent power. 230 V. AC. Soldering capacity: Wires max. 7 mm, metal max. 7 mm. Soldering Tip: HC-CARGO 210903.

Voltage: 230
Watt: 75

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

210898 Soldering Iron Std pkg 1

HRT soldering irons are a patented technical innovation. An armoured teating element af very compact design is located in the heart of the tip and compared to the traditional method, this provides: A reduction of energy consump-tion by 25 to 35 % at equivalent power. 230 V. AC. Soldering capacity: Wires max. 7 mm, metal max. 7 mm. Soldering Tip: HC-CARGO 210903.

Voltage: 230
Watt: 100

210899 Soldering Iron Std pkg 1

Soldering capacity: Wires max. 12 mm, metal max. 15 mm. Tip: HC-CARGO 210904. Heating element: HC-CARGO 210902.

Voltage: 230
Watt: 125

210910 Soldering Iron Std pkg 1

HRT soldering irons are a patented technical innovation. An armoured teating element af very compact design is located in the heart of the tip and compared to the traditional method, this provides: A reduction of energy consump-tion by 25 to 35 % at equivalent power. 230 V. AC. Soldering capacity: Wires max. 12 mm, metal max. 15 mm. Tip: HC-CARGO 210904. Heating element: HC-CARGO 210902.

Voltage: 230
Watt: 200

211090 Soldering Gun Std pkg 1

Tip: HC-CARGO 211092.

Voltage: 230
Watt: 250

211106 Gas Soldering Iron Std pkg 1

Max. temperature 1371°C when used as a torch. Max. temperature 510°C, when used for soldering. Tip: HC-CARGO 211107, -108, -109, -110.

SPARE PARTS

210901 Heating Element Std pkg 1 **Servicing:** HC-CARGO 210898

Voltage: 230
Watt: 100

		EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS
210902 Heating Element	Std pkg 1	**Servicing:** HC-CARGO 210899		
		Voltage: 230 **Watt:** 125		
210903 Soldering Tip	Std pkg 1	**Servicing:** HC-CARGO 210897		
210904 Soldering Tip	Std pkg 1	**Servicing:** HC-CARGO 210898, 210899		
210911 Heating Element	Std pkg 1	**Servicing:** HC-CARGO 210910		
		Voltage: 230 **Watt:** 200		
210912 Soldering Tip	Std pkg 1	**Servicing:** HC-CARGO 210910		
211092 Soldering Tip	Std pkg 1	**Servicing:** HC-CARGO 211090		
		Voltage: 230 **Watt:** 250		
211107 Soldering Tip	Std pkg 1	**Servicing:** HC-CARGO 211106		
211108 Chisel Tip	Std pkg 1	**Servicing:** HC-CARGO 211106		

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

211109 Soldering Tip — Std pkg 1 — **Servicing:** HC-CARGO 211106

Wedge-shaped.

211110 Hot Knife — Std pkg 1 — **Servicing:** HC-CARGO 211106

WORK GLOVES

LEATHER

HC-CARGO	Std pkg	Size	Approval	Material	Colour
200140	Pkg. 12	9	CE	Grain palm leather	Yellow
200141	Pkg. 12	10	CE	Grain palm leather	Blue
200142	Pkg. 12	11	CE	Grain palm leather	Yellow
200526	Pkg. 12	10	CE	Grain palm leather	Red

RUBBER

Strong quality. For short-blastning etc.

HC-CARGO	Std pkg	Size	Approval	Material	Colour
200787	Pkg. 1	9.5	CE	Rubber	Black
200686	Pkg. 1	10	CE	Rubber	Black

HC-CARGO	Std pkg	Size	Approval	Material	Colour
200831	Pkg. 150	7	CE	Nitrile	Blue
200832	Pkg. 150	8	CE	Nitrile	Blue
200833	Pkg. 150	9	CE	Nitrile	Blue
200834	Pkg. 150	10	CE	Nitrile	Blue

HC-CARGO	Std pkg	Size	Approval	Material	Colour
200890	Pkg. 10	S	CE	Polyurethan	Grey
200891	Pkg. 10	M	CE	Polyurethan	Grey
200892	Pkg. 10	L	CE	Polyurethan	Grey
200893	Pkg. 10	XL	CE	Polyurethan	Grey
200897	Pkg. 10	XXL	CE	Polyurethan	Grey

HC-CARGO	Std pkg	Size	Approval	Material	Colour
200884	Pkg. 10	8	CE	Polyurethan	Red
200885	Pkg. 10	9	CE	Polyurethan	Red
200886	Pkg. 10	10	CE	Polyurethan	Red
200887	Pkg. 10	11	CE	Polyurethan	Red

COTTON & VINYL

HC-CARGO	Std pkg	Size	Approval	Material	Colour
200805	Pkg. 10	8	CE	Cotton	White
200640	Pkg. 10	10	CE	Cotton	White

	HC-CARGO	Std pkg	Size	Approval	Material	Colour	
	200655	Pkg. 12	8	CE	Nitrile	White/Grey	*w/ rib.*
	200685	Pkg. 12	10	CE	Nitrile	White/Grey	*w/ rib.*
	200869	Pkg. 100	10	CE	Vinyl	Transparent	

LATEX

	HC-CARGO	Std pkg	Size	Approval	Material	
	200687	Pkg. 100	8	CE	Latex	*Universal.*
	200688	Pkg. 100	9	CE	Latex	*Universal.*

SAFETY GLASSES

253488 UV Glasses — Std pkg 1

Size: One size

PROTECTING MASKS

200144 Protective Face Mask — Std pkg 20

Protects against solid particles bigger than 5 mg/m³. Offers no protection against liquid particles, gasses, vapours or oxygen deficiency.

Disposable mask: Yes
Class: FFP1S
Approval: EN149

200624 Protective Face Mask — Std pkg 10

Protects against solid particles bigger than 5 mg/m³. Offers no protection against liquid particles, gasses, vapours or oxygen deficiency.

Disposable mask: Yes
Class: FFP2S
Approval: EN149

HAND LAMPS CONVENTIONAL

SPARE PARTS/ACCESSORIES

171573 Neon tube — Std pkg 1 — **Servicing:** HC-CARGO 200635

Fluorescent twin tube 11 W. Socket PL-S 4P (2G7).

ELWIS

Lumen: 900
Watt: 11

Length: 214 mm

Approval: CE

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

HAND LAMPS LED

172189 LED Hand Lamp — Std pkg 1

Lumen: 300
Watt: 3

Dim.: 55x45x215 mm

Battery type: Li-ion
Bulb type: LED
Magnet holder: w/
Rechargeable: Yes
Lamp head: Yes
Wall charger 230 V: Yes
Charger 12 V: Yes
Approval: CE

172190 LED Hand Lamp UK — Std pkg 1

Lumen: 300
Watt: 3

Dim.: 55x45x215 mm

Battery type: Li-ion
Bulb type: LED
Magnet holder: w/
Rechargeable: Yes
Lamp head: Yes
Wall charger 230 V: Yes
Charger 12 V: Yes
Approval: CE

172234 LED Hand Lamp — Std pkg 1

USB Adapter 230 V: HC-CARGO 181743.

Lumen: 500
Watt: 3

Dim.: 230x60x40 mm

Battery type: Lithium
Bulb type: LED
Magnet holder: w/
Rechargeable: Yes
Lamp head: Yes
Wall charger 230 V: No
Tightness norm: IP 65
Approval: CE
Alternativ no.: 172238

172238 LED Hand Lamp Display — Std pkg 1

USB Adapter 230 V: HC-CARGO 181743.

Lumen: 500
Watt: 3

Dim.: 230x60x40 mm

Battery type: Lithium
Bulb type: LED
Magnet holder: w/
Rechargeable: Yes
Lamp head: Yes
Wall charger 230 V: No
Tightness norm: IP 65
Approval: CE
Pcs.: 12
Alternativ no.: 172234

SPARE PARTS

181743 USB Adapter — Std pkg 1 — **Servicing:** HC-CARGO 172187

Voltage: 5
Amp: 0.5

Approval: CE

THREADED INSERTS

	HC-CARGO	Std pkg	Internal thread	External thread	Length	
	192578	Pkg. 10	M10-1	M12-1	10 mm	*For Glow Plugs.*

WIRE THREAD

HC-CARGO	Std pkg	Thread	Length	
200698	Pkg. 10	M4	6 mm	*For repairing or creating stronger threads.*
200700	Pkg. 10	M5	7.5 mm	*For repairing or creating stronger threads.*
200699	Pkg. 10	M4	8 mm	*For repairing or creating stronger threads.*
200702	Pkg. 10	M6	9 mm	*For repairing or creating stronger threads.*
200701	Pkg. 10	M5	10 mm	*For repairing or creating stronger threads.*
200703	Pkg. 10	M6	12 mm	*For repairing or creating stronger threads.*
200706	Pkg. 10	M8	12 mm	*For repairing or creating stronger threads.*
200709	Pkg. 10	M10	15 mm	*For repairing or creating stronger threads.*
200707	Pkg. 10	M8	16 mm	*For repairing or creating stronger threads.*
200711	Pkg. 10	M12	18 mm	*For repairing or creating stronger threads.*
200713	Pkg. 10	M12-1.25	18 mm	*For repairing or creating stronger threads.*
200708	Pkg. 10	M8	20 mm	*For repairing or creating stronger threads.*
200710	Pkg. 10	M10	20 mm	*For repairing or creating stronger threads.*
200712	Pkg. 10	M10-1.25	20 mm	*For repairing or creating stronger threads.*

DIES AND TAPS

MACHINE

HC-CARGO	Std pkg	Thread	Length	
210789	Pkg. 1	M4	63 mm	*Form A, HSS.*
210790	Pkg. 1	M5	70 mm	*Form A, HSS.*
210791	Pkg. 1	M6	80 mm	*Form A, HSS.*
210793	Pkg. 1	M8	90 mm	*Form A, HSS.*

HOSE CLAMP SCREWDRIVERS

210249 Hose Clamp Screwdriver — Std pkg 1

Flexible.

COMBI TOOLS

210050 Multi Tool — Std pkg 1

Pulley: HC-CARGO 330716. Multi Tool: HC-CARGO 210051.

210051 Multi Tool — Std pkg 1 **Servicing:** HC-CARGO 210050

Freewheel Pulley: HC-CARGO 330716.

210843 Combi Tool — Std pkg 1 **Servicing:** Bosch Alternators - Visit our web catalogue for further information

33 teeth combitool for the disassembly and assembly of the free wheel pulley. XZN 10x110 mm, w/ 1/2" socket and 22 mm hexagon.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

210909 Combi Tool — Std pkg 1 — **Servicing:** Valeo Alternators - Visit our web catalogue for further information

33 teeth combitool for disassembly and assembly of free wheel pulley. Torx 50x110 mm, w/ 1/2" socket and 22 mm hexagon.

210948 Combi Tool — Std pkg 1 — **Servicing:** Audi, VW, MB, SEAT, Skoda - Visit our web catalogue for further information

33 teeth combitool for the disassembly and assembly of the free wheel pulley, XZN 10x135 mm, w/ 1/2" socket and 22 mm hexagon.

211048 Combitool MK2 — Std pkg 1 — **Servicing:** Generators - Visit our web catalogue for further information

211049 Combitool MK3 — Std pkg 1 — **Servicing:** Generators - Visit our web catalogue for further information

211129 Combi Tool set for Freewheel Pulley — Std pkg 1 — **Servicing:** Audi, BMW, Citroen, Chrysler, Fiat, Ford, Mercedes, Mazda, Opel, Peugeot, Porsche, Renault, Saab, Seat, Skoda, Toyota - Visit our web catalogue for further information

For removing/installing of Freewheel Pulley. Combi Tool: HC-CARGO 211130-211152.

211137 Combi Tool — Std pkg 1 — **Servicing:** HC-CARGO 211129

*Combi Tool H15*33T(19.7R).*

211164 Combi Tool — Std pkg 1 — **Servicing:** Volvo - Visit our web catalogue for further information

33 teeth combitool for the disassembly and assembly of the free wheel pulley. 10x49 mm, w/ 10 mm socket and 21 mm hexagon. For Denso Pulleys.

REMOVE/INSTALL

INTERNAL EXTRACTORS

210777 Internal Extractor Std pkg 1

Suitable for extraction of needle/roller bearings, ball bearings, brass sleeves and flame arresters.

Dia.: 5-7 mm

210778 Internal Extractor Std pkg 1

Suitable for extraction of needle/roller bearings, ball bearings, brass sleeves and flame arresters.

Dia.: 7-9 mm

210779 Internal Extractor Std pkg 1

Suitable for extraction of needle/roller bearings, ball bearings, brass sleeves and flame arresters.

Dia.: 9-12 mm

210780 Internal Extractor Std pkg 1

Suitable for extraction of needle/roller bearings, ball bearings, brass sleeves and flame arresters.

Dia.: 10-13 mm

210781 Internal Extractor Std pkg 1

Suitable for extraction of needle/roller bearings, ball bearings, brass sleeves and flame arresters.

Dia.: 13-17 mm

210782 Internal Extractor Std pkg 1

Suitable for extraction of needle/roller bearings, ball bearings, brass sleeves and flame arresters.

Dia.: 14-19 mm

210786 Internal Extractor Std pkg 1

Suitable for extraction of needle/roller bearings, ball bearings, brass sleeves and flame arresters.

Dia.: 25-30 mm

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

UNIVERSAL PULLER

210868 Universal Puller — Std pkg 1

w/ slender hooks. Min.-max. 10-80 mm.

SOLENOID COIL

210567 Mounting Sleeve — Std pkg 1

DRIVE TOOLS

210995 Mounting Pin — Std pkg 1 — **Servicing:** HC-CARGO 210867

OD: 13 mm
Length: 50 mm

210996 Mounting Pin — Std pkg 1 — **Servicing:** HC-CARGO 210867

OD: 13 mm
Length: 70 mm

ADJUSTMENT TOOLS

090153 Test Kit — Std pkg 1 — **Servicing:** Opel, VAG, Ford, Volvo, (TDI), Japanese applications - Visit our web catalogue for further information

Contains: Micrometers O.D. 41 mm, 0.01-5 mm. Mount micrometer: lenght 38 mm. Extension for micrometer: lenght 42 mm. Extension for micrometer: lenght 101 mm. Extender w/ M8-1. Extension cradle M10-1. align tool (VAG). dorn (VAG).

TEST INJECTION PIPES

	HC-CARGO	Std pkg	Screw device	Wall thicknes	Dim.
	090255	Pkg. 1	12&14 mm	2 mm	6×2×600 mm
	090257	Pkg. 1	14&14 mm	1.5 mm	6×3×600 mm

SPECIAL TOOLS

090133 Injector Tester — Std pkg 1

Filter: HC-CARGO 090259. Quick Release Tool: HC-CARGO 090239.

Dim.: 200x516 mm
Piston cycle: 10.5
OD: 14 mm
Fuel cap: 3.2 l
Weight: 15 kg
Pressure: 0-40 mPa
Test quantity:
1600 mm²

090239 Quick Release Tool — Std pkg 1 — **Servicing:** HC-CARGO 090133

Quik connector to the nozzle tester 12x1.5 mm/14x1.5 mm.

090241 Wrench — Std pkg 1 — **Servicing:** Bosch VE pump, Audi, BMW - Visit our web catalogue for further information

For screwhead O.D. 7.5 mm.

090269 Glow Plug Tool — Std pkg 1

Tool set for the drilling af broken off CDI glow plugs M10-1. Contains: torx top E10, 3/8". Single-purpose drill w/ counterbore I.D. 9 mm turned from 5.4 to 4 mm (HC-CARGO 090273.) Special retainer for single-purpose drill. Drill and extraction housing for glow plugs locked.

090273 Glow Plug Drill — Std pkg 1 — **Servicing:** HC-CARGO 090269

9 mm to 5.4 mm to 4 mm.

090372 Hose Press — Std pkg 1

Presses from 6-18 mm OD.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

090409 CR Return Flow Meter Std pkg 1

For measuring af back lift on CR nozzles.

SPARE PARTS

090259 Glass Bowl Kit Std pkg 1 **Servicing:** HC-CARGO 090133

AAE060-01 = plastic bottle-oil Diameter 12 mm Threat high: 7 mm Threat: 1.5 mm AAE060-03 = filter Diameter 12 mm Threat high: 11.5 mm Threat: 1.5 mm

TPMS

211155 TPMS Programming Tool Std pkg 1

Kit contains: Programming tool, 4 sensors w/ valves (HC-CARGO 211159), Charger, User Manual, Adapter (HC-CARGO 211157), USB cable.

Voltage: 5
Amp: 1
Miliamp: Max 90

Dim.: 228x105.5x49.6 mm
Temp./battery: -10 - +55
Temp./charging: -10 - +35
Weight: 475 g

Type: LCD
Charging time: 2.5 h
Power supply: Built-in Lithium Battey

211156 Adapter For ATEQ VT55 / VT56 Std pkg 1

Voltage: 5±0.3
Miliamp: Max 15

Dim.: 84.8x83.8x66.2 mm
Temp. area: -20±60 °C
Temp. area: -20±60 °C
Weight: 125 g

211157 Adapter for TX-PT001 Std pkg 1 **Servicing:** HC-CARGO 211155, 211160, 211161

Voltage: 30
Amp: 1

Dim.: 85x48.5x62.9 mm
Temp. area: -20±60 °C
Temp. area: -20±60 °C
Weight: 56 g

211158 TPMS Sensor US Std pkg 1 **Servicing:** HC-CARGO 211155

TPMS Service Kit: HC-CARGO 211162.

Voltage: 3
Frequency: 315 MHz

Dim.: 78.5x30.8x19 mm
Adjustable: 0-40°
Temp. area: -40±105 °C
Temp. area: -40±105 °C
Weight: 46 g

Type: US
Power supply: Built-in Lithium Battey

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

211159 TPMS Sensor EU — Std pkg 1 — **Servicing:** HC-CARGO 211155

TPMS Service Kit: HC-CARGO 211162.

Voltage: 3
Frequency: 433 MHz

Dim.: 78.5x30.8x19 mm
Adjustable: 0-40°
Temp. area: -40±105 °C
Temp. area: -40±105 °C
Weight: 46 g

Type: EU
Power supply: Built-in Lithium Battey

211160 TPMS Sensor US — Std pkg 1 — **Servicing:** HC-CARGO 211155

TPMS Service Kit: HC-CARGO 211163.

Voltage: 3
Frequency: 315 MHz

Dim.:
80.65x55.28x26.15 mm
Adjustable: 0-40°
Temp. area: -40±105 °C
Temp. area: -40±105 °C
Weight: 38 g

Type: US
Power supply: Built-in Lithium Battey

211161 TPMS Sensor EU — Std pkg 1 — **Servicing:** HC-CARGO 211155

TPMS Service Kit: HC-CARGO 211163.

Voltage: 3
Frequency: 433 MHz

Dim.:
80.65x55.28x26.15 mm
Adjustable: 0-40°
Temp. area: -40±105 °C
Temp. area: -40±105 °C
Weight: 38 g

Type: EU
Power supply: Built-in Lithium Battey

211162 Valve Steam — Std pkg 1 — **Servicing:** HC-CARGO 211158, 211159

211163 Valve — Std pkg 1 — **Servicing:** HC-CARGO 211160, 211161

WORKS AND TEST EQUIPMENT

ANTIFREEZE HYDROMETERS

210052 Antifreeze Tester — Std pkg 1

Glykomat, for ethyleneglycol.

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

210053 Antifreeze Tester Std pkg 1

Gefo Coldomat, for ethyleneglycol.

210771 Refractometer Std pkg 1

Ethylene glycol, propylene glycol, battery liquid, windshield washer fluid. G11, G12, G13.

BATTERY ACID HYDROMETERS

210134 Battery Acid Tester Std pkg 1

TEST PLUGS

210758 Test Plug Std pkg 1 **Servicing:** Commercial vehicles w/ w/o CAN-BUS/check control system - Visit our web catalogue for further information

The test lead makes it possible for one person alone to control the socket from the drivers seat.

Length/test cable: 5 m

Plug type: 13, 12, 11446, 72570, 7, 12N, 12, 1724, 72577, 7/13, Multicon, 12
Can-Bus: Yes
Test cable incl.: Yes

210054 Test Plug Std pkg 1

The test lead makes it possible for one person alone to control the socket from the drivers seat.

Length/test cable: 5 m

Plug type: 7, 12N, 12, 1724, 72577
Test cable incl.: Yes

210869 Test Plug Std pkg 1

Plug type: 7, 12N, 12, 1724, 72577

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

210871 Test Plug — Std pkg 1

Plug type: 13, 12, 11446, 72570

210872 Test Plug — Std pkg 1

The test lead of 5 m allows one person to check the socket from the drivers seat.

Length/test cable: 5 m

Plug type: 13, 12, 11446, 72570
Test cable incl.: Yes

211059 Adaptor — Std pkg 1 — **Servicing:** HC-CARGO 211058 for check of 7 pole and 7/13 multicon sockets

Plug type: 7/13, Multicon, 12, 7, 12N, 12, 1724, 72577

TRAILER LIGHT TESTER

211058 Trailer Socket Tester — Std pkg 1 — **Servicing:** Commercial vehicles w/ w/o CAN-BUS/check control system - Visit our web catalogue for further information

Accessories: HC-CARGO 211059.

Length/test cable: 5 m

Plug type: 13, 12, 11446, 72570
Can-Bus: Yes
Test cable incl.: Yes

211113 Trailer Lighttester 7-pole — Std pkg 1

Used for testing, faultfinding and repair of light installation of trailers, caravans and cars w/o CAN-BUS. Provided w/ built in battery and charger.

Dim.: 225x120 mm

Plug type: 7, 12, 1724, 72577
Colour: White
Material: ABS plastic
Can-Bus: No
Warning lamp: Yes
Batteries incl.: Yes

211114 Trailer Light Tester — Std pkg 1

Testing of light installation on a trailer and caravans w/o CAN-BUS. w/ built-in battery. Comes w/ charger. 13 poles.

Dim.: 225x120 mm

Plug type: 13, 12, 4091, 72570
Colour: White
Material: ABS plastic
Can-Bus: No
Warning lamp: Yes
Batteries incl.: Yes

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

BLADES

210699 Blades — Std pkg 1

ID: 3.2 mm
OD: 7.86 mm
Thread: 0.4

DIGITAL MULTIMETER

210977 Digital Multimeter — Std pkg 1

3.5 digital LCD display. Battery: HC-CARGO 200742. Test Lead: HC-CARGO 210980.

Voltage/DC 1: 200m V/2/20 /200/600 V
Amp/DC: 0.2/2/20 /200mA/15A
Ohm: 200 hm/2/20 /200/2000 KOhm

Dim.: 74x145x40 mm
Reading/max: 1999

Colour: Black
Material: Plastic
HFE transistor: Yes
Batteries incl.: Yes
Battery check: Yes
Diode check: Yes
Test cable incl.: Yes
Approval: CE

211065 AC/DC Clamp Multimeter — Std pkg 1 — **Servicing:** CE/LVD CAT III 600 V - Visit our web catalogue for further information

3 3/4 Digits compact clamp and multimeter for measuring ampere as well as DC & AC voltage. Test Lead: HC-CARGO 210980.

Amp/AC: 400A±2.0%, 1000A±2.5%
Voltage/DC 1: 400 mV/4/40 /400 V±0.5%, 40 mV/600 V±0.8%
Amp/DC: 400A±1.5%, 1000A±2%
Ohm: 400ohm/4/40 /400kohm /4Mohm±1.0%, 40Mohm±2%
Frequency: 1Hz--10MHz±0.1%

Dim.: 220x64x35 mm
Temp.: -20±150 °C
Reading/max: 4000
Capacity: 40nF±3%, 400nF /4µF±2.5%, 40µF±5%, 400/4000µF±20%

Batteries incl.: Yes
Battery check: Yes
Diode check: Yes
Continuity test: Yes
Reading: Yes
LCD display: Yes
C°/F° selection: Yes
Auto power off: Yes
Approval: CE

211101 Smart Multimeter SD-5803 — Std pkg 1

Test leads: HC-CARGO 210980. Fuse: HC-CARGO 192861.

Voltage/DC 1: 4/40/400 V±0.5%, 600 V±0.8%
Ohm: 400ohm/4/40 /400kohm/4Mohm±1%, 40Mohm±2%
Frequency: 1Hz--500kHz±0.1%

Dim.: 152x78x33 mm
Duty cycle: 0.1%--99.9±2.5%
Temp.: 0±40 °C
Reading/max: 4000
Capacity: 40nF/400nF/4µF /40µF±3%, 400µF/4000µF±20%

Batteries incl.: Yes
Diode check: Yes
Continuity test: Yes
Reading: Yes
Test cable incl.: Yes
LCD display: Yes
Smart function: Yes
Auto power off: Yes
Approval: CE

211102 Smart Multimeter SD-5813 — Std pkg 1

CE/LVD CAT III 500 V. Test cable: HC-CARGO 210980. Fuses: HC-CARGO 190285, 192861.

Amp/AC: 40/400mA±2.0%, 4/10A±2.5%
Voltage/DC 1: ±400 mV/4/40 /400 V±0.5%, ± 500 V±0.8%
Amp/DC: 40/400mA±1.2%, 4/10A±2.0%
Ohm: 400ohm/4/40 /400kohm/4Mohm±1.0%, 40Mohm±2.0%
Frequency: 1Hz--500kHz±0.1%

Dim.: 165x83x37 mm
RPM: (0~10.000RPM)±0.1%
Duty cycle: 0.1%--99.9%±2.0%
Dwell angle: ±2%
Temp.: -50±150 °C
Reading/max: 4000
Capacity: 40nF±3%, 400nF /4µF±2.5%, 40µF±5%, 400/4000µF±20%

Batteries incl.: Yes
Battery check: Yes
Diode check: Yes
Continuity test: Yes
Reading: Yes
Test cable incl.: Yes
LCD display: Yes
C°/F° selection: Yes
Smart function: Yes
Auto power off: Yes
Approval: CE

SPARE PARTS

210980 Test Lead — Std pkg 1 — **Servicing:** HC-CARGO 210977, 211065, 211101, 211102

INFRARED THERMOMETER

211128 Infrared Thermometer — Std pkg 1

Used for measurement of surface temperatures which are not suitable for physical contact: 1. high voltage areas, 2. high temperature non-touchable objects. 3. moving objects.

Dim.: 153x101x143 mm
Temp.: -50±380 °C
Weight: 0.147 kg

Colour: Yellow/black
Batteries incl.: No
Reading: Yes
LCD display: Yes
C°/F° selection: Yes
Auto power off: Yes

ACCESSORIES

ALLIGATOR CLIPS

211013 Alligator Clip — Std pkg 10

Conncection for test probes.

Amp: 5

Jaw opening: 11
Length: 50 mm

Type: Positive
Colour: Red

211014 Alligator Clip — Std pkg 10

Conncection for test probes.

Amp: 5

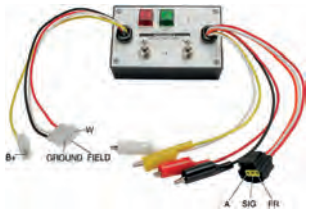
Jaw opening: 11
Length: 50 mm

Type: Negative
Colour: Black

TEST BOX

210878 Tester — Std pkg 1 — **Servicing:** Magneti Marelli, Ford - Visit our web catalogue for further information

To simulate the function of the vehicle computer.



Colour: Black
Material: Plastic

211126 Alternator Tester — Std pkg 1 — **Servicing:** BSS & LIN - Visit our web catalogue for further information

To simulate the function of the vehicle computer.

Voltage/DC 1: 12

SLIDING GAUGE

211045 Vernier Gauge — Std pkg 1

Jaw L. 40 mm. Reading 0.05 mm.

Length: 150 mm
Measuring range: 0-150

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

BATTERY TESTER

211040 Battery Tester — Std pkg 1

Voltage: 12-24

Dim.: 160x43x15 mm
Weight: 0.124 kg

211041 Battery Tester — Std pkg 1

Easy to read digital display.

Voltage: 12/24

Dim.: 180x30x18 mm
Weight: 0.070 kg

211103 Battery Tester — Std pkg 1

Heavy duty copper plated clamps and nickel/chrome plated steel case.

Voltage: 6-12
Amp: 0-100

211124 Battery/Starting/Charging System Analyzer — Std pkg 1

Functions: 1. Check of battery condition. 2. Check of the cold cranking amps of the battery. 3 Check of the starting system. 4. Check of the charging system.

Voltage: 12
Amp/hour: 25-200

Dim.: 119x68x19 mm
Weight: 0.18 kg

Approval: CE

CIRCUIT TESTER

210212 Circuit Tester — Std pkg 1

Bulb (18 V, 3 W): HC-CARGO 170643.

Voltage/DC 1: 6-24

Material: Chromed brass

211042 Circuit Tester — Std pkg 1

Voltage/DC 1: 2.8-48

Dim.: 160x22x16 mm
Weight: 0.027 kg

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

211083 Multi-function Auto Tester Std pkg 1

Features: testing of polarity and continuity. Activating components by post. or neg. voltage. Tester trailer lights and connections. Locate short-circuits. Rocker switch: HC-CARGO 211123.

Voltage/DC 1: 6-24

Length/test cable: 6 m

Test cable incl.: Yes
Alternativ no.: 211165

211094 Circuit Tester Std pkg 1

Wire 1.2 m w/ HD alligator clips and bulb.

Voltage/DC 1: 6/12

211119 Circuit Tester Std pkg 1

Voltage/DC 1: 3-48

Warning lamp: Yes

211122 Circuit Tester Std pkg 1

Computersafe wire 1.2 m w/ alligator clips. Safely tests standard primary automotive circuits and onboard computer controlled electrical system.

Voltage/DC 1: 3-15

Warning lamp: Yes
Approval: CE

211165* Multi-function Auto Tester Std pkg 1

NEW PRODUCT
www.hc-cargo.com

Voltage/DC 1: 12-24

Length/test cable: 6 m

Test cable incl.: Yes
Alternativ no.: 211083

SPARE PARTS

211123 Rocker Switch Std pkg 1 **Servicing:** HC-CARGO 211083, 211097

Voltage: 12/24

Dim.: 20x10x24 mm

Type/terminal: Flat
Button colour: Black
Terminals: 3

170643 Bulb Pinol Std pkg 10 **Servicing:** HC-CARGO 210212, 210212Z, 211153

Voltage: 18
Watt: 3

ID: 8 mm
Length: 31 mm

Type: Festoon

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

ACCESSORIES

211117 Lead Set — Std pkg 1

Contains: 1-3-6 ft. stackable leads. Banana jack adapter. Large piercing probe. Small piercing probe. Alligator clip adapter. Case w/organizer. Probe tip. Male/male adapter. Female/female adapter.

211118 Power Probe — Std pkg 1 — **Servicing:** HC-CARGO 211097

Tip. 3".

SHORT CIRCUIT SEEKER

211091 Short Circuit Seeker — Std pkg 1

The ECT 2000 makes locating short and open circuits easier than ever before. Its advanced digital intelligence puts it above all others. The ECT 2000 detects and alerts you immediately whether a circuit is shorted or open.

A/C PARTS

VALVE CORE

211027 Valve Core Tool — Std pkg 1

211028 Valve Core Tool — Std pkg 1

BITS 1/4"

SLOTTED

39 MM

HC-CARGO	Std pkg	Type	Length
210709	Pkg. 10	8x1.2 mm	39 mm
210710	Pkg. 10	8x1.6 mm	39 mm

PH

25 MM

	HC-CARGO	Std pkg	Type	Length
	210759	Pkg. 10	2	25 mm
	210712	Pkg. 10	3	25 mm

32 MM

	HC-CARGO	Std pkg	Type	Length
	210713	Pkg. 1	4	32 mm
	210744	Pkg. 10	4	32 mm

50 MM

	HC-CARGO	Std pkg	Type	Length
	210853	Pkg. 10	2	50 mm

PZ

25 MM

	HC-CARGO	Std pkg	Type	Length
	210860	Pkg. 10	2	25 mm

50 MM

	HC-CARGO	Std pkg	Type	Length
	210740	Pkg. 10	2	50 mm

TORX

25 MM

	HC-CARGO	Std pkg	Type	Length
	210723	Pkg. 10	T15	25 mm
	210724	Pkg. 10	T20	25 mm
	210725	Pkg. 10	T25	25 mm
	210726	Pkg. 10	T27	25 mm
	210727	Pkg. 10	T30	25 mm

BIT HOLDER

W/RETAINING RING

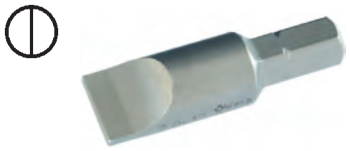
	HC-CARGO	Std pkg	Size	Length
	210755	Pkg. 1	57x6.3 mm	57 mm

MAGNETIC

	HC-CARGO	Std pkg	Size	Length
	210757	Pkg. 1	75x6.3 mm	75 mm

BITS 5/16"

SLOTTED

	HC-CARGO	Std pkg	Size	Length
	**210741**	Pkg. 1	12x2 mm	41 mm

PH

	HC-CARGO	Std pkg	Type	Length
	210743	Pkg. 10	3	32 mm
	210742	Pkg. 10	2	32 mm

TORX

	HC-CARGO	Std pkg	Type	Length
	210745	Pkg. 1	T25	35 mm
	210747	Pkg. 1	T45	35 mm
	210748	Pkg. 1	T50	35 mm
	210905	Pkg. 1	T40	35 mm

FASTENING PARTS

TAPPING SCREWS

POZIDRIV

FLAT HEAD W/GIMLET POINT

	HC-CARGO	Std pkg	Dim.	Type	ISO norm	DIN norm
	192123	Pkg. 200	4.8x16 mm	8	7050	7982

PAN HEAD

	HC-CARGO	Std pkg	Dim.	Type	ISO norm	DIN norm
	192006	Pkg. 200	2.9x9.5 mm	4	7049	7981C
	191753	Pkg. 200	2.9x16 mm	4	7049	7981C
	191798	Pkg. 200	2.9x19 mm	4	7049	7981C
	190360	Pkg. 500	3.5x9.5 mm	6	7049	7981C
	190361	Pkg. 200	3.5x16 mm	6	7049	7981C
	190362	Pkg. 200	3.5x19 mm	6	7049	7981C
	190366	Pkg. 200	4.2x9.5 mm	8	7049	7981C
	192554	Pkg. 200	4.2x13 mm	8	7049	7981C
	190367	Pkg. 200	4.2x16 mm	8	7049	7981C
	190368	Pkg. 200	4.2x19 mm	8	7049	7981C
	190371	Pkg. 200	4.2x25 mm	8	7049	7981C
	190373	Pkg. 200	4.8x19 mm	10	7049	7981C

PAN HEAD W/GIMLET POINT

HC-CARGO	Std pkg	Dim.	Type	ISO norm	DIN norm
192114	Pkg. 200	3.5x13 mm	6	7049	7981
190372	Pkg. 200	4.8x13 mm	10	7049	7981C

HEX

W/FLANGE

HC-CARGO	Std pkg	Dim.	Spanner size	DIN norm
191988	Pkg. 100	6.3x19 mm	10 mm	7976C

HEX SCREWS

FULLY THREADED

EL-PLATED

HC-CARGO	Std pkg	Dim.	Spanner size	ISO norm	DIN norm
192508	Pkg. 500	M4x14 mm	7 mm	4017	933
191293	Pkg. 200	M4x25 mm	7 mm	4017	933
192588	Pkg. 200	M5x6 mm	8 mm	4017	933
192753	Pkg. 200	M5x10 mm	8 mm	4017	933
192255	Pkg. 200	M5x12 mm	8 mm	4017	933
191789	Pkg. 200	M5x14 mm	8 mm	4017	933
190469	Pkg. 200	M5x16 mm	8 mm	4017	933
190470	Pkg. 200	M5x20 mm	8 mm	4017	933
190474	Pkg. 200	M5x40 mm	8 mm	4017	933
191615	Pkg. 200	M5x50 mm	8 mm	4017	933
191644	Pkg. 200	M6x10 mm	10 mm	4017	933
192418	Pkg. 200	M6x12 mm	10 mm	4017	933
190477	Pkg. 200	M6x16 mm	10 mm	4017	933
190478	Pkg. 200	M6x20 mm	10 mm	4017	933
190479	Pkg. 200	M6x25 mm	10 mm	4017	933
190480	Pkg. 200	M6x30 mm	10 mm	4017	933
192063	Pkg. 200	M6x35 mm	10 mm	4017	933
190482	Pkg. 200	M6x40 mm	10 mm	4017	933
191536	Pkg. 100	M6x45 mm	10 mm	4017	933
191854	Pkg. 200	M6x50 mm	10 mm	4017	933
191645	Pkg. 200	M6x65 mm	10 mm	4017	933
190492	Pkg. 200	M8x16 mm	13 mm	4017	933
190493	Pkg. 200	M8x20 mm	13 mm	4017	933
190494	Pkg. 200	M8x25 mm	13 mm	4017	933
190495	Pkg. 200	M8x30 mm	13 mm	4017	933
192251	Pkg. 200	M8x40 mm	13 mm	4017	933
192752	Pkg. 100	M10x12 mm	17 mm	4017	933
190506	Pkg. 200	M10x30 mm	17 mm	4017	933
190508	Pkg. 200	M10x40 mm	17 mm	4017	933
192248	Pkg. 200	M10x50 mm	17 mm	4017	933
192407	Pkg. 200	M12x50 mm	19 mm	4017	933
192404	Pkg. 100	1/4" UNFx7/8"	7/16"	4017	933

EL-PLATED W/ESLOK

HC-CARGO	Std pkg	Dim.	Spanner size	ISO norm	DIN norm
191900	Pkg. 200	M5x16 mm	8 mm	4017	933

PARTLY THREADED

EL-PLATED

HC-CARGO	Std pkg	Dim.	Spanner size	ISO norm	DIN norm
191294	Pkg. 200	M6x80 mm	10 mm	4014	931
190499	Pkg. 200	M8x50 mm	13 mm	4014	931
190500	Pkg. 200	M8x60 mm	13 mm	4014	931
192252	Pkg. 200	M8x70 mm	13 mm	4014	931
192253	Pkg. 200	M8x80 mm	13 mm	4014	931
190511	Pkg. 100	M10x60 mm	17 mm	4014	931
192249	Pkg. 200	M10x70 mm	17 mm	4014	931
190510	Pkg. 100	M10x50 mm	17 mm	4014	931

FLANGE

HC-CARGO	Std pkg	HC-CARGO	Std pkg	Dim.	Spanner size	DIN norm
191325	Pkg. 200	**B191325**	Pkg. 4000	M4x8 mm	7 mm	6921
191326	Pkg. 200	**B191326**	Pkg. 2000	M4x10 mm	7 mm	6921
191327	Pkg. 200	**B191327**	Pkg. 2000	M4x12 mm	7 mm	6921
		B191328	Pkg. 2000	M4x14 mm	7 mm	6921
191329	Pkg. 200	**B191329**	Pkg. 2000	M4x16 mm	7 mm	6921
191330	Pkg. 200	**B191330**	Pkg. 2000	M4x18 mm	7 mm	6921
		B191514	Pkg. 4000	M4x28 mm	7 mm	6921
191545	Pkg. 100			M5x12 mm	8 mm	6921
191546	Pkg. 100			M5x16 mm	8 mm	6921
		B191867	Pkg. 2000	M5x20 mm	8 mm	6921
191772	Pkg. 100			M5x25 mm	7 mm	6921
		B191792	Pkg. 2000	M5x30 mm	8 mm	6921
192416	Pkg. 100			M6x10 mm	10 mm	6921
192425	Pkg. 100			M6x20 mm	10 mm	6921
191987	Pkg. 100			M8x16 mm	13 mm	6921

W/ ESLOK

HC-CARGO	Std pkg	Dim.	Spanner size	DIN norm
192567	Pkg. 200	M5x12 mm	8 mm	6921
192568	Pkg. 200	M5x16 mm	8 mm	6921

W/SPRING WASHER

HC-CARGO	Std pkg	Dim.	Spanner size
192536	Pkg. 100	M5x20 mm	7 mm
192550	Pkg. 100	M5x20 mm	7 mm

MACHINE SCREWS

POZIDRIV

FLAT HEAD

HC-CARGO	Std pkg	HC-CARGO	Std pkg	Dim.	ISO norm	DIN norm
191643	Pkg. 200	**B191643**	Pkg. 2000	M4x18 mm	7046	965
		B192569	Pkg. 1000	M4x18 mm	7046	965
190561	Pkg. 200			M4x20 mm	7046	965
191533	Pkg. 200	**B191533**	Pkg. 2000	M4x22 mm	7046	965
191322	Pkg. 200			M4x25 mm	7046	965
191323	Pkg. 200			M4x30 mm	7046	965
191678	Pkg. 200			M5x16 mm	7046	965
191435	Pkg. 200			M5x35 mm	7046	965
191763	Pkg. 200			M6x20 mm	7046	965
192347	Pkg. 100			M6x30 mm	7046	965

PAN HEAD

HC-CARGO	Std pkg	Dim.	ISO norm	DIN norm
191266	Pkg. 200	M3x5 mm	7045	7985
190531	Pkg. 200	M3x10 mm	7045	7985
192413	Pkg. 200	M3x16 mm	7045	7985
192254	Pkg. 500	M3x20 mm	7045	7985
191586	Pkg. 200	M4x6 mm	7045	7985
191770	Pkg. 200	M4x8 mm	7045	7985
190536	Pkg. 200	M4x10 mm	7045	7985
190537	Pkg. 200	M4x12 mm	7045	7985
191317	Pkg. 200	M4x14 mm	7045	7985
190538	Pkg. 200	M4x16 mm	7045	7985
191318	Pkg. 200	M4x18 mm	7045	7985
190539	Pkg. 200	M4x20 mm	7045	7985
192586	Pkg. 200	M4x22 mm	7045	7985
190540	Pkg. 200	M4x25 mm	7045	7985
190541	Pkg. 200	M4x30 mm	7045	7985
190542	Pkg. 200	M4x40 mm	7045	7985
191319	Pkg. 200	M5x6 mm	7045	7985
191554	Pkg. 200	M5x8 mm	7045	7985
190544	Pkg. 500	M5x10 mm	7045	7985
192145	Pkg. 200	M5x12 mm	7045	7985
192065	Pkg. 200	M5x16 mm	7045	7985
192046	Pkg. 200	M5x20 mm	7045	7985
192216	Pkg. 200	M5x25 mm	7045	7985
190549	Pkg. 200	M5x30 mm	7045	7985
192444	Pkg. 100	M5x35 mm	7045	7985
190550	Pkg. 200	M5x40 mm	7045	7985
191762	Pkg. 200	M5x45 mm	7045	7985
190551	Pkg. 200	M5x50 mm	7045	7985
191267	Pkg. 200	M5x60 mm	7045	7985
190552	Pkg. 200	M6x10 mm	7045	7985
190556	Pkg. 200	M6x25 mm	7045	7985
190558	Pkg. 200	M6x40 mm	7045	7985

PAN HEAD W/ESLOK

HC-CARGO	Std pkg	Dim.	ISO norm	DIN norm
192569	Pkg. 100	M4x18 mm	7046	965
192571	Pkg. 200	M4x22 mm	7046	965

PAN HEAD W/WASHER

HC-CARGO	Std pkg	HC-CARGO	Std pkg	Dim.
191478	Pkg. 100	**B191478**	Pkg. 5000	M4x25 mm

THRU BOLTS

HC-CARGO	Std pkg	Dim.	Thread length
B230731	Pkg. 100	M5x65.3 mm	21.7 mm
191899	Pkg. 20	M5x90 mm	35 mm
191528	Pkg. 20	M5x95 mm	30 mm
191582	Pkg. 20	M5x100 mm	60 mm
B191582	Pkg. 100	M5x100 mm	60 mm
191873	Pkg. 20	M5x120 mm	60 mm
191584	Pkg. 20	M5x125 mm	60 mm
191530	Pkg. 10	M6x79 mm	24.6 mm
191531	Pkg. 10	M6x89.4 mm	25.3 mm
191558	Pkg. 20	M6x95 mm	30 mm
191585	Pkg. 20	M6x95 mm	61.2 mm

TORX

FLAT HEAD

192754 Hex Screw — Std pkg 100

Length: 12 mm
Thread: M8

Head type: Flat head
Screw type: Torx
ISO norm: 14581

SLOTTED

CHEESE HEAD

HC-CARGO	Std pkg	Dim.	ISO norm	DIN norm
191320	Pkg. 200	M5x8 mm	1207	84A
190545	Pkg. 200	M5x12 mm	1207	84A
191505	Pkg. 200	M5x14 mm	1207	84A
190546	Pkg. 200	M5x16 mm	1207	84A
190547	Pkg. 200	M5x20 mm	1207	84A
191557	Pkg. 200	M5x25 mm	1207	84A
191321	Pkg. 200	M6x12 mm	1207	84A
190555	Pkg. 200	M6x20 mm	1207	84A
192515	Pkg. 200	M6x22 mm	1207	84A

CHEESE HEAD, PHILLIPS

HC-CARGO	Std pkg	Dim.	ISO norm
192364	Pkg. 200	M4x35 mm	7048

FLANGE

HC-CARGO	Std pkg	Dim.
191658	Pkg. 200	M4x6 mm
191677	Pkg. 200	M4x8 mm
191660	Pkg. 200	M5x8 mm
191661	Pkg. 200	M5x10 mm

SOCKET HEAD CAPS

FULLY THREADED

HC-CARGO	Std pkg	Dim.	Quality	ISO norm	DIN norm
192672	Pkg. 100	M4x10 mm	12.9	4762	912
191486	Pkg. 100	M5x14 mm	12.9	4762	912
191613	Pkg. 100	M5x20 mm	12.9	4762	912
192440	Pkg. 100	M5x25 mm	12.9	4762	912
192405	Pkg. 100	M5x45 mm	12.9	4762	912
192591	Pkg. 100	M6x16 mm	12.9	4762	912
191614	Pkg. 100	M6x20 mm	12.9	4762	912
192592	Pkg. 100	M6x25 mm	12.9	4762	912
192594	Pkg. 100	M6x50 mm	12.9	4762	912
192790	Pkg. 1	M7x50 mm	8.8	4762	912

PARTLY THREADED

HC-CARGO	Std pkg	Dim.	Quality
192073	Pkg. 100	M5x55 mm	12.9
192441	Pkg. 100	M5x60 mm	12.9
191539	Pkg. 20	M5x75 mm	12.9

THREAD FORMING

PAN HEAD

HC-CARGO	Std pkg	Dim.	Torx size	Thread length	DIN norm
192727	Pkg. 500	M4x20.52 mm	T20	16 mm	7500

NUTS

HEX

STEEL, DIN 934

HC-CARGO	Std pkg	Dim.	Spanner size	DIN norm
190520	Pkg. 200	M3	5.5 mm	934
190521	Pkg. 200	M4	7 mm	934
190779	Pkg. 200	M5	8 mm	934
190780	Pkg. 200	M6	10 mm	934
190781	Pkg. 200	M7	11 mm	934
190782	Pkg. 200	M8	13 mm	934
191898	Pkg. 25	M10	14 mm	934
190783	Pkg. 200	M10	17 mm	934
191477	Pkg. 200	M12	19 mm	934
191297	Pkg. 200	M12-1.25	19 mm	934
191296	Pkg. 200	M12-1.5	19 mm	934
191298	Pkg. 200	M14-1.5	22 mm	934
191299	Pkg. 200	M16-1.5	24 mm	934
192127	Pkg. 200	UNC 1/4"	7/16" mm	934

STEEL, DIN 439B

HC-CARGO	Std pkg	Dim.	Spanner size	ISO norm	DIN norm
191302	Pkg. 200	M5	8 mm	4035	439B
191303	Pkg. 500	M6	10 mm	4035	439B
191304	Pkg. 200	M8	13 mm	4035	439B
191305	Pkg. 200	M10	17 mm	4035	439B
191439	Pkg. 200	M12	19 mm	4035	439B
192228	Pkg. 100	M14-1.5	22 mm	4035	439B
191657	Pkg. 100	M16-1.5	24 mm	4035	439B

SELF-LOCKING W/NYLON

HC-CARGO	Std pkg	Dim.	Spanner size	DIN norm
190524	Pkg. 200	M5	8 mm	985-6
190525	Pkg. 200	M6	10 mm	985-6
190527	Pkg. 200	M8	13 mm	985-6
190528	Pkg. 200	M10	17 mm	985-6
192143	Pkg. 200	M12	19 mm	985-6

SELF-LOCKING W/FLANGE

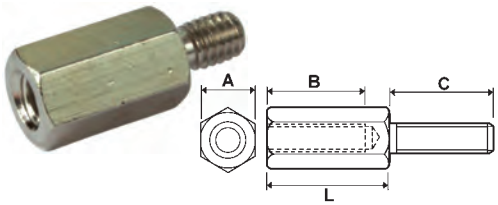
HC-CARGO	Std pkg	HC-CARGO	Std pkg	Dim.	Spanner size
191306	Pkg. 200	**B191306**	Pkg. 5000	M4	7 mm
193502	Pkg. 200			M5	
191307	Pkg. 200	**B191307**	Pkg. 5000	M5	8 mm
191308	Pkg. 200	**B191308**	Pkg. 3000	M6	10 mm
191513	Pkg. 200	**B191513**	Pkg. 2000	M8	13 mm

COUPLING

HC-CARGO	Std pkg	Dim.	Spanner size
192417	Pkg. 200	M6	10 mm
192072	Pkg. 200	M8	13 mm

THREADED SPACERS

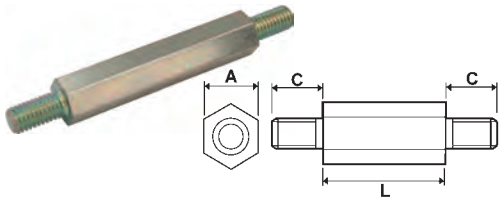
191580 Threaded Spacer — Std pkg 100



A: 7 mm
B: M4x9 mm
C: M4x8 mm
L: 12 mm
Coating: Electro galvanized

Thread type: Inner & Outer
Material: Steel

191625 Threaded Spacer — Std pkg 10



A: 8 mm
C: M5x10 mm
L: 40 mm
Coating: Electro galvanized

Thread type: External
Material: Steel

PARE-FEU

CUIVRE

HC-CARGO	Std pkg	ID	OD	Thickness
080696	Pkg. 10	6.2 mm	9.8 mm	1 mm
080456	Pkg. 10	6.8 mm	14.5 mm	1 mm
080689	Pkg. 10	7 mm	11 mm	1.5 mm
080403	Pkg. 10	7 mm	15 mm	6.7 mm
081173	Pkg. 10	7/7.7 mm	15 mm	1.5 mm
080691	Pkg. 10	7.35 mm	14.95 mm	1.5 mm
080412	Pkg. 10	7.3 mm	14 mm	4.5 mm
080410	Pkg. 10	7.3 mm	14 mm	4.8 mm
080739	Pkg. 10	7.4 mm	13.8 mm	1.55 mm
081067	Pkg. 5	7.4 mm	14.95 mm	1.76 mm
081068	Pkg. 10	7.4 mm	14.95 mm	1.96 mm
080425	Pkg. 10	7.5 mm	15 mm	2 mm

	HC-CARGO	Std pkg	ID	OD	Thickness
	081209	Pkg. 10	7.5 mm	15 mm	2 mm
	081114	Pkg. 10	7.5 mm	15 mm	3 mm
	080397	Pkg. 20	7.5 mm	20 mm	2.7 mm
	081113	Pkg. 10	7.6 mm	13 mm	2.5 mm
	081212	Pkg. 10	7.6 mm	17 mm	3.5 mm
	081115	Pkg. 10	7.75/7.15 mm	15 mm	1.5 mm
	080417	Pkg. 20	7.8 mm	10.8 mm	1.5 mm
	081055	Pkg. 10	7.8 mm	14.95 mm	1.56 mm
	080426	Pkg. 10	8 mm	15 mm	1 mm
	080427	Pkg. 10	8 mm	15 mm	2 mm
	080803	Pkg. 10	8.3 mm	12.9 mm	2.5 mm
	080454	Pkg. 10	9.5 mm	22.5 mm	0.4 mm
	080692	Pkg. 10	9.75 mm	18.7 mm	2 mm
	080428	Pkg. 10	10 mm	15 mm	2 mm
	080431	Pkg. 10	10 mm	16.3 mm	1.5 mm
	080432	Pkg. 10	10 mm	18 mm	1 mm
	080433	Pkg. 10	10 mm	18 mm	1.5 mm
	080436	Pkg. 10	10 mm	19 mm	2 mm
	080441	Pkg. 10	10 mm	20 mm	1 mm
	080442	Pkg. 10	10 mm	20 mm	1.5 mm
	080296	Pkg. 10	10 mm	20 mm	2 mm
	080443	Pkg. 10	10 mm	20 mm	2 mm
	080452	Pkg. 10	10 mm	22 mm	0.7 mm
	080402	Pkg. 20	11 mm	17.5 mm	5.8 mm
	080434	Pkg. 10	12 mm	18 mm	2 mm
	080705	Pkg. 10	12.3 mm	17.9 mm	1.4 mm
	080444	Pkg. 10	14 mm	20 mm	1.8 mm
	080447	Pkg. 10	14 mm	20 mm	2.5 mm
	080446	Pkg. 10	14.3 mm	20 mm	2 mm
	080734	Pkg. 10	14.4 mm	20.8 mm	1.4 mm
	080430	Pkg. 10	14.5 mm	21 mm	1.5 mm
	080688	Pkg. 10	14.5 mm	22.5 mm	1.4 mm
	080448	Pkg. 10	15.3 mm	20 mm	2 mm
	080802	Pkg. 10	15.6 mm	21.2 mm	2.25 mm
	080763	Pkg. 10	15.7 mm	20.5 mm	2 mm
	080761	Pkg. 10	17 mm	20 mm	1.5 mm
	080777	Pkg. 10	17.1 mm	21.2 mm	1.7 mm
	080450	Pkg. 10	17.5 mm	21.5 mm	1.5 mm

FIBRE

	HC-CARGO	Std pkg	ID	OD	Thickness
	080031	Pkg. 10	5 mm	9.5 mm	2 mm
	080033	Pkg. 100	8 mm	15 mm	1.5 mm

ACIER

	HC-CARGO	Std pkg	ID	OD	Thickness
	080404	Pkg. 25	4.9 mm	11.5 mm	1.25 mm
	080408	Pkg. 25	5.2 mm	13.9 mm	1.1 mm
	080390	Pkg. 20	5.3 mm	20.3 mm	3.5 mm
	080407	Pkg. 25	6.4 mm	13.9 mm	1.7 mm
	080398	Pkg. 20	7.2 mm	13.6 mm	1.3 mm
	080388	Pkg. 25	7.3 mm	13.6 mm	1.3 mm
	080423	Pkg. 10	7.6 mm	20.3 mm	2.5 mm
	080736	Pkg. 20	7.7 mm	20 mm	2.65 mm
	080732	Pkg. 20	10 mm	20 mm	2.65 mm

LAITON

HC-CARGO	Std pkg	ID	OD	Thickness
080236	Pkg. 10	7.1 mm	13.4 mm	1.1 mm
080405	Pkg. 25	7.1 mm	13.8 mm	1.3 mm
080419	Pkg. 25	8.8 mm	14 mm	1.3 mm
080424	Pkg. 10	10.8 mm	17.5 mm	1.7 mm
080418	Pkg. 10	12.6 mm	18 mm	2.5 mm

RONDELLES

ACIER PLAT

HC-CARGO	Std pkg	ID	OD	Thickness
190587	Pkg. 200	3.5 mm	9.5 mm	0.8 mm
190588	Pkg. 200	4.3 mm	9.5 mm	0.8 mm
191502	Pkg. 200	5.3 mm	9 mm	1 mm
191506	Pkg. 200	5.3 mm	10 mm	1 mm
192667	Pkg. 200	5.3 mm	12 mm	1 mm
190589	Pkg. 200	5.5 mm	12.7 mm	1 mm
192695	Pkg. 200	6.4 mm	25 mm	1.8 mm
191290	Pkg. 200	6.5 mm	13 mm	1 mm
190590	Pkg. 200	6.8 mm	16 mm	1.1 mm
190591	Pkg. 200	7.4 mm	14 mm	1.6 mm
190592	Pkg. 200	8.4 mm	18 mm	1.25 mm
192696	Pkg. 200	8.4 mm	30 mm	2 mm
191337	Pkg. 100	10 mm	16 mm	0.5 mm
192362	Pkg. 100	10 mm	16 mm	1 mm
190593	Pkg. 100	10 mm	21 mm	1.25 mm
192062	Pkg. 200	12 mm	18 mm	0.5 mm
191491	Pkg. 100	12 mm	18 mm	1 mm
191457	Pkg. 100	13 mm	19 mm	0.5 mm
190594	Pkg. 100	13 mm	24 mm	2.5 mm
191335	Pkg. 100	14 mm	26 mm	0.5 mm
191868	Pkg. 100	15 mm	22 mm	0.1 mm
191548	Pkg. 100	15 mm	22 mm	0.5 mm
191538	Pkg. 100	15 mm	22 mm	1 mm
191901	Pkg. 100	17 mm	24 mm	0.5 mm
192663	Pkg. 100	17 mm	24 mm	1 mm
191560	Pkg. 100	17 mm	24 mm	1.5 mm
192821	Pkg. 100	18 mm	31.9 mm	0.5 mm
191815	Pkg. 100	20 mm	28 mm	0.5 mm

SEALING RINGS

HC-CARGO	Std pkg	ID	OD	Thickness	Material
190823	Pkg. 100	6 mm	10 mm	1 mm	Copper
080004	Pkg. 25	6 mm	12 mm	1 mm	Copper
190824	Pkg. 100	6.3 mm	12 mm	1 mm	Copper
190828	Pkg. 100	8 mm	14 mm	1 mm	Copper
190826	Pkg. 100	8.2 mm	12 mm	1 mm	Copper
190806	Pkg. 100	10.3 mm	16 mm	1 mm	Copper
190807	Pkg. 100	12 mm	16 mm	1.5 mm	Aluminium
190808	Pkg. 100	12 mm	16 mm	1.5 mm	Copper
190809	Pkg. 100	12 mm	18 mm	1.5 mm	Copper
191358	Pkg. 100	12 mm	24 mm	1 mm	Copper
190810	Pkg. 100	13 mm	18 mm	1.5 mm	Copper
190811	Pkg. 100	14 mm	18 mm	1.5 mm	Aluminium
190812	Pkg. 100	14 mm	18 mm	1.5 mm	Copper
190813	Pkg. 100	14 mm	20 mm	1.5 mm	Aluminium
190815	Pkg. 100	14 mm	20 mm	1.5 mm	Copper
190817	Pkg. 100	16 mm	20 mm	1.5 mm	Copper
190816	Pkg. 100	16 mm	20 mm	1 mm	Copper
190818	Pkg. 100	16 mm	22 mm	1.5 mm	Copper
191489	Pkg. 100	16 mm	24 mm	1.5 mm	Copper
190819	Pkg. 100	18 mm	22 mm	1.5 mm	Copper
190820	Pkg. 100	18 mm	24 mm	1.5 mm	Copper
191490	Pkg. 100	18 mm	26 mm	1.5 mm	Copper
190821	Pkg. 100	20 mm	26 mm	1.5 mm	Copper
190822	Pkg. 100	22 mm	27 mm	1.5 mm	Copper

INSULATORS

FIBERS

HC-CARGO	Std pkg	ID	OD	Thickness	Material
191346	Pkg. 100	4 mm	13 mm	1 mm	Red fiber
191351	Pkg. 100	5 mm	12 mm	1 mm	Red fiber
191352	Pkg. 100	5 mm	16 mm	1 mm	Red fiber
191344	Pkg. 100	6 mm	10 mm	1 mm	Red fiber
191350	Pkg. 100	6 mm	18 mm	1.5 mm	Red fiber
191442	Pkg. 100	7.5 mm	14 mm	3 mm	Red fiber
191353	Pkg. 100	8 mm	12 mm	0.5 mm	Red fiber
191345	Pkg. 100	8 mm	20 mm	2 mm	Red fiber
191349	Pkg. 100	10 mm	16 mm	1 mm	Red fiber
191648	Pkg. 100	10 mm	25 mm	2 mm	Red fiber
191348	Pkg. 100	12.2 mm	22 mm	1 mm	Red fiber
191339	Pkg. 100	12 mm	19 mm	1 mm	Red fiber
191347	Pkg. 100	13 mm	23 mm	1.5 mm	Red fiber
191430	Pkg. 100	14.5 mm	29 mm	1 mm	Red fiber
191532	Pkg. 100	14 mm	34 mm	2 mm	Red fiber
191869	Pkg. 100	15 mm	24 mm	0.5 mm	Red fiber
191355	Pkg. 100	20.5 mm	35 mm	1.5 mm	Red fiber
191354	Pkg. 100	45 mm	51 mm	1 mm	Red fiber

FENDERS

HC-CARGO	Std pkg	ID	OD	Thickness	ISO norm	DIN norm
191813	Pkg. 1000	3.2 mm	9 mm	0.8 mm	7093	9021A
191289	Pkg. 200	4.3 mm	12 mm	1 mm	7093	9021A
190603	Pkg. 200	5.3 mm	15 mm	1.2 mm	7093	9021A
192694	Pkg. 200	5.3 mm	20 mm	1.5 mm	7093	9021A
190604	Pkg. 200	6.4 mm	18 mm	1.6 mm	7093	9021A
191291	Pkg. 200	8.4 mm	15 mm	1.6 mm	7092	433
190605	Pkg. 200	8.4 mm	24 mm	2 mm	7093	9021A

SPRING LOCK

HC-CARGO	Std pkg	ID	Material
192348	Pkg. 200	1/2"	Steel spring
192128	Pkg. 200	1/4"	Steel spring

CURVED

HC-CARGO	Std pkg	ID	OD	Thickness	Material
190577	Pkg. 200	3.1 mm	6.2 mm	0.7 mm	Steel spring
190578	Pkg. 1000	4.11 mm	7.2 mm	0.85 mm	Steel spring
192678	Pkg. 200	5.3 mm	10 mm	0.5 mm	Steel spring
190579	Pkg. 1000	5.4 mm	9.2 mm	1 mm	Steel spring
190580	Pkg. 200	6.1 mm	11.8 mm	1.3 mm	Steel spring
190581	Pkg. 500	7.1 mm	12.8 mm	1.3 mm	Steel spring
190582	Pkg. 500	8.1 mm	14.8 mm	1.6 mm	Steel spring
192679	Pkg. 200	8.4 mm	15 mm	0.5 mm	Steel spring
190583	Pkg. 200	10.2 mm	18.1 mm	1.8 mm	Steel spring
190584	Pkg. 200	12.2 mm	18.1 mm	2.1 mm	Steel spring
191287	Pkg. 200	14.2 mm	24.1 mm	2.4 mm	Steel spring
191288	Pkg. 200	16.2 mm	27.4 mm	2.8 mm	Steel spring

STEEL

W/CHAMFER

HC-CARGO	Std pkg	ID	OD	Thickness	ISO norm	DIN norm	Material
190598	Pkg. 200	6.4 mm	12 mm	1.6 mm	7090	125B	Steel
190599	Pkg. 200	8.4 mm	16 mm	1.6 mm	7090	125B	Steel
191579	Pkg. 100	10.5 mm	20 mm	2 mm	7090	125B	Steel

W/KEY SLOT

HC-CARGO	Std pkg	ID	OD	Thickness	Material
191265	Pkg. 100	17 mm	34 mm	2 mm	Steel

LOCK

EXTERNAL SERRATED

HC-CARGO	Std pkg	ID	DIN norm	Material
190616	Pkg. 200	M4	6798A	Steel
190612	Pkg. 200	M5	6798A	Steel
190613	Pkg. 200	M6	6798A	Steel
190614	Pkg. 200	M8	6798A	Steel

INTERNAL SERRATED

HC-CARGO	Std pkg	ID	DIN norm	Material
190608	Pkg. 200	M6	6798J	Steel
190609	Pkg. 200	M8	6798J	Steel
190610	Pkg. 200	M10	6798J	Steel

WAVED TYPE

HC-CARGO	Std pkg	ID	OD	Thickness
191903	Pkg. 100	11.4 mm	18.8 mm	0.3 mm
191913	Pkg. 100	16.3 mm	24 mm	1.5 mm
191336	Pkg. 100	17 mm	30 mm	1.6 mm

COTTER PINS

HC-CARGO	Std pkg	OD	Length	DIN norm	Material
191575	Pkg. 100	1.6 mm	16 mm	94	Steel
190632	Pkg. 100	2 mm	32 mm	94	Steel
190633	Pkg. 100	2 mm	40 mm	94	Steel
190634	Pkg. 100	2.5 mm	25 mm	94	Steel
190638	Pkg. 100	3.2 mm	32 mm	94	Steel
191576	Pkg. 100	3.2 mm	25 mm	94	Steel
191577	Pkg. 100	4 mm	36 mm	94	Steel

BUSHINGS

HC-CARGO	Std pkg	Length	
080161	Pkg. 1	20 mm	*For cover.*
080162	Pkg. 1	25 mm	*For cover.*
080165	Pkg. 1	30.5 mm	*For cover.*
080164	Pkg. 1	35 mm	*For cover.*
080163	Pkg. 1	40.5 mm	*For cover.*

THREADED

HC-CARGO	Std pkg	Length	Thread/internal	Thread/external	Material
192578	Pkg. 10	10 mm	M10-1	M12-1	*For Glow Plugs.*

RIVETS

HC-CARGO	Std pkg	OD	Length	DIN norm	Material
191285	Pkg. 100	4 mm	12 mm	660	Aluminium
192048	Pkg. 100	5 mm	20 mm	674	Aluminium

BLIND

HC-CARGO	Std pkg	OD	Length	Grip range	DIN norm	Material
191458	Pkg. 100	4 mm	10 mm	5-6.5	7337A	Alu/Steel
191459	Pkg. 100	4 mm	16 mm	8.5-12	7337A	Alu/Alu
193263	Pkg. 1		17.2 mm			

TUBULAR

HC-CARGO	Std pkg	OD	Length	Material
191552	Pkg. 100	6 mm	25 mm	Brass

ASSORTMENTS

BOXES

200663 Assortment Box Std pkg 1

Can be devided using inserts.

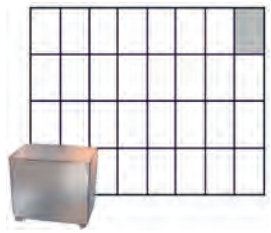
Length: 265 mm
Thickness: 57 mm
Width: 340 mm

Material: Polypropylene

INSERTS

200664 Insert — Std pkg 1

Unbreakable.

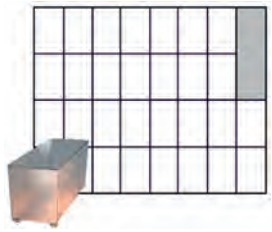


Length: 40 mm
Thickness: 45 mm
Width: 55 mm

Material: Polypropylene

200665 Insert — Std pkg 1

Unbreakable.

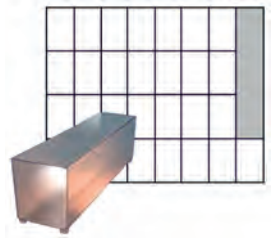


Length: 110 mm
Thickness: 45 mm
Width: 40 mm

Material: Polypropylene

200666 Insert — Std pkg 1

Unbreakable.

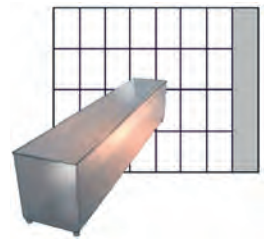


Length: 165 mm
Thickness: 45 mm
Width: 40 mm

Material: Polypropylene

200667 Insert — Std pkg 1

Unbreakable.



Length: 220 mm
Thickness: 45 mm
Width: 40 mm

Material: Polypropylene

200668 Insert — Std pkg 1

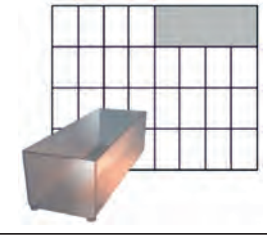
Unbreakable.

Length: 80 mm
Thickness: 45 mm
Width: 55 mm

Material: Polypropylene

200669 Insert — Std pkg 1

Unbreakable.



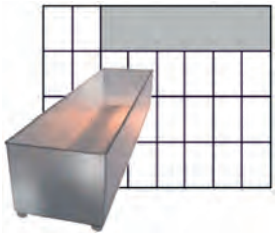
Length: 160 mm
Thickness: 45 mm
Width: 55 mm

Material: Polypropylene

	EL. SPECIFICATIONS	DIMENSIONS	ADDITIONAL SPECIFICATIONS

200670 Insert Std pkg 1

Unbreakable.



Length: 240 mm
Thickness: 45 mm
Width: 55 mm

Material: Polypropylene

200671 Insert Std pkg 1

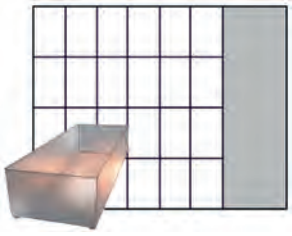
Unbreakable.

Length: 110 mm
Thickness: 45 mm
Width: 80 mm

Material: Polypropylene

200672 Insert Std pkg 1

Unbreakable.

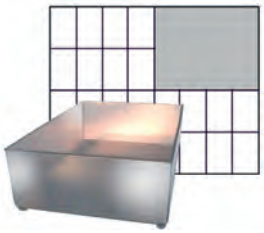


Length: 220 mm
Thickness: 45 mm
Width: 80 mm

Material: Polypropylene

200673 Insert Std pkg 1

Unbreakable.



Length: 160 mm
Thickness: 45 mm
Width: 110 mm

Material: Polypropylene

DISPLAY

200676 Display for 4 Assortments Std pkg 1

Frame for 4 Profi service cases.

Length: 200 mm
Thickness: 330 mm
Width: 360 mm

200693 Assortment Display Std pkg 1

Frame for 4 Profi service cases. Can be assembled horizontally or vertically.

Length: 265 mm
Thickness: 313 mm
Width: 373 mm

Assortments

Edition 2021/2023

ATO Blade Fuses — 804008

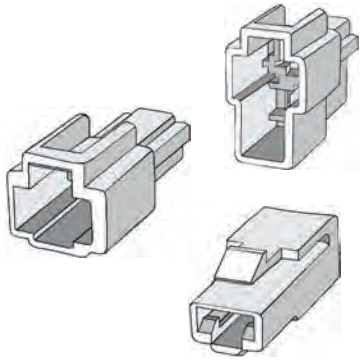
	Type	Amp	Qty.
191465	Mini blade fuse	2	10
191466	Mini blade fuse	3	10
191467	Mini blade fuse	4	10
191468	Mini blade fuse	5	10
191469	Mini blade fuse	7.5	10
191470	Mini blade fuse	10	10
191471	Mini blade fuse	15	10
191472	Mini blade fuse	20	10
191473	Mini blade fuse	25	10
191474	Mini blade fuse	30	10
191475	ATO blade fuse	1	25
191476	ATO blade fuse	2	25
190053	ATO blade fuse	3	50
190054	ATO blade fuse	4	50

	Type	Amp	Qty.
190055	ATO blade fuse	5	50
190056	ATO blade fuse	7.5	50
190057	ATO blade fuse	10	50
190058	ATO blade fuse	15	50
190059	ATO blade fuse	20	50
190060	ATO blade fuse	25	50
190061	ATO blade fuse	30	50
191664	ATO blade fuse	40	50

Connectors & Insulators — 804012

	Type	Pole	Qty.
191007	Insulator		50
191126	Insulator		20
191127	Insulator		50
191227	Insulator		10
191226	Insulator		10
190260	Multiple connector	2-pole	10
190261	Multiple connector	2-pole	10
190843	Multiple connector	2-pole	10
190272	Multiple connector	2-pole	10
191158	Multiple connector	2-pole	10
191159	Multiple connector	2-pole	10
190262	Multiple connector	3-pole	10
190263	Multiple connector	3-pole	10
191224	Multiple connector	3-pole	10

	Type	Pole	Qty.
191225	Multiple connector	3-pole	10
190264	Multiple connector	4-pole	10
190265	Multiple connector	4-pole	10
190266	Multiple connector	6-pole	2
190267	Multiple connector	6-pole	2



Crimp Terminals - Non-insulated — 804013

		Qty.
190256	Terminal	20
190725	Terminal	20
191025	Terminal	20
191064	Terminal	20
191069	Terminal	20
191411	Terminal	20
191412	Terminal	20
191413	Terminal	20
190726	Terminal	25
190270	Terminal	100
190868	Terminal	100
191028	Terminal	100
191029	Terminal	100
191083	Terminal	100

		Qty.
191089	**Terminal**	**100**
191129	Terminal	100
191200	Terminal	100
191415	Terminal	100
190252	Terminal	200
191008	Terminal	200

Insulated Terminals — 804014

		Qty.
190049	Terminal 2.8 mm, red	100
190045	Terminal 4.7 mm, red	100
190022	Terminal 6.3 mm, red	100
190020	Terminal 6.3 mm, blue	100
190024	Terminal 6.3 mm, yellow	50
190041	Terminal 8.0 mm, blue	50
190048	Terminal 9.5 mm, yellow	50
190985	Terminal 6.3 mm, red	100
190046	Terminal 6.3 mm, blue	100
190025	Terminal 6.3 mm, red	50
190026	Terminal 6.3 mm, blue	50
190016	Terminal 6.3 mm, blue	100
190019	Terminal 6.3 mm, red	100
190021	Terminal, OD 4 mm, red	100

		Qty.
190023	Terminal, OD 4 mm, blue	75
190017	Terminal, ID 5 mm, red	100
191009	Shrinkable full insulated, red	25
191010	Shrinkable full insulated, blue	25
190028	Butt connector, red	100
190001	Butt connector, blue	100
190018	Terminal, blue	50
191011	Shrinkable full insul., yellow	20

Ring Crimp Terminals - Insulated 804015

		mm		Qty.
190038	Terminal	3	red	100
190257	Terminal	3	blue	100
190027	Terminal	4	red	100
190973	Terminal	4	red	100
190029	Terminal	4	blue	100
190032	Terminal	4	blue	100
191067	Terminal	4	blue	100
190031	Terminal	5	red	100
190037	Terminal	5	blue	100
190033	Terminal	5	yellow	50
190015	Terminal	6	red	100
190034	Terminal	6	blue	100
190035	Terminal	6	yellow	50
190039	Terminal	8	blue	50
190255	Terminal	8	yellow	50
190042	Terminal	10	yellow	50
190974	Terminal		red	100
190952	Terminal		blue	100
190953	Terminal		yellow	50

Sealing Rings I 804020

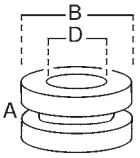
	ID mm	OD mm	Th. mm		Qty.
190823	6	10	1	Copper	20
190824	6	12	1	Copper	20
190826	8	12	1	Copper	20
190828	8	14	1	Copper	20
080009	10	14	1	Copper	20
190806	10	16	1	Copper	20
190807	12	16	1.5	Alu.	20
190808	12	16	1.5	Copper	20
190809	12	18	1.5	Copper	20
191358	12	24	1	Copper	20
190810	13	18	1.5	Copper	20
190811	14	18	1.5	Alu.	20
190812	14	18	1.5	Copper	20
190813	14	20	1.5	Alu.	20
190815	14	20	1.5	Copper	20
190816	16	20	1	Copper	20
190817	16	20	1.5	Copper	20
190818	16	22	1.5	Copper	20
191489	16	24	1.5	Copper	20
190819	18	22	1.5	Copper	20
190820	18	24	1.5	Copper	20
191490	18	26	1.5	Copper	20
190821	20	26	1.5	Copper	20
190822	22	27	1.5	Copper	20

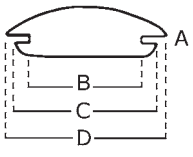
Rubber Clamps (Rubber profile 12.7 mm - Fixing hole 6.8 mm) 804021

	Pipe OD	Type	Qty.
190899	6.4 mm	6	10
190900	7.9 mm	8	10
190901	9.5 mm	10	10
190902	11.1 mm	11	10
190903	12.7 mm	13	5
190904	14.3 mm	14	5
190905	15.9 mm	16	5
190906	17.5 mm	18	5
190907	19.0 mm	19	5
190908	22.2 mm	22	5
190909	25.4 mm	25	5
191417	28.6 mm	29	5

Rubber Grommets & Blankings 804022

	B mm	C mm	D mm	Amp	Qty.
190964	5.5		8	1.6	20
190120	6.4		9.5	1.6	20
190965	8		9.5	1.6	20
190966	8		11	1.6	20
190967	8		12.5	1.6	20
190122	9.5		12.5	1.6	20
190968	11		14.2	1.6	20
190969	12.5		17.5	1.6	20
190970	12.5		19	1.6	20
190110	6.4	9.5	9.5	1.6	20
190111	8	10.6	14.2	1.6	20
190112	9.5	12.8	15.4	1.6	20
190114	12.5	15.5	18.7	1.6	20
190115	15.5	19	22	1.6	20
190116	19	22.1	25.5	1.6	20
190958	22.5	27	28.5	1.6	10
190959	24.4	28.3	32	1.6	10





Cable Ties — 804024

	L.	W.	Max dia.	Qty.
191003	102	2.50	25 mm	200
191188	150	3.60	39 mm	100
191094	200	2.50	55 mm	200
190248	190	4.80	52 mm	100
191128	92	2.40	16 mm	200
190014	Self adhesive 27 x 27 mm			100

Torpedo & Glass Fuses — 804036

	Dim. mm	Amp	Qty.
190285	20 x 5	0.5	20
190286	20 x 5	2	20
190284	20 x 5	6.3	20
190734	20 x 5	10	20
191534	20 x 5	20	20
190276	25 x 6	5	100
190277	25 x 6	8	100
190278	25 x 6	16	100
190279	25 x 6	25	100
190280	25 x 6	40	100
190735	29 x 6.3	10	20
191570	29 x 6.3	15	20
190736	29 x 6.3	25	20
190287	32 x 6.3	5	20
190288	32 x 6.3	10	20
190289	32 x 6.3	15	20
190274	32 x 6.3	20	20
190275	32 x 6.3	35	20

Machine Screws & Nuts — 804037

	Spanner size mm		Qty.
190520	5.5	M3	200
190521	7	M4	200
190779	8	M5	200
190780	10	M6	200

	Length mm	Qty.
190531	M3 x 10	200
191770	M4 x 8	200
190536	M4 x 10	200
191317	M4 x 14	**200**
191318	M4 x 18	200
190540	M4 x 25	200
190541	M4 x 30	200
191319	M5 x 6	200
190544	M5 x 10	200
190547	M5 x 20	200
190552	M6 x 10	100

Mini Clamps — 804040

	Min mm	Max mm	Ref. no.	Qty.
190005	6	8.3	8	10
190006	7	9.3	9	10
190007	8	10.3	10	10
190008	9	11.3	11	10
190009	9	12.3	12	10
190010	10	13.3	13	10
190937	11	14.3	14	10
190938	12	15.3	15	10

PVC Caps — 804041

	OD mm	ID mm	H mm	No.	Qty.
191364	4.8/5.5	3.2/4	5.7	3	100
191365	6/6.7	4.5/5.3	5.9	5	100
191366	6.8/7.4	5/5.6	6.8	6	100
191367	7.6/8.5	6/7.1	8	8	100
191368	8.3/9.4	6.9/7.9	9	10	100
191369	10.1/11	8.2/9.5	9.9	12	50
191370	10.8/12.5	9/10.8	9.6	15	50
191371	11.4/12.8	10.1/11.3	9.8	16	50
191372	13.1/14.5	11.5/13	11.1	18	25
191373	13.9/15.4	12.4/14	12	20	25
191374	14.2/15.7	13/14.7	12.8	25	25
191375	14.9/16.8	14/15.5	12.8	27	50
191480	17.2/18.9	15.8/17.6	14	30	25
191376	18.2/20.2	16.4/18.8	13.9	35	25

Red Crimp Terminals - Insulated — 804048

		mm	Qty.
190049	Flat plug	2.8	100
190045	Flat plug	4.7	100
190022	Flat plug	6.3	100
190025	Flat plug and piggi back	6.3	50
190985	Flat plug, fully insulated	6.3	100
190019	Flat tongue	6.3	100
190021	Round plug, OD 4 mm		100
190017	Round plug receptacle, ID 4 mm		100
190028	Butt connector		100
191009	Butt connector		25
190038	Ring	3	100
190027	Ring	4	100
190031	Ring	5	100
190015	Ring	6	100

		mm	Qty.
191501	Spade	2	100
190973	Spade	4	100
190974	Pin		100

Blue Crimp Terminals - Insulated — 804049

		mm	Qty.
190020	Flat plug	6.3	100
190041	Flat plug	8	50
190026	Flat plug, fully insulated	4.7	50
190046	Flat plug, fully insulated	6.3	100
190016	Flat tongue	6.3	100
190023	Round plug, OD 5 mm		100
190018	Round plug receptacle, ID 5 mm		50
190001	Butt connector		100
191010	Butt connector		25
190257	Ring	3	100
190029	Ring	4	100
190032	Ring	5	100
190034	Ring	6	100
190039	Ring	8	100

		mm	Qty.
191067	Spade	4	100
190037	Spade	5	100
190952	Pin		100

Yellow Crimp Terminals - Insulated — 804050

		mm	Qty.
190024	Flat plug	6.3	50
190048	Flat plug	9.5	50
191191	Flat tongue	6.3	50
190051	Round plug, OD 5 mm		50
190050	Round plug receptacle, ID 5 mm		50
190030	Butt connector		50
191011	Butt connector		25
190033	Ring	5	50
190035	Ring	6	50
190255	Ring	8	50
190042	Ring	10	50
191515	Ring	12	100
190953	Pin		100

Cable Joints 804054

	mm²	Ring	Qty.
190846	4.0 - 6.0	M6	50
190716	10.0	M6	20
190717	16.0	M6	20
190718	16.0	M8	20
190719	25.0	M8	10
190720	25.0	M10	10
191416	35.0	M8	10
190721	35.0	M10	10
190722	50.0	M8	10
190723	50.0	M10	10

Crimp Seal Terminals 804055

	Type	mm	Qty.
191009	Butt connector	Red	10
191010	Butt connector	Blue	10
191011	Butt connector	Yellow	10
191682	Ring	Red 4	10
191685	Ring	Blue 4	10
191689	Ring	Yellow 5	10
191683	Ring	Red 5	10
191686	Ring	Blue 5	10
191684	Ring	Red 6	10
191687	Ring	Blue 6	10
191690	Ring	Yellow 6	10
191688	Ring	Blue 8	10
191691	Ring	Yellow 8	10
191692	Ring	Yellow 10	10

	Type	mm	Qty.
191693	Spade	Red 4	10
191694	Spade	Blue 4	10
191695	Spade	Blue 5	10
191696	Spade	Yellow 5	10
191697	Flat plug, ful.insul.	Red 6.3	10
191698	Flat plug, ful.insul.	Blue 6.3	10
191699	Flat tongue	Red 6.3	10
191700	Flat tongue	Blue 6.3	10

Protection Caps 804065

		H. mm	Qty.
191862	M8-1	10	100
191863	M10-1	10	100
191864	M12-1	12	100
191865	M12-1.5	12	100
191866	M14-1.5	12	100

Tapping Screws I 804069

	Dim. mm	Type no.	Qty.
191753	2.9 x 16	4	200
191798	2.9 x 19	4	200
190360	3.5 x 9.5	6	250
190361	3.5 x 16	6	200
190362	3.5 x 19	6	200
190366	4.2 x 9.5	8	200
190367	4.2 x 16	8	200
190368	4.2 x 19	8	200
190371	4.2 x 25	8	200
190372	4.8 x 13	10	200
190373	4.8 x 19	10	200

Cable Clips 804070

	Pipe OD	Type	Qty.
191950	3.2 mm	9.5	100
191951	4.8 mm	10.5	100
191952	6.4 mm	12.0	50
191953	7.9 mm	12.0	50
191954	9.5 mm	12.5	50
191955	12.7 mm	15.2	20
191956	15.8 mm	18.2	20
191957	19.4 mm	18.2	20
191958	25.4 mm	22.0	20
191959	31.8 mm	26.2	20

Butt Splices 804073

	mm²	Qty.
192007	1.3	100
192008	2.0	100
191885	6.0	10
191886	10.0	10
191887	16.0	10
191888	25.0	10
191889	35.0	10
191890	50.0	10
191891	70.0	10

Super Seal Connectors 804075

		Qty.
192587	Single wire seal Insulation dia.: 1.8-2.4 mm	100
192091	Single wire seal Insulation dia.: 2.6-3.3 mm	100
192089	Male. 1.5 mm 1-1.5 mm²	100
192090	Female. 1.5 mm 1-1.5 mm²	100
192077	Superseal... 1 pole ....Male	5
192078	Superseal... 1 pole ....Female	5
192079	Superseal... 2 pole ....Female	5
192080	Superseal... 2 pole ....Male	5
192081	Superseal... 3 pole ....Female	5
192082	Superseal... 3 pole ....Male	5
192083	Superseal... 4 pole ....Female	5
192084	Superseal... 4 pole ....Male	5

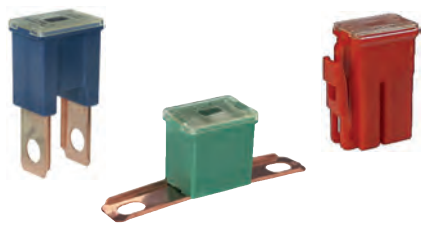
		Qty.
192085	Superseal... 5 pole ....Female	5
192086	Superseal... 5 pole ....Male	5
192087	Superseal... 6 pole ....Female	5
192088	Superseal... 6 pole ....Male	5

PAL Fuses II (Slow Blow Fuses) 804076

	Type	Amp	Qty.
191153 ...	Green	40	1
191154 ...	Yellow	60	1
191970 ...	Red	50	1
191830 ...	Brown	25	1
191831 ...	Green	30	1
191832 ...	Red	45	1
191833 ...	Black	65	1
191834 ...	Grey	75	1
191672 ...	Pink	30	1
191673 ...	Green	40	1
191155 ...	Pink	30	1
191973 ...	Green	40	1
191974 ...	Red	50	1
191156 ...	Yellow	60	1

	Type	Amp	Qty.
191975 ...	Brown	70	1
191157 ...	Black	80	1
191971 ...	Darkblue	100	1
191628 ...	Pink	30	1
191629 ...	Green	40	1
191630 ...	Red	50	1
191631 ...	Yellow	60	1
191632 ...	Brown	70	1
191972 ...	Black	80	1
191977 ...	Darkblue	100	1
191633 ...	Pink	30	1
191634 ...	Green	40	1
191635 ...	Red	50	1
191636 ...	Yellow	60	1

	Type	Amp	Qty.
191637 ...	Brown	70	1
191976 ...	Black	80	1
191978 ...	Darkblue	100	1



Heat Shrink Pipes I — 804077

	mm before crimp	mm after crimp	Qty. m
193170	2.4	1.2	10
193171	3.2	1.6	10
193172	4.8	2.4	8
193173	6.4	3.2	6
193174	9.5	4.8	5
193175	12.7	6.4	5
193176	19.1	9.5	4
193177	25.4	12.7	3

06219 ..... Display stand 1

Shrinking temp. 90 °C.
Shrink ration 2:1.

Single Core Cables — 804078

		Dim. mm	Length
190697	Black	1 x 1.5	100 m
190698	Red	1 x 1.5	100 m
190699	Blue	1 x 1.5	100 m
190700	Yellow	1 x 1.5	100 m
190702	Green	1 x 1.5	100 m

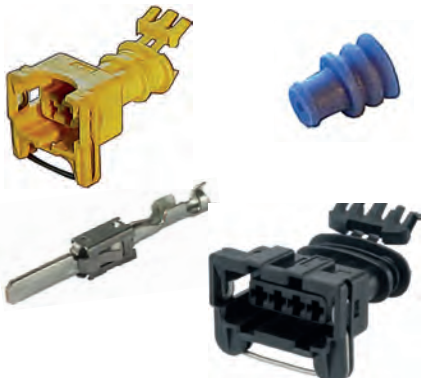
06219 ..... Display stand 1

1 x 1.5 mm² 30 / 0.250 mm 16 Amp.

Junior-Timer/Junior-Power-Timer II — 804081

		Qty.
192177	Single wire seal for 0.5-1.0 mm² cable	100
192178	Single wire seal for 1.5-2.5 mm² cable	100
192156	Male 2.8 mm 0.5 - 1.0 mm²	100
192175	Female terminal 0.5-1.0 mm²	100
192157	Male 2.8 mm 1.5 - 2.5 mm²	100
192176	Female terminal 1.0-2.5 mm²	100
192167	2-pole male holder, black	2
192147	2-pole female holder, black	3
192150	Rubber boot for 2-pole. L. 57 mm	2
192152	Rubber boot for 2-pole. Angled	4
192148	3-pole female holder, black	2
192171	4-pole female holder, black	1

		Qty.
192153	Rubber boot for 3-pole. L. 57 mm	2
192172	5-pole female holder, black	2
192173	6-pole female holder, black	1

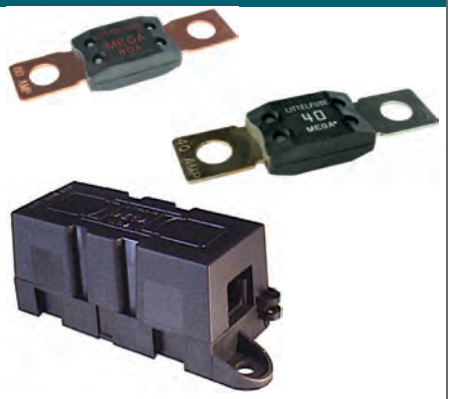


Cord End Terminals — 804085

	mm²	L. mm	Qty.
191962	0.5	10	100
191963	0.75	10	100
191964	1	10	100
191965	1.5	10	100
191966	2.5	10	100
191967	4	12	100
191968	6	15	100
191969	10	15	100
192047	16	18	100

Mega Blade Fuses 804086

	Type	Amp	Qty.
192791	White	40	3
192792	White	60	3
192793	Red	80	3
192049	Yellow	100	3
192050	Green	125	3
192051	Tan	150	3
192052	White	175	3
192053	Blue	200	3
192229	Brown	225	3
192230	Pink	250	3
192231	Grey	300	3
192055	Fuse holder (Terminals: M8)		2



Battery Terminals II 804089

		Qty.
190012	Battery Terminal +	5
190013	Battery Terminal -	5
190202	Battery Terminal +	5
190203	Battery Terminal -	5
190213	Battery Terminal +	5
190214	Battery Terminal -	5
190866	Battery Terminal +	5
190867	Battery Terminal -	5

Strip Fuses 804090

		Qty.
192305	Fuse, 35 Amp	5
192306	Fuse, 50 Amp	5
192307	Fuse, 80 Amp	5
192308	Fuse, 100 Amp	5
192309	Fuse, 125 Amp	5
192310	Fuse, 160 Amp	5
192311	Fuse, 200 Amp	5
192312	Fuse, 250 Amp	5
192313	Fuse, 300 Amp	5
192314	Fuse, 355 Amp	5
192315	Fuse, 425 Amp	5
192316	Fuse, 500 Amp	5
192344	Fuse holder	2

PG Cable Glands 804091

	Type	Qty.
192355	Mountinghole 12.1 mm PG7	20
192356	Mountinghole 14.3 mm PG9	15
192357	Mountinghole 18.23 mm ... PG11	10
192358	Mountinghole 19.9 mm ... PG13.5	8
192359	Mountinghole 22.1 mm ... PG16	10
192360	Mountinghole 27.5 mm ... PG21	10

Pin Terminals - Non-insulated I — 804092

	Dia.	mm²	Qty.
191915	1.0	0.3-0.9	50
191916	1.0	0.3-0.9	50
191985	1.6	0.75-1.5	50
191543	1.6	1.0-2.5	50
191544	1.6	1.0-2-5	50
191074	2.1	1.0-2.5	50
191075	2.1	1.0-2.5	50
191091	2.1	0.5-2.1	50
191092	2.1	0.5-2.1	50
191563	3.5	0.5-2.0	50
191564	3.5	0.5-2.0	50
191078		0.5-2.5	50
191079		0.5-2.5	50

Insulated Terminals w/ Tool — 804093

		Qty.
190001	Butt connector	10
190016	6.3 mm flat tongue	10
190017	ID 4.0 mm round plug receptacle	10
190019	6.3 mm flat tongue	10
190020	6.3 mm flat plug	10
190021	OD 4.0 mm round plug	10
190022	6.3 mm flat plug	10
190024	6.3 mm flat plug	5
190026	6.3 mm flat plug and piggyback	10
190028	Butt connector	10
190030	Butt connector	5
190031	5.0 mm ring	10
190032	5.0 mm ring	10
190035	6.0 mm ring	5
190037	5.0 mm spade	10
190042	10.0 mm ring	5
190046	6.3 mm flat plug, fully insulated	10
190050	ID 5.0 mm round plug receptacle	5
190051	OD 5.0 mm round plug	5
190952	Pin	10
190953	Pin	5
190973	4.0 mm spade	10
190985	6.3 mm flat plug, fully insulated	10
192142	6.0 mm spade	5
210121	Crimping tool	1

Midi Blade Fuses — 804094

	Type	Amp	Qty.
192427	Pink	30	3
192428	Green	40	3
192429	Red	50	3
192430	Yellow	60	3
192431	Brown	70	3
192432	White	80	3
192433	Blue	100	3
192434	Tan	125	3
192435	White	150	3
192436	Fuse holder		2

Insulated Crimp Terminals — 804095

			Qty.
190022	Terminal 6.3 mm	red	100
190020	Terminal 6.3 mm	blue	100
190048	Terminal 9.5 mm	yellow	50
190985	Terminal 6.3 mm	red	100
190046	Terminal 6.3 mm	blue	100
190026	Terminal 6.3 mm	blue	100
190016	Terminal 6.3 mm	blue	100
190019	Terminal 6.3 mm	red	100
190021	Terminal, OD 4 mm	red	100
190023	Terminal, OD 4 mm	blue	100
190017	Terminal, ID 5 mm	red	100
190028	Butt connector	red	100
190001	Butt connector	blue	100
190018	Terminal	blue	100
190255	Ring	8 mm	50
190034	Ring	6 mm	100

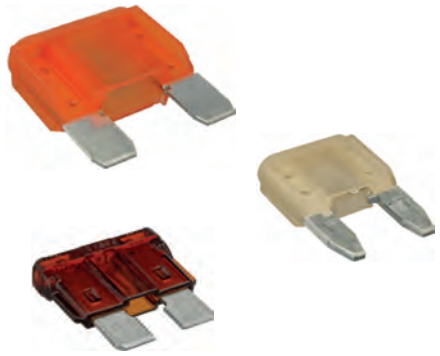
Mini Blade Fuses — 804096

	Amp		Qty.
191465	2	Grey	10
191466	3	Violet	10
191467	4	Pink	10
191468	5	Tan	10
191469	7.5	Brown	10
191470	10	Red	10
191471	15	Blue	10
191472	20	Yellow	10
191473	25	Natural	10
191474	30	Green	10
210841	Extractor		1

ATO/Mini/Maxi Fuses — 804097

		Qty.
190055	5 Amp. Tan, ATO	20
190056	7.5 Amp. Brown, ATO	20
190057	10 Amp. Red, ATO	20
190058	15 Amp. Blue, ATO	20
190059	20 Amp. Yellow, ATO	20
190060	25 Amp. Natural, ATO	20
190061	30 Amp. Green, ATO	20
191468	5 Amp. Tan, Mini	15
191469	7 Amp. Brown, Mini	15
191470	10 Amp. Red, Mini	15
191471	15 Amp. Blue, Mini	15
191472	20 Amp. Yellow, Mini	15
191473	25 Amp. Natural, Mini	15
191474	30 Amp. Green, Mini	15

		Qty.
191250	30 Amp. Green, Maxi	3
191251	40 Amp. Orange, Maxi	3
191252	50 Amp. Red, Maxi	2
191253	60 Amp. Blue, Maxi	2



ATO/Mini/PAL Fuses — 804098

		Qty.
190056	7.5 Amp. Brown, ATO	20
190057	10 Amp. Red, ATO	20
190058	15 Amp. Blue, ATO	20
190059	20 Amp. Yellow, ATO	20
190061	30 Amp. Green, ATO	20
191469	7 Amp. Brown, Mini	15
191470	10 Amp. Red, Mini	15
191471	15 Amp. Blue, Mini	15
191472	20 Amp. Yellow, Mini	15
191474	30 Amp. Green, Mini	15
191628	30 Amp. Pink, PAL	1
191629	40 Amp. Green, PAL	1
191630	50 Amp. Red, PAL	1

		Qty.
191152	30 Amp. Pink, PAL	20
191153	40 Amp. Green, PAL	1
191970	50 Amp. Red, PAL	1
191830	25 Amp. Brown, PAL	1
191831	30 Amp. Green, PAL	1

DT Connectors — 804100

		Qty.
192457	2-pole, female holder	3
192458	2-pole, male holder	3
192459	3-pole, female holder	3
192460	3-pole, male holder	3
192461	4-pole, female holder	3
192462	4-pole, male holder	3
192463	6-pole, female holder	3
192464	6-pole, male holder	3
192465	8-pole, female holder	3
192466	8-pole, male holder	3
192450	12-pole, female holder	3
192451	12-pole, male holder	3
192467	2-pole, Sekundary lock part	3
192468	2-pole, Sekundary lock part	3

		Qty.
192469	3-pole, Secondary lock part	3
192470	3-pole, Secondary lock part	3
192471	4-pole, Secondary lock part	3
192472	4-pole, Secondary lock part	3
192473	6-pole, Secondary lock part	3
192474	6-pole, Secondary lock part	3
192475	8-pole, Secondary lock part	3
192476	8-pole, Secondary lock part	3
192452	12-pole, Secondary lock part	3
192453	12-pole, Secondary lock part	3
192477	Pin terminal	50
192478	Socket terminal	50

Heat Shrink Pipes II — 804101

	mm before crimp	mm after crimp	Qty. mtr.
193197	3	1	5
193198	6	2	3.5
193199	9	3	3
193200	12	4	2.5
193201	18	6	2
193202	24	8	1.5
06219	Display stand		1

Shrinking temp. 100 °C
Shrink ration 3:1.

Strip Fuses - Closed Type — 804102

		Qty.
192325	35 Amp	5
192326	50 Amp	5
192327	80 Amp	5
192328	100 Amp	5
192329	125 Amp	5
192330	160 Amp	5
192331	200 Amp	5
192332	250 Amp	5
192333	275 Amp	5
192334	300 Amp	5
192335	355 Amp	5
192336	425 Amp	5
192337	500 Amp	5
192344	Fuse holder	2

Pin Terminals - Non-insulated II — 804103

	mm	mm²	Qty.
192174	0.4x1.5	0.35	50
192089	1.5	1x1.5	50
192090	1.5	1x1.5	50
192410	1.8	0.5x1.25	50
192217	2.7	0.5x1	50
192239	2.8	0.5-1.5	50
191083	2.8	0.5x1	50
191681	2.8	0.5x1	50
192411	2.8	0.5x1.25	50
192240	2.8	0.5x1.5	50
192373	2.8	0.5x1.5	50
192374	2.8	0.5x1.5	50
191806	3	1x3	50
191807	3	1x3	50
192140	3.3	0.5x1	50

	mm	mm²	Qty.
191551	4	0.5x1.5	50
192175	4.3	0.5x1	50
192155	4.5	1.5x2.5	50
191129	4.7	0.5x1.5	50
191089	4.8	0.5x1	50
192156	5	0.5x1	50
192157	5	1.5x2.5	50
192176	6	1x2.5	50

Maxi Blade Fuses II — 804106

		Qty.
191249	20 Amp	10
191250	30 Amp	10
191251	40 Amp	10
191252	50 Amp	10
191253	60 Amp	10
191254	70 Amp	10
191255	80 Amp	10
191256	100 Amp	10
210842	Extractor	1
191775	Holder kit set	2

DTM Connectors — 804107

		Qty.
192619	Male type	50
192620	Female type	50
192596	2-pole male holder	3
192595	2-pole female holder	3
192608	For 2-pole male holder	3
192607	For 2-pole female holder	3
192598	3-pole male holder	3
192597	3-pole female holder	3
192610	For 3-pole male holder	3
192609	For 3-pole female holder	3
192600	4-pole male holder	3
192599	4-pole female holder	3
192612	For 4-pole male holder	3
192611	For 4-pole female holder	3

		Qty.
192602	6-pole male holder	3
192601	6-pole female holder	3
192614	For 6-pole male holder	3
192613	For 6-pole female holder	3
192604	8-pole male holder	3
192603	8-pole female holder	3
192616	For 8-pole male holder	3
192615	For 8-pole female holder	3
192606	12-pole male holder	3
192605	12-pole female holder	3
192618	For 12-pole male holder	3
192617	For 12-pole female holder	3

Cable Lugs — 804110

	mm²	Ring	Qty.
192906	4-6	M8	10
192908	6-10	M6	10
192909	6-10	M8	10
192910	6-10	M10	10
192911	10-16	M6	10
192912	10-16	M8	10
192913	10-16	M10	10
192915	16-25	M6	10
192916	16-25	M8	10
192917	16-25	M10	10
192920	25-35	M8	10
192921	25-35	M10	10
192922	35-35	M12	10
192923	35-50	M8	10

	mm²	Ring	Qty.
192924	35-50	M10	10
192925	35-50	M12	10
192926	50-70	M8	8
192927	50-70	M10	8

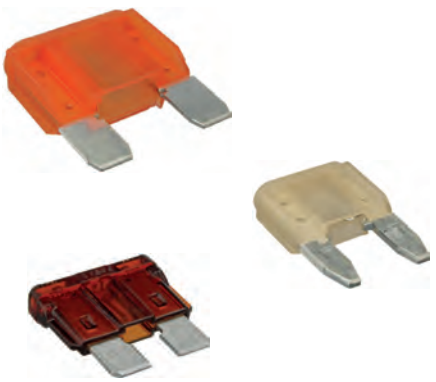
Thin Wall Cables — 804113

193012	1x0.35 mm²	Black
193013	1x0.35 mm²	Red
193014	1x0.5 mm²	Black
193015	1x0.5 mm²	Red

Fuses - Micro / Mini Low Profile / PAL - Assortment — 804117

		Qty.
193213	5 Amp. Tan, Micro	10
193214	7.5 Amp. Brown, Micro	10
193215	10 Amp. Red, Micro	10
193216	15 Amp. Blue, Micro	10
193217	20 Amp. Yellow, Micro	10
193218	25 Amp. Natural, Micro	10
193219	30 Amp. Green, Micro	10
192762	2 Amp. Grey, Mini	10
192763	3 Amp. Violet, Mini	10
192764	4 Amp. Pink, Mini	10
192765	5 Amp. Tan, Mini	10
192766	7.5 Amp. Brown, Mini	10
192767	10 Amp. Red, Mini	10
192768	15 Amp. Blue, Mini	10

		Qty.
192769	20 Amp. Yellow, Mini	10
192770	25 Amp. Natural, Mini	10
192771	30 Amp. Green, Mini	10
192779	20 Amp. Blue, PAL	2
192780	25 Amp. White, PAL	2
192781	30 Amp. Pink, PAL	2
192782	40 Amp. Green, PAL	2
192783	50 Amp. Red, PAL	2
192784	60 Amp. Yellow, PAL	2



Hose Nipples — 807002

		Hose ID	Qty.
070067	R 1/4”	10.0 mm	3
080855	R 1/2”	10.0 mm	3
070077	1/8-27 NPTF	6.0 mm	3
080955	1/8-27 NPFT	8.0 mm	3
080857	1/2” -20 UNF	8.0 mm	3
080960	1/2”-20 UNF	10.0 mm	3
080954	M14-1.5	6.0 mm	3
080854	M14-1.5	8.0 mm	3
080959	M14-1.5	10.0 mm	3
080858	M16-1.5	8.0 mm	3
070070	M16-1.5	10.0 mm	3
080958	M18-1.5	10.0 mm	3

Toggle Switches — 808014

		Qty.
180584 ...	Toggle switch, 2 terminals	2
180585 ...	Toggle switch, 3 terminals	2
180586 ...	Toggle switch, 3 terminals	2
180587 ...	Toggle switch, 3 terminals	2
180588 ...	Toggle switch, 3 terminals	2
180589 ...	Toggle switch, 3 terminals	2
180590 ...	Toggle switch, 4 terminals	2
180591 ...	Toggle switch, 6 terminals	2
180592 ...	Toggle switch, 6 terminals	2
180593 ...	Toggle switch, 6 terminals	2
180594 ...	Toggle switch, 6 terminals	2
180595 ...	Rubber cap	5
181672 ...	Rubber cap	5

Mini Rocker Switches — 808015

		Qty.
180597 ...	2 terminals, On/Off,	10
180598 ...	3 terminals, On/Off, amber	10
180599 ...	3 terminals, On/Off, red	10
180600 ...	3 terminals, On/On	10
180601 ...	3 terminals, On/Off, red spot diode	10
180628 ...	3 terminals, On/Off, green	10
180627 ...	3 terminals, On/Off, blue	10

Mini Relays 12 V — 811001

		Qty.
160080 ...	30 Amp 4 terminals	6
160081 ...	20/30 Amp 4 terminals	6
160083 ...	30 Amp 4 terminals	2
160155 ...	15 Amp 4 terminals	2
160168 ...	2 x 15 Amp 5 terminals	2
160239 ...	70 Amp 4 terminals	2
160265 ...	30 Amp 5 terminals	2
160270 ...	20/30 Amp 5 terminals	2
160282 ...	40 Amp 4 terminals	6
160308 ...	20/30 Amp 5 terminals	6
160403 ...	15/40 Amp 5 terminals	2
160468 ...	70 Amp 4 terminals	2

Micro Relays — 811004

		Qty.
160363 ..	25 Amp 4 terminals	2
160364 ..	Normally open w/ diode	2
160365 ..	Change over 12 V. 10/20 Amp.	2
160366 ..	Change over w/ diode	2
160367 ..	Change over w/ resistor	2
160368 ..	Change over 24 V. 4/10 Amp.	2
160521 ..	5/10 Amp. 5 terminals	2
191089 ..	Terminal 4.7 mm 0.5-1.0 mm²	100
190868 ..	Terminal 6.3 mm 0.5-1.0 mm²	100
190252 ..	Terminal 6.3 mm 1.0-2.5 mm²	100
191752 ..	Relay multi plug	10

Bulb Holders — 811006

		Qty.
171426 .. Servicing:	HB4, H10, H12	2
171427 .. Servicing:	HB4, HIR2 (PX22d)	2
171453 .. Servicing:	H7	10
171783 .. Servicing:	HB1, HB5	2
171784 .. Servicing:	H8, H9, H11	2
171924 .. Servicing:	H1, H3	2
171925 .. Servicing:	H1, H3	2
171954 .. Servicing:	H4	4
172072 .. Servicing:	PGJ13, H16, H27W	2

HSS Drills — 210574

		OD	Qty.
210141	HSS Drill	1 mm	10
210142	HSS Drill	1.5 mm	10
210143	HSS Drill	2 mm	10
210144	HSS Drill	2.5 mm	10
210145	HSS Drill	3 mm	20
210146	HSS Drill	3.3 mm	10
210164	HSS Drill	3.5 mm	10
210147	HSS Drill	4 mm	10
210148	HSS Drill	4.5 mm	10
210149	HSS Drill	5 mm	10
210150	HSS Drill	5.5 mm	10
210151	HSS Drill	6 mm	10
210152	HSS Drill	6.5 mm	10
210153	HSS Drill	7 mm	5
210154	HSS Drill	7.5 mm	3
210155	HSS Drill	8 mm	5
210156	HSS Drill	8.5 mm	3
210157	HSS Drill	9 mm	3
210158	HSS Drill	9.5 mm	3
210159	HSS Drill	10 mm	3
210160	HSS Drill	10.5 mm	3

Cross Reference List
OE No. - HC-CARGO No.

Edition 2021/2023

ISO 9001 BUREAU VERITAS Certification

ISO 14001 BUREAU VERITAS Certification

O.E. No.	HC-CARGO
AGRI	
029850	080390
181902985	080390
60079	100511
AJBA	
22.001	171872
BS.14.815	170829
BS.16.900	170809
BS.17.012.HO	170835
BS.19.800	171049
CT.52.000	170170
CT.52.010	170169
CT.52.040	170165
CT.54.000	170677
CT.54.010	170676
CT.54.040	170675
CT.58.000	170628
CT.58.010	170627
CT.58.040	170626
CT.59.000	170631
CT.59.010	170630
CT.59.040	170629
CT51.040	170163
FA.87.000	170941
FA.87.251	170834
FA.87.979	170828
FM.01.210HO	171590
FM.20.001HO	171005
FM.22.001HO	171561
FM.40.0000	172114
FP.11.003	170939
FP.11.004	170940
FP.11.251	170833
FP.18003SI	171822
FP.23.973-HO	171935
FP.62.204	171056
FP.62.205	171057
FP.62.206	171058
FP.62.207	171059
FP.62.295	171372
FP.62.296	171373
FP.63.110	171050
FP.63.120	171051
FP.63.130	171052
FP.63.140	171053
FP.63.150	171054
FP.63.160	171055
FP.70.204PC	172070
FP.70.205PC	172071
FP.72.010IBPC	172068
FP.72.040IBPC	172069
FP.80.110	171870
FP.80.140	171871
FP.80.204	171833
FP.80.205	171834
FX.10.641	170654
FX.81.013HO	171614
GF.10.136	170942
GF.15.013HO	170830
GF.15.023HO	171019
GF.15.210HO	170945
GF.18.013HO	171588
GF.20.290	171795
GF.25.013HO	171587
GF.30.041	170292
GF.30.042	170387
GF.30.043	170788
GF.30.045	180376
GF.30.047	180377
GF.30.612	171513
GF.35.011HO	171577
GF.45.013HO	171793
GF.70.701	171518
GF.80.011HO	171060
GF.80.012HO	171061
KT.22.000	171818
KT.24.000	171821
KT.24.001	171873

O.E. No.	HC-CARGO
PC.02.000	170979
RL.80.204	172057
RL.80.205	172051
RL.80.206	172052
RL.80.207	172058
RL.82.110(SX)	172047
RL.82.130(DX)	172048
RL.82.140(DX)	172049
RL.82.160	172050
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2761	171025
2762	171025
ALFA ROMEO	
105640406001	AS301
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113540402100	070054
116006513500	160265
116006513503	160265
116110402100	070053
116460102100	070054
116460402100	070054
116760403090/65	080696
116851101600	181584
116851101600/00	181584
116851104300	160352
119110402100	070053
119111101600	181584
16124101601	181760
161241101601	181585
162281101600	181585
164761113500	160354
19505104300	160353
19505110430	160353
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46423987	181847
46432103	150849
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46533308	181924
46548037	150246
46555974	161761
46559804	181945
46559828	181956
46736814	161862
46750241	181845
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46811312	181973
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55209194	182076
55219294	182084

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55242637	150867
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5963516	181584
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60815805	161761
60815889	161822
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71734716	161768
71769759	161862
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77364869	182051
7749145	161886
7777344	150873
77773440	150873
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9652746480	161759
9946866	180875
ALFATRONIX	
DD1224072	160642
DD1224168	160644
DD1224240	160646
DD1224400	161072
DD1224600	161073
DDI2424072	161074
DDI2424108	161075
DDI2424168	161076
DDI2424240	161077

O.E. No.	HC-CARGO
IC23012240	160875
IC23024300	160874
MPV15	160580
MPV6	160579
PT10	161014
PT100	161018
PT20	161015
PT200	161019
PT40	161016
PT60	161017
PV12I	160392
PV12S	160306
PV18I	161079
PV18S	161080
PV24I	161081
PV24S	160389
PV3I	160390
PV3S	160387
PV50S	160640
PV6I	160391
PV6S	160388
ALLIS	
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AMC	
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7700729963	181584
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8953004243	181584
JO854136	181584
TO708955	181584
TO729963	181584
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33909132	170636
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42939536	171312
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42940536	171312
42941000	171311
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44847000	170998
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44848000	170999
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55951000	171166
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77164000	170925
77306000	170943
77309135	170944
AUDI ↪ VW	

O.E.M. names and numbers are used for reference purposes only.

O.E. No.	HC-CARGO
BERU	
0100100305	100079
0100101308	100079
0100220101	100512
0100220103	100512
0100220114	100251
0100220118	100271
0100220119	100271
0100220206	100086
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0100221154	100261
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0100221168	100302
0100221186	100245
0100221311	100295
0100221806	100566
0100222101	100258
0100222302	100262
0100222304	100262
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O.E.M. names and numbers are used for reference purposes only.

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O.E.M. names and numbers are used for reference purposes only.

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O.E.M. names and numbers are used for reference purposes only.

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O.E.M. names and numbers are used for reference purposes only.

O.E. No.	HC-CARGO
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O.E.M. names and numbers are used for reference purposes only.

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NU11-7T1	191305
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CH152	100644
CH154/002	100260
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CH190	100544
CH196/002	100565
CH203/002	100536
CH205	100531
CH207/002	100544
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CH215/002	100538
CH218	100537
CH222/002	100645
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O.E.M. names and numbers are used for reference purposes only.

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P60.4	160326
P65	160327
P65.1	160327
P65.2	160370
P70	160328
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P702	160411
P80	160329
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O.E.M. names and numbers are used for reference purposes only.

FAE *continued*

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79176	150832
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O.E.M. names and numbers are used for reference purposes only.

O.E. No.	HC-CARGO
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80251	150638
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80257	150923
80261	150187
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80265	150612
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4151564	180631
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O.E.M. names and numbers are used for reference purposes only.

O.E. No.	HC-CARGO	O.E. No.	HC-CARGO	O.E. No.	HC-CARGO	O.E. No.	HC-CARGO
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O.E.M. names and numbers are used for reference purposes only.

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7628059	160353
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7648798	150379
7657703	161877
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77364145	182051
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77364869	182051
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7748867	181021
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7750754	160353
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77773440	150873
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7787256	150354
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1051396	181983
10533108	181590
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1087770	182403
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1089877	161777
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1093816	161859
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1113382	181590
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1119320	182429
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1119890	182009
1119939	182068
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1129988	150724
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1209109	181920
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1224925	150637
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O.E.M. names and numbers are used for reference purposes only.

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1308228	161803
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1313847	182610
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1317972	150416
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1319285	182143
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1333611	182015
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1338675	181997
1346366	181706
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1348614	181929
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1356184	181909
1358343	150880
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1358961	150718
1361185	161876
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1365122	182254
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1371654	150722
1376235	181941
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1465190	161884
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4042004	182432
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4370937	182345
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O.E.M. names and numbers are used for reference purposes only.

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71BG15520FA	181147
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76BG15520A/B	181147
76BG15520AB	181147
76BG15520AIB	181147
76BG15520B	181147
76BG15520AA	181147
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785F6M090CA	100511
786B6M090CA	100511
78GB6M090CA	100511
795F6M090BA	100303
795F6M090CA	100303
795F6M090AA	100303
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O.E.M. names and numbers are used for reference purposes only.

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O.E.M. names and numbers are used for reference purposes only.

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PI-42	100275
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42046397	171230

O.E.M. names and numbers are used for reference purposes only.

O.E. No.	HC-CARGO
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42069397	160394
42096498	160394
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42533804	192569
42537930	192586
42556816	192569
4448131	180804
4609596	090187
4648022	090187
4660069	090187
4667509	090187
4709282	090187
4718222	160216
4740717	090187
4756678	090187
4757883	090187
4802839	080188
4899689	081115
5000287954	160216
5001834021	181700
500303029	182072
500324346	161822
500332364	182234
500342090	181914
504007426	181914
504066407	161882
504083015	181700
5040830150	181700
504092335	161760
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504360149	182072
504369148	182072
5045051082	182234
5158609	160216
5946923	160354
5963516	181584
62190090	090202
71445067	090315
73503657	182073
751874	160337
752785	090202
7612955	150098
7619303	181760
76193030	181760
7648798	150379
764898	150379
7668286	181816
7674048	181780
79007284	160169
8024227	181816
8033609	181816
8092471	090315
8109522	160081
9462703	160424
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97103581	160769
99318040	081040
99463242	170998
99463243	171098
99463244	170999
9981541	090202
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09477509	180950
31556605	181005
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02JLM21842	160282
02LHF6703AA	160282
27DAC7687	160403
7G919D375AA	181768
9X2Q9D375AA	181834
AGU1108	181584
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AJ811224	150973
AJ812337	182055
AJ85329	182055
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C2S38497	181590
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CAC4269	070053
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DAC2549	181584
DAC6907	181585
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1104LL	171113
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1322	170349
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1338LL	170659
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1416	170454
1416	171076
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1418LL	171992
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1551	171119
1552	170456
1601	170410
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1601-AMBER	170782
1601-GREEN	170783
1601-RED	170785
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1602	171108
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1607	170813
1608	170758
1609	170755
1611	170331
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1611-GREEN	170779
1612	170476
1612	171106
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1612-GREEN	170806
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1621	170347
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1624	170754
1628LL	170662
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1715	171095
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1741	170342
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1897	170742

O.E.M. names and numbers are used for reference purposes only.

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2000	171132
20238	170726
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24338	170509
249CB-WO	172182
252WO	172172
252YO	172173
260RO	172158
260WO	172159
260YO	172157
264RO	172161
264WO	172160
264YO	172162
265RO	172167
265WO	172168
271BO	172180
271RO	172179
271WO	172181
27225	170725
27243	171027
342WO	172171
352RO	172174
352WO	172175
352YO	172176
360WO	172163
364RO	172165
364WO	172164
364YO	172166
365WO	172169
371RO	172177
371WO	172178
37755	170664
50440MPU	171064
7234	171977
H5360	H5360

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988-00030	AS301
F8251	AS301

JEEP ↪ CHRYSLER

JOHN DEERE

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001780	171230
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014375	190766
106197	171230
14372	160337
15730019	160216
15730019	160337
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59024	160216
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AL150015	160081
AL150478	172269
AL174341	172269
AL175528	172269
AL175529	172269
AL202742	172269
AL202743	172269
AL205375	172269
AL207376	160282
AL208596	160081
AL25957	190273
AL29657	160081
AL32891	160263
AL55738	190766
AL61578	160919
AL76702	160919
AL76702ALT	160919

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AL78988	RT2002
AL80402	150407
AT17387	AS301
AT17387T	AS301
AZ26995	190766
AZ26996	160265
AZ34937	160244
AZ41570	172270
AZ41571	172270
AZ55251	160083
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AZY753658	172270
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RE219708	172269
RE233263	172269
RE567623	172269

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01172393	160216
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01287482	090202
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0154170514	090076
0155190601	080390
03360189	180634
04154913	150056
04194051	160081
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1164015	160265
1168501	180634
1169087	160216
1171929	160266
1172869	180634
1177424	150056
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1287485	090016
1287489	090016
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3366125	090015
3369488	090076
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3550549	090016
4154913	150056
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4232083	160216
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0K2NA18861	181591
0K2NA-18861	181591
0K2AA15907	161877
0K2AA-18861	181588
0K32A-13210	182644
0K32A18861	181590
0K32B18861	181590
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0K71018140A	100515
0K75A18140	100515
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2521204150	161813
2521226000	161771
252122A132	161811
252122A310	161878
2521237161	161853
27120-21020	150096
27120-21050	150096
27300-2E000	150899
27300-3F100	150672
27301-02502	150888
27301-02600	150638
27301-02630	150638
27301-03110	150894
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27301-23700	150905
27301-23710	150905
27301-23900	150898
27301-26600	150892
27301-2B000	150627
27301-2B010	150632
27301-2B100	150626
27301-38020	150642
27310-02620	150638
27310-22600	150607
27310-22610	150607
28164-22051	182272
28164-22060	182272
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28164-22610	181971
28164-23700	181969
28164-23720	181969
2816427000	182273
28164-27000	182273
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28164-2A401	182044
28164-2A500	182044
2816437200	182235
28164-37200	182235
28164-4A000	181966
33818-27000	081115
36710-27000	100595
36710-27010	100595
36710-2A100	100661
36710-2A200	100661
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36710-2A700	100687
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36710-4A000	100651
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36710-A4710	100651
39180-22600	150678
39180-26900	150678
391802A000	150728
39180-2A100	150728
391802A200	150728
39180-2B000	150716
39180-2B100	150716
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3920042030	182129
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3921002620	181591
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3921002630	181591
39210-02630	181591
3921002640	181591
39210-02640	181733
3921002900	181591
39210-02900	181591
3921002910	181591
39210-02910	181591
39210-03020	181776
39210-03030	181705
39210-21320	181584
39210-21340	181584
3921022017	181585
3921022018	181584
3921022026	181590
3921022030	181588
39210-22030	181588
3921022045	181588
39210-22045	181588
3921022050	181588
39210-22050	181588
3921022051	181588
39210-22051	181588
39210-22600	181699
3921022610	181591
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3921022620	181591
39210-22620	181591
3921022810	181591
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3921023025	181588
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3921023030	181588
39210-23030	181588
3921023035	181588
39210-23035	181588
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39210-23036	181588
3921023046	181588
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39210-23500	181591
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39210-23710	181696
3921024310	181584
3921024320	181584
3921024520	181584
3921024550	181584
3921024610	181590
3921024660	181590
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39210-2B040	181776
39210-2B130	181776
39210-2B140	182482
39210-2B160	181803
39210-2B210	181803
39210-2B320	181705
39210-2E400	181803
39210-2X010	181590
392102X020	181590
39210-32500	181584
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3921033010	181590
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3921033070	181590
3921033340	181590
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39210334601	181591
3921033461	181591

O.E.M. names and numbers are used for reference purposes only.

O.E. No.	HC-CARGO
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3921035121	181590
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3921038005	181590
3921038015	181591
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39210-39840	181591
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39300-03000	182109
39300-22600	182057
39300-2A000	150864
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39300-2B100	182109
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39300-38110	182057
39300-38120	182057
39300-38200	182112
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39310-38050	150871
39330-24750	180557
39350-22040	150834
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39350-2A400	181763
39350-2A410	181771
39350-2A420	181779
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39350-2B010	150986
39350-2B030	150986
3935032510	181584
39350-3F000	150867
393504A410	181714
39350-4A410	181714
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94750-11102	180641
94750-11110	180641
94750-21000	180641
94750-21010	180641
94750-21020	180641
94750-21030	180641
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95670-07100	182586
95670-07110	182584
95670-07500	182585
95670-3W300	182578
95671-3W300	182579

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95680-2S300	182580
95681-2S300	182582
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977132D510	161751
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KK14015909	161877
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MBPD418861A	181591
MZ553-18861	181591
MZ55318861A	181590
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6008-15-1340	100280
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15221-65513	100435
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15521-65512	100434
16096-14233	150451
16241-65511	100523
16261-65511	100523
16604-05230	090333
16616-60011	090216
16851-65512	100518
19077-65510	100524
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737515000	160443
73751591000	160441
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2101-3705060	150395
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245195200	090016
LANCIA ↪ FIAT	
LANDROVER ↪ ROVER GROUP	
LIEBHERR	
10197021	160270
104400031	190766
104400164	160919
11181810	160215
11181810	160978
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510657677	090076
5121002	080793
570006523	080111
570027123	090198
571477208	080742
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6001637	190767
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607108808	171230
6071106	160199
607110608	160199
607126601	171230
607128301	170936
6200082	160337
6200906	160337
6200907	190766
6202284	190766
6202511	160337
630105408	160337
6301203	160308
630120308	160308
630121008	160266
630121508	160216
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630122808	160337
6301229	190766
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630122990	190766
6301423	160215
630142314	160215
630160214	160216
630160805	160216
630191801	190766
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7006472	080692
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7381047	081115
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190726	190726
192404	192404
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34228	181235
34542	180790

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36614	181237
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54134027	192228
54142360	191287
54324157	181465
54960402	132804
60600983	132804
7111/296	AS301
CIM15A	100262
DAB405	150098
DS001	100511
DS002	100511
DS003	100511
DS004	100512
DS005	100086
DS006	100511
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DS008	100512
DS010	100262
DS012	100263
DS017	100246
DS018	100256
DS019	100260
DS020	100258
DS022	100282
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DS024	100251
DS025	100252
DS026	100261
DS028	100247
DS032	100245
DS034	100275
DS047	100256
DS052	100284
DS056	100303
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DS058	100303
DS061	100287
DS065	100254
DS068	100271
DS082	100331
DS101	100079
DS122	100511
DSC02	160424
DSC18	160417
DX1A	100511
ELBX149	170413
ELBX150	171102
ELBX207	170773
ELBX233	170774
ELBX241	170349
ELBX245	170772
ELBX246	170793
ELBX249	170795
ELBX286	170775
ELBX380	170770
ELBX382	170335
ELBX395	171975
ELBX434	171082
ELBX453	170333
ELBX460	170836
ELBX472	171066
ELBX475	170348
ELBX477	171077
ELBX501	171105
ELBX501A	171123
ELBX505	171106
ELBX507	171106
ELBX508	171095
ELBX508T	170358
ELBX580	170776
ELBX581	171089
ELBX588	171090
ELBX921	171403
ELBXD2R	171132
ELBXD2S	171133

O.E.M. names and numbers are used for reference purposes only.

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FDB501	160352
FDB502	160350
FDB504	160295
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FDB506	160354
FDB508	160372
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FDB511	160375
FDM645	181966
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FDM652	181936
FDM654	181975
FDM657	181964
FDM663	181933
FDM666	181945
FDM667	181956
FDM674	181924
FDM675	181954
FDM683	181961
FDM684	181957
FDM695	181963
FDM698	181994
FDM708	181965
FDM719	181973
FDM725	181955
FDM763	182228
FDM767	181932
FDM789	181930
FDM804	181978
FDM835	181970
FDM847	181953
FDM850	181969
FDM859	181991
FDM932	182039
FDM962	181971
HDC101	160423
HDC102	160424
HDC103	160425
HDC104	160420
HDC105	160418
HDC111	160419
HDC113	160417
HDC114	160458
HDC116	160441
HDC117	160443
HDC118	160442
HDC122	160426
HDC124	160438
HDC125	160436
HDC126	160434
HDC127	160421
HDC128	160469
HDS124	100258
HDS216	100511
HDS217	100511
HDS218	100511
HDS219	100512
HDS220	100086
HDS221	100511
HDS222	100303
HDS223	100512
HDS225	100263
HDS226	100566
HDS227	100263
HDS232	100246
HDS234	100260
HDS235	100258
HDS237	100282
HDS238	100280
HDS239	100251
HDS240	100252
HDS241	100261
HDS243	100247
HDS245	100256
HDS247	100245
HDS249	100275
HDS262	100256
HDS266	100284
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HDS271	100303
HDS272	100286
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HDS280	100254
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HDS341	100512
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HDS345	100292
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HDS352	100331
HDS353	100511
HDS355	100323
HDS358	100306
LLB024	170006
LLB0452P	170694
LLB1046	170718
LLB149	170413
LLB149-LLP/X2	170413
LLB149P	170413
LLB149T	170413
LLB180	170710
LLB180P	170710
LLB180T	170710
LLB187A	171869
LLB207	170773
LLB207PX2	170773
LLB207S	170773
LLB207T	170773
LLB209	170593
LLB209PX2	170593
LLB209T	170593
LLB241	170349
LLB241P	170349
LLB241T	170349
LLB245	170339
LLB245PX2	170339
LLB245S	171402
LLB245T	170339
LLB246	170351
LLB246HD	170351
LLB246T	170351
LLB249	170417
LLB249T	170417
LLB281	170448
LLB281P	170448
LLB281T	170448
LLB283	170456
LLB283T	170456
LLB286	170410
LLB286A	170782
LLB286AP	170782
LLB286AT	170782
LLB286G	170783
LLB286GP	170783
LLB286GT	170783
LLB286-MFH/ZT	171382
LLB286-MFHZ	171382
LLB286PX2	170410
LLB286R	170785
LLB286RP	170785
LLB286T	170410
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LLB286TB1	171284
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LLB286TFB	171112
LLB286-TFBT	171112
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LLB286-TFTT	171384
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LLB286TGT	170545
LLB286THB	170727
LLB286-THBP	170727
LLB286-THBT	170727
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LLB286-THPP	170610
LLB286-THPT	170610
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LLB286-TVWP	170612
LLB286-TVWT	170612
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LLB286TWT	170611
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LLB288	170345
LLB288T	170345
LLB289	170416
LLB289T	170345
LLB290	170349
LLB290T	170349
LLB293	171492
LLB294	170452
LLB294T	170452
LLB298	170816
LLB343	170335
LLB343P	171091
LLB343T	171091
LLB380	170336
LLB380PX2	170336
LLB380T	170336
LLB382	170335
LLB382PX2	170335
LLB382T	170335
LLB384	171476
LLB384T	171476
LLB394	171985
LLB395	171975
LLB410	170338
LLB410P	170338
LLB423	171477
LLB429	170350
LLB434	170741
LLB434P	170741
LLB442	171407
LLB453	171687
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LLB453PR	171687
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LLB466P	170449
LLB472	170334
LLB472HD	170334
LLB472P	170334
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LLB475PR	170348
LLB475R	170009
LLB475RS	170513
LLB477	170720
LLB483	170496
LLB483P	170496
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LLB484P	171065
LLB484R	170009
LLB485	170359
LLB485P	170359
LLB489	171405
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LLB490P	170513
LLB492	170512
LLB495	170362
LLB501	170347
LLB501A	170754
LLB501AP	170754
LLB501AT	170754
LLB501BLT	171122
LLB501-BPX2	171122
LLB501PX2	170331
LLB501T	170347
LLB504	170331
LLB504P	170331
LLB504T	170331
LLB505	170805
LLB505P	170805
LLB505T	170805
LLB507	170542
LLB507P	170542
LLB507T	170542
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LLB508G	170477
LLB508T	170477
LLB508TAC	170358
LLB508-TACP	170358
LLB508-TACT	170358
LLB508TB1	171284
LLB508TGY	170613
LLB508-TGYT	170613
LLB567	170850
LLB567T	170850
LLB580	170776
LLB580P	170776
LLB580T	170776
LLB581	170648
LLB581PX2	170648
LLB581T	170648
LLB582	170777
LLB582A	171398
LLB582AP	171398
LLB582AT	171398
LLB582P	170777
LLB582T	170777
LLB588	170849
LLB588T	170849
LLB641	171490
LLB700	170752
LLB700A	170751
LLB700AP	170751
LLB708	171034
LLB708P	171009
LLB709	171035
LLB709P	171035
LLB710	171036
LLB711	171037
LLB711P	171037
LLB713	171796
LLB775	170800
LLB784	170837
LLB880	171009
LLB880P	171009
LLB881	171010
LLB881P	171010
LLB9005	171804
LLB9005P	171804
LLB9005XS	171804
LLB9006	171794
LLB9006P	171794
LLB9006XS	171794
LLB9008	171796
LLB921	171403
LLB921A	171402
LLB921T	171403
LLD2R	171132
LLD2S	171133
LLD3S	171712
LLD4R	171711
LLX472-BL50	170802
LLX472BL50X2	170009
OPS101	180649
OPS103	180649
OPS104	180649
OPS110	180634

O.E.M. names and numbers are used for reference purposes only.

O.E. No.	HC-CARGO
LUCAS *continued*	
OPS112	180631
OPS113	180631
SEB1006	150868
SEB1009	150849
SEB1043	150836
SEB1124	150743
SEB1128	150880
SEB1151	150699
SEB1159	150842
SEB123	181850
SEB1375	150703
SEB149	150870
SEB161	150748
SEB1651	150700
SEB404	150873
SEB410	150865
SEB445	150725
SEB841	150837
SEB873	150834
SEB880	150730
SEB947	182052
SFB165	160314
SMB406	180009
SMB412	180731
SMB418	180734
SMB423	180790
SMB511	181191
SMB512	181182
SMB526	181201
SMB528	181212
SMB531	181194
SMB539	180785
SNB150	180950
SNB606	180959
SNB618	180985
SNB701	180954
SNB702	180953
SNB703	180945
SNB708	180949
SNB713	181015
SNB714	181005
SNB718	181008
SNB723	181001
SNB727	181009
SNB730	181021
SNB768	181121
SNB785	181034
SNB792	181076
SNB793	181077
SOB101	180649
SOB103	180649
SOB104	180649
SOB500	180634
SOB501	180634
SOB502	180634
SOB503	180658
SOB507	180635
SOB600	180631
SOB601	180631
SOB802	180636
SOB807	180641
SPB400	180790
SRB525	160308
SRB528	160168
SRB701	160364
SSB100	181476
SSB101	181476
T1W6A	100086
TIX1A	100512
TIX2A	100511
TIX4A	100511
TIX6A	100511
UX1A	100086
UX2A	100511
UX4A	100511
UX7A	100284
UX8A	100512
UX9A	100511
UXA2	100511

O.E. No.	HC-CARGO
MAGNETI MARELLI	
062900011304	100639
062900030304	100642
064342204010	160671
064342210010	160671
07029585	100511
116459169917	180631
116459169925	180631
116580459904	180945
116580679904	181021
116580729901	181001
116580729908	181009
116580729913	181005
116580739902	181009
116580739927	181005
116596409901	180804
210843	210843
210948	210948
34542	180790
410782000800	100352
417747190000	100348
50202402	182053
50203502	181816
64833031	150165
64833031010	150165
64848002010	150701
64848017010	150725
806000000000	182059
BAE800EK	150419
BAE801EK	150419
CA0075738A	182098
KITTPRT05	182059
MTR03	150098
REP1A	160423
TPRT05A	182059
MAGNETON (PAL/SKODA)	
210843	210843
210948	210948
852018	180634
852076	180634
MAN	
36259020007	160337
51.98701-0118	081115
51259190016	150557
81.25229-6051	170968
81.25435.0040	180399
81.25475-0152	192902
81.25902.0102	160216
81.25902.0109	160169
81.25902.0110	160168
81.25902.0111	160081
81.25902.0130	160216
81.25902.0171	160337
81.25902.0238	160081
81.25902.0248	160337
81.25902.0250	160216
81.25902.0250	160337
81.25902.0446	160265
81.25902.0461	160216
81.25902.0474	160337
81.25902-0102	160317
81.25902-0155	160769
81.25902-0264	161035
81.25902-0317	161035
81.25902-0363	161035
81.25902-0425	161035
81.25902-0452	161035
81.25902-0460	160317
81.25902-0474	160394
81.25902-0491	161035
81.25902-0519	161035
81.25902-0520	161035
81254350045	190767
81254350888	190766
81259020017	160266
81259020102	160216

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81259020199	160216
81259020436	160216
81259020461	160216
81259020474	160266
81619300055	161719
88.25902.0005	160216
88259026005	160216
MASERATI	
13800M55KD0	181987
CA0075738A	182098
MASSEY FERGUSON	
2868360M1	090016
3141063M2	160263
3387326M2	160311
3615652M1	160081
3713135M1	172270
4270844M1	160282
427129M91	172270
4272431M1	160919
4272432M1	160403
MATSUSHITA	
192145	192145
MAZDA	
0258-00-2035	181584
0710-18-100	150395
0710-18-100B	150395
0K2AB-18-861	181588
10E3-18-10X	150416
1345-18-501	180641
1A01-18-861	181584
1A02-13-210A	181591
1A02-18-861	181591
1A02-18-861A	181591
1A06-18-861A	181591
1A08-18-861	181590
1A08-18-861A	181590
1A10-18-861	181591
1A16-18-861	181591
1A17-18-861	181591
1E00-18-221	150442
1E00-18-221	150711
1E00-18-501	180636
1E00-18-501A	180636
1E0043701A	181882
1E0043701B	181882
1E00-43-711	182404
1E00-43-711A	182403
1E0315907	161768
1E0315907A	161768
1E0315907B	161768
1E03-18194-A	150833
1E03-18-194A	150833
1E04-18-10X	150416
1E04-18-760	180893
1E04-18-760A	180893
1E0515907	161744
1E05-18-100B	150416
1E07-15-907	161859
20LF010300	182009
8601-18-861	181584
96FB6C301BC	161778
96MF6C301AC	161759
96MF6C301BC	161744
AJ03-18-861D	181590
AJ51-18-861	181590
AJ51-18-8619U	181590
AJ52-18-861	181591
AJ52-18-861A	181591
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AJ53-18-861A	181590
AJ53-18-861A9U	181590
AJ57-18-861A	181590
AJ57-18-861B	181590
AJ59-18-861B	181590

O.E. No.	HC-CARGO
AJ59-18-861C	181590
AJ60-18-861A	181590
AJ60-18-861B	181590
AJ95-18-861	181590
AJ95-18-8619U	181590
AM15-18-861	181584
AM15-18-V20	150096
AM30-18-861	181584
AM30-18-8619U	181584
B303-18-861B	181584
B303-18-V20	150417
B31R-18-861A	181585
B359-18-861	181584
B365-18-501	180641
B366-18-501	180641
B367-18-501	180641
B376-18-861	181584
B3C715907C	161771
B3C7-18-861A	181585
B541-18-V20	150234
B564-18-861	181584
B5E1-18-861B	181590
B5F3-18-861A	181590
B601-18-861	181584
B61P15907A	161771
B61R-18-861	181584
B61R-18-861A	181584
B61R-18-861A9U	181584
B61R-18-861B	181584
B61Z-18-861A	181584
B6A7-18-861	181584
B6B1-18-861	181584
B6B1-18-8619U	181584
B6B3-18-861	181584
B6B3-18-861A	181584
B6DC-18-861	181585
B6DC-18-861A	181585
B6EX-18-861	181790
BEH1-18-861	181584
BP03-18-861	181584
BP03-18-861A	181584
BP03-18-861B	181584
BP03-18-861B9U	181584
BP3A-18-861	181591
BP3A-18-8619U	181591
BP3B-18-861	181591
BP3B-18-86Z	181591
BP3B-18-86Z9U	181591
BP3C-18-8619U	181591
BP3D-18-861	181591
BP3D-18-8619U	181591
BP4K-43-701	181911
BP4K-43-701A	181911
BP4K43711A	181896
BP4K-43-711A	182623
BP4K-43-711B	182623
BP4W-18-861B	181591
BP4X-18-861	181591
BP4X-18-861A	181591
BP4X-18-861A9U	181591
BP4Y-18-861A	181591
BP4Y-18-861C	181591
BP4Y-18-861C9U	181591
BP6F-18-861	181590
BP6F-18-861B	181590
BP6F-18-861B9U	181590
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BP6G-18-861C	181591
BP6G-18-861C9U	181591
BPD3-18-861A9U	181591
BPD3-18-891A9U	181591
BPD4-18-861	181591
BPD4-18-861A	181591
BPD4-18-861A9U	181591
BPE1-18-861	181590
BPE1-18-861A	181590
BPE1-18-861A9U	181590
BPE815908	161771
BPE8-18-861	181591

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O.E. No.	HC-CARGO
BPE8-18-861A	181591
BPE8-18-861A9U	181591
BPS1-18-861	181591
BPS1-18-86ZB	181591
C201-15-900	161875
C201-15-907	161875
C201-15-907A	161875
C201-15-907B	161875
C201-18-100A	150416
C201-18-100B	150416
C20118211A	182055
C201-18-221	150709
C201-18-230	150827
C201-18-861	181591
C601-18-861	181591
D351-43-71YA	182400
E563-18-861	181584
E564-18-861	181584
E565-18-861	181584
E663-18-861	181584
E730-12-4910	150096
F201-18-861	181584
F201-18-861A	181584
F201-18-861A9U	181584
F287-18-861	181584
F505-18-381	161877
F512-18-381	161877
F559-18-381	161877
F80115907C	161771
F829-18-V20	150160
F8G8-18-8619U	181584
FE05-18-861	181584
FE86-18-861	181584
FE86-18-861A	181584
FE86-18-861B	181584
FE86-18-861B9U	181584
FEFB-18-V20	150160
FEH1-18-861	181584
FEH1-18-8619U	181584
FP33-18-861B	181590
FP35-18-861B	181590
FP49-18-861	181591
FP49-18-8619U	181591
FP50-18-861	181591
FP50-18-861A	181591
FP50-18-861A9U	181591
FS05-18-381	161877
FS05-18-381X	161877
FS0518381X9F	161877
FS1G-18-861	181591
FS1G-18-861A	181591
FS1H-18-861	181591
FS1H-18-861A	181591
FS1J-18-861	181590
FS1J-18-861A	181590
FS1K-18-861	181591
FS1K-18-861A	181591
FS2V-18-861A	181590
FS2V-18-861B9U	181590
FS59-18-381A	161877
FS7N-18-861	181590
FS7N-18-8619U	181590
FS8B-18-861A	181591
FSAX-18-861	181591
FSAX-18-861U	181591
FSC1-18-861	181590
FSC1-18-861A	181590
FSC1-18-861B	181586
FSC1-18-861B9U	181590
FSC5-18-861	181585
FSC5-18-861A	181585
FSC5-18-861A9U	181585
FSC6-18-861	181590
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O.E.M. names and numbers are used for reference purposes only.

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O.E.M. names and numbers are used for reference purposes only.

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O.E.M. names and numbers are used for reference purposes only.

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O.E.M. names and numbers are used for reference purposes only.

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Y-112R-1	100254
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Y-114T	100521
Y-115T-1	100246
Y-118R	100258
Y-118T	100260
Y-118T-1	100260
Y-128T	100256
Y-145T	100636
Y-162R-1	100252
Y-178T	100280
Y-197T	100282
Y-204TS	100512
Y-204V	100512
Y-205RS	100271
Y-206T	100511
Y-207	100512
Y-207TS	100512
Y-208T	100511
Y-2712	100658
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Y-404	100566
Y-503R	100436
Y-504J	100533
Y-508J	100651
Y-517J	100646
Y-527J	100661
Y-547AS	100641
Y-55RS	100276
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Y-609AS	100673
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Y-702U	100522
Y-703R	100511
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Y-707RS	100287
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Y-902R	100511
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Y-904M1	100657
Y-907R	100303
Y-908R	100511
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Y-910J	100303
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Y-911R	100303
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YE04	100593
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192145	192145

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11065-V7203	100324
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1172000Q5F	161857
1172000Q5G	161874
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1172000QA2	161762
1172000QA2	161864
1172000QAJ	161743
1172000QAP	161834
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117201KT0A	161868
117204P10A	161800
1172052F00	161886
11720AZ71A	161762
11720BN700	161859
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11720D4291JP	161867
11720D4291KE	161867

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119202Y501	161799
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1192053J00	161861
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1192070J00	161861
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16626-09W00	080388
16626-0M900	080736
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22448-1KT0A	150611
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22448-65E00	150893
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O.E.M. names and numbers are used for reference purposes only.

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226A1-AR210	181697
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226A4-7142REW	181802
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23731-1KT0A	150962
23731-1VA0A	150962
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23731-4M50B	150687
23731-4M50C	150687
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23731-6J90C	150681
23731-6J966	150681
23731-6J96B	150681

O.E.M. names and numbers are used for reference purposes only.

O.E. No.	HC-CARGO
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23731-BN701	150845
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23750-00QAJ	150674
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1238542	160352
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1238550	160297
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1238627	160416
1238788	180557
1238915	150851
1238917	181889
1238937	150857
1238938	150757
1238966	160295
1238983	150690
1239260	181150
1239266	181182
1239271	181182
1247047	182058
1247474	182051
1247491	150737
1247506	182527
1249111	150879
12565428	181591
12567680	181591
12569391	181591
12671611	182034
12671616	181985
12671624	182045
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12855457	150456
13100504	160919
13101741	160904
13103981	182473
13171831	160282
13266315	160919
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13381153	182527
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13381329	182412
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1338451	180875
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1338467	181395
1338506	180636
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13386536	182045
1340008	161863
1340611	161878
1340615	161788
1340616	161761
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1340626	161761
1340627	161761
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1340637	161886
1340645	161803
1340646	161761
1340728	161803
1340745	161761
1341010	181034
13411010	181034
13432262	182045
13500118	160282
13500119	160403
13500120	160282
13505433	182045
1450156	160197
1450174	160197
1450182	160197
16017433	150062
17094050	182520
17095232	182520
17098055	181995
17098361	182003
17200272	181995
1780229	080696
1854713	161788
1854714	161788
1854723	161788
1875990	150058
1978778	150062
22127653	160197
24402859	181592
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24403182	181825
24403860	181592
24404016	182242
24413294	161772
24414665	182259
24420584	150633
24420591	181722
24420594	181783
24420614	181932
24420761	182090
24437502	182652
24438887	160282
24439252	181974
24445720	182424
24452491	182261
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25163613	181584
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25177596	181765
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25195555	150879
25195556	150830
25198945	150959
2532363	181835
25323632	181835
25323633	181835
25324206	181842
25358054	182646
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3436400	160216
3436400	160337
3641392	151007
3641711	182453
4401810	180905
4402560	150404
4402729	150674
4402733	181926
4408389	150505
4409668	182049
4409990	160795
4410279	182105
4413233	150505
4414098	150674
4415077	150845
4416764	161120
4416861	182028
4419200	161740
4421645	150845
4430629	150674
4431667	161880
4432202	150505
4432892	150845
4433781	150700
4435200	182049
4506156	160795
4709290	150904
4805506	182156
4805506	182204
4805507	150930
4805511	100660
4819329	150930
5246350	160282
55185077	161759
55189996	181703
55201874	150979
55202584	161851
55204250	181996

O.E.M. names and numbers are used for reference purposes only.

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55215031	181996
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55350045	181934
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55350047	181978
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55351260	182004
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55354141	161736
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555583271	181784
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55561554	181709
55561655	150652
55561912	182040
55562205	181742
55562418	161769
55562426	182034
55562744	150957
55563863	182472
55563925	161758
55565301	161765
55565302	161765
55565708	150879
55565709	150830
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55566905	161863
55566932	150996
55567257	182091
55567559	161864
55568175	182100
55568668	181792
55568859	161760
55569810	161881
55573637	181784
55573735	150649
55577162	181736
55577604	181784
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55579072	150649
55583271	181784
55584404	150651
55588475	100555
55599946	182517
5850801	182078
5851020	182006
5851024	181995
5851025	182003
5851029	182001
5851067	181996
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5851596	182000
5851603	182003
5851604	181995
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6235303	161736
6235604	150868
6235607	150705
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6235645	150456
6235666	150679
6235667	150849
6235685	150853
6235703	182151
6235748	182412
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6235752	150830
6237752	150062
6237753	150063
6237754	150064
6238079	150874
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6238120	182058
6238153	150688
6238159	182058
6238179	181395
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6238325	150690
6238332	182107
6238370	182154
6238391	182087
6238395	150677
6238412	182087
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62388117	150862
6238927	180557
6340619	161755
6340626	161769
6340663	161755
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784059	150867
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815005	070053
815011	070053
815701	180557
819833	080696
821093	081129
821204	080444
821701	080388
82511978	100275
830931	150058
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836457	182034
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836592	181933
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836596	182238
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836635	181974
836639	181934
836644	181932
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855360	181842
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90017882	170936
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90020443	070053
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90040991	100303
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90093897	100511
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9018201	100544
90188755	150098
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90228928	160416
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90285678	161788
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90357491	150690
90360315	150175
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90398690	190766
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90449739	150196
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90451442	150690
90458250	150668
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90462248	150387
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90464952	160416
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90491314	160403
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90501384	161803
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90502735	161761
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90509315	161878
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90510924	100511
90511443	160919
90520850	150874
90529673	181953
90529914	161772
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90530767	181933
90532619	150468
90536064	150882
90540188	150677
90541338	161761
90541409	182087
90542650	080388
90543014	160403
90543031	182006
90543253	150923
90543281	181738
90543282	181953
90543463	181933
90560110	150923
90560111	150829
90570475	182006
90570476	182006
90570477	182001
90570968	181756
91104945	100532
9110560	150404
9110599	161748
9110733	181926
9111471	161855
91126384	161803
91126385	161761
91150005	161792
9115064	181881
9115115	150686
91159962	161743
91159996	150505
91167211	150674
9117397	182001
9117585	161769
9117586	161769
9117589	161886
9117590	161886
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9117763	182108
9118368	150468
9118374	150829
9118616	161803
9118617	161761
9118698	181765
91202621	181756
9129463	161803
9129968	181756
9157671	182004
9158718	181590
9158718	181704
9160333	161834
9171586	161769
9193654	181756
9194660	161769
9194661	161769
9195606	181825
9195729	182259
9196669	100594
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9201843	150876
9201850	161761
9202575	181590
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93160191	161761
93160741	182367
93160750	161743
93160754	182368
93161069	182368
93161188	150505
93161219	182368
93161272	150876
93161487	182368
93161575	100676
93161809	161880
93161948	150505
93165542	161874
93168407	182600
93169064	182000
93171355	182259
93171356	181933
93171527	182652
93171627	182652
93171760	182234
93171875	100536
93172269	160919
93173727	182238
93174519	181744
93177169	181722
93177212	150633

O.E.M. names and numbers are used for reference purposes only.

O.E. No.	HC-CARGO
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93178045	150456
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93178050	181978
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93178244	181934
93179102	161755
93179391	150679
93179433	150696
93179513	150849
93179803	150845
93179927	181932
93180295	100645
93181138	161755
93181316	161769
93181317	161769
93181712	161803
93182238	161872
93182264	161886
93182266	161769
93183146	182368
93183739	100336
93184406	182041
93184995	182520
93184996	182003
93184997	181995
93185000	182004
93185443	182647
93186800	181709
93188701	182368
93188724	182258
93189082	182000
93189275	182335
93189275	182527
93189335	181999
93189798	181999
93190419	182472
93190433	100688
93190491	182652
93190702	150979
93190703	150979
93191478	182527
93192107	182056
93196393	161761
93197244	100594
93198004	150845
93198161	150700
93198452	150876
93198468	100676
93198888	182600
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94175159	100657
94221719	100245
94241449	100245
94255588	100245
94319700	100292
9522061	160282
95508486	100627
95508489	100645
95510006	181987
95510649	150867
95512815	161862
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95514295	181808
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97080554	100336
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S93322207	181722
V27605030	170936
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2352MFX6	170756
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2473MFX6	171033
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2721MF8	170612
2721MF8W	170545
2721MFHZ	171382
2721MFJF	171384
2721MFX	171024
2722MF	170610
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2741	171108
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3797	170796
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3896	171490
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5008L	171992
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5631	171990
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5637	170793
62203	170009
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64122MF	170751
64124MF	170752
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64132	171082
64136	170742
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64138	171084
64149	170696
64150	170069
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64150NBU	171686
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64150SUP	170965
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64151	170333
64151NBP	171687
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64177	172251
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64183	170681
64185	170718
64193	170334
64193	170768
64193	170804
64193GP	171114
64193L	170657
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64193NBU	171688
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64193SUP	170804
64193SUP	171066
64196	170348
64196	170792
64199	170006
64210	170720
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64211	171037
64211NBU	171690
64211NL	172268
64212	171034
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64215	170800
64215	171080
64215L	171532
64216	172073
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6423	171096
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6438	170005
6439	170591
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6453	170592
6457	170643
6461	170411
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6476	171139
6480	170589
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66144	171613
66154	171683
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66250	171132
66340	171712
66350	171710
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66450	171711
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7225	171093
7234	171977
7240	171994
7240	172033
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7309	170575
7326	171985
7327	171975
7351	171974
7360	171976
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7430	170583
7501	171984
7506	170335
7506	170769
7506L	171979
7507	171089
7507.	170648
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7511	170349
7511	170826
7517	171476
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7527.	171988
7528	170336
7528	170770
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7535	171996
7537	170452
7537	171092
7569.	171991
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7869	171991
7950	171477
7951	170338
7951	170771
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9005	170693
9006	170694
9006XS	171794
9012	172231
9145	171036
921NA	172230
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94196	171125
9507	170849
9507	171090
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9627	170455
9627	171118
9637	170454
9637	171076
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2848A279	090225
3028666	090254
5836B100	090404
PEUGEOT	
0242.12	181005
0242.18	180950
0242.26	180954

O.E.M. names and numbers are used for reference purposes only.

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0242.43	180953
0242.49	180954
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1264.26	181076
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1264.40	181076
126403	181008
126404	181009
126413	181009
126414	181008
126426	181076
126432	181089
126437	181076
126440	181076
128048	161865
1338.10	181373
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133850	180875
133857	180875
1338C7	181395
145059	070053
145070	070054
145205	160354
14888410	182543
1493882080	182543
1494167080	182316
1607576780	150629
160757680	150629
1607578780	182113
161859	181997
1618AN	182478
1618AS	181799
1618GZ	182419
1618HG	181781
1618HQ	182365
1618K9	182470
1618KN	181749
1618LC	182423
1618LL	181748
1618LN	182423
1618N8	182015
1618NE	181711
1618NR	181997
1618PF	182015
1618Q5	182471
1618R0	181712
1618R5	182365
1618S8	182419
1618V0	181748
1618V3	181591
162509	181584
162858	181584
16286R	181727
16287R	181589
16289W	181727
1628C6	182107
1628HN	182480
1628J4	181589
1628JF	182011
1628JZ	182422
1628KN	181590
1628KP	181591
1628KY	182478
1628L4	160424
1628L4	181589
1628LP	181590
1628NY	181590
1628NY	182478
1628XV	182420
1628AA	181589
1810874680	181951
1906-08	AS301
1906-13	AS301
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1920.KX	150880
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19201K	182062
19204S	180557
19205T	150719
19207N	150676
19207S	181923
19207T	182104
19207V	150989
19208Q	181927
19208S	150730
19208W	150978
19209C	150685
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1920AG	181948
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1920AV	150479
1920AV	150732
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1920CZ	182069
1920EH	150692
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1920EK	181929
1920FY	150989
1920GG	181925
1920GH	182066
1920GJ	150691
1920GN	181958
1920GQ	150988
1920GV	181951
1920HH	182017
1920HW	150712
1920J7	180559
1920JH	150853
1920KN	182061
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1920KZ	182121
1920LG	182138
1920LR	150949
1920LS	150875
1920LV	150701
1920NP	150982
1920PW	150693
1920QN	150989
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1920RW	182278
1920SR	150979
1920TS	150979
1920W9	150343
1920X0	182137
194101	080696
197805	080696
197806	080696
198105	080802
198133	080761
2257.22	181156
2257.33	181201
2257.34	181194
2257.40	181194
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225734	181194
225740	181194
225741	181201
321430650	AS301
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4007E7	161762
4009P2	161884
4009Q4	161884
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4534.06	180726
453411	180785
453421	180785
45450	182393
454521	182305
454521	182307
454548	182307
454549	182308
454550	182302
454554	182304
454555	182305
454557	181887
454566	181901
454573	182309
454574	182303
454576	181884
454577	182312
454578	181901
454579	182310
454580	182430
454585	182431
454586	182316
454588	181898
454589	181908
454594	182543
454596	182314
454597	182315
454598	181876
454599	181874
4545A0	182312
4545A3	181890
4545A5	181902
4545A8	182456
4545A9	181891
4545C0	181892
4545C1	182306
4545C2	182311
4545C4	181877
4545C7	182457
4545C9	182458
4545E1	182388
4545E2	182399
4545E4	182319
4545E5	182460
4545E6	182459
4545E8	182454
4545E9	182455
4545F4	181874
4545F5	182320
4545F6	182321
4545G6	181891
4545G7	181892
4545H3	182317
4545H5	181905
4545H6	181903
4545H9	182313
4545J0	181888
4545J8	182460
4545J9	182319
4545K3	182318
4545K6	182313
4545K7	182320
4545K9	182322
4545L0	182393
457403	182132
494551	150098
5,75E+08	161867
5,75E+10	161851
5414813	100262
5471660	070053
5720E2	161799
575073	161801
575080	161751
575087	161838
575087	161859
575089	161743
575096	161777
5750A0	161799
5750A1	161780
5750A2	161742
5750A2	161750
5750A6	161857
5750C3	161757
5750C9	161773
5750D1	161834
5750E2	161799
5750E9	161773
5750EK	161777
5750ET	161804
5750F0	161777
5750F6	161801
5750FG	161804
5750FH	161762
5750FK	161804
5750FL	161871
5750FP	161773
5750FS	161851
5750FT	161851
5750FV	161745
5750GC	161867
5750GG	161759
5750GK	161768
5750GL	161768
5750GN	161748
5750GW	161800
5750GX	161773
5750GY	161774
5750H9	161867
5750HC	161881
5750J0	161851
5750J3	161750
5750J4	161799
5750J5	161748
5750J6	161773
5750J7	161780
5750J8	161853
5750J9	161853
5750K0	161800
5750L1	161778
5750L2	161768
5750L2	161778
5750L3	161773
5750L4	161773
5750LE	161760
5750LG	161777
5750M0	161762
5750M4	161799
5750M5	161799
5750PG	161760
5750PL	161755
5750PN	161755
5750PV	161867
5750Q9	161771
5750QJ	161855
5750QK	161855
5750QL	161760
5750QN	161760
5750QP	161854
5750R6	161744
5750R9	161768
5750RC	161760
5750RE	161760
5750RX	161876
5750S0	161768
5750S3	161858
5750S7	161778
5750T1	161765
5750T3	161774
5750T5	161873
5750T6	161765
5750T7	161768
5750T8	161768
5750T9	161744
5750TG	161780
5750TP	161867
5750VH	161864
5750VL	161851
5750VQ	161777
5750VS	161768
5750VT	161748
5750VV	161800
5750W1	161822
5750W5	161762
5750WN	161867
5750WP	161777
5750WY	161755

O.E.M. names and numbers are used for reference purposes only.

PEUGEOT *continued*

O.E. No.	HC-CARGO
5750WZ	161742
5750X1	161858
5750X3	161778
5750X7	161768
5750XF	161860
5750XN	161760
5750XP	161879
5750XR	161792
5750Y2	161762
5750Y5	161777
5750YA	161777
5750YC	161765
5750YN	161866
5750YP	161851
5750YQ	161745
5750YX	161863
5750Z0	161765
5750Z4	161768
5750Z4	161778
5750Z6	161744
5750ZG	161864
5750ZH	161853
5750ZQ	161861
5906079	100663
591881	150343
591887	150343
591890	150343
592789	150058
594525	150055
594533	150055
594545	150057
594551	150098
594554	150379
594555	150057
594560	150055
594607	180557
594609	180557
594622	182184
594623	182151
594630	182184
596012	100593
596019	100593
596038	100536
596078	100663
596099	100664
5960E6	100686
5960E9	100593
5960F5	100533
5960F6	100663
5960F9	100663
5960K6	100686
5960L4	100690
596118	100566
596139	100511
596140	100511
596153	100511
596154	100511
596157	100511
596158	100511
59622Y	100335
59622Z	100335
59623C	100533
59623E	100533
59623H	100541
59623J	100541
59624J	100436
596274	100511
59627F	100533
59627G	100533
5962J2	100511
5962J4	100511
5962J5	100511
5962J6	100511
5962K5	100511
5962R8	100511
5962S8	100511
5962T1	100511
5962T3	100511
5962T7	100511
5962W2	100335
5962W3	100335
5962W8	100511
5962X1	100511
597010	150395
597011	150395
597026	150395
597028	150395
597042	150184
597043	150183
597048	150259
597064	150575
597070	150259
597072	150634
597074	150634
597075	150653
597078	150522
597079	150522
597080	150520
597088	150614
597091	150608
597096	150646
597098	150653
597099	150520
5970A8	150522
5970A9	150634
5970C0	150614
5970C1	150614
5981.42	161737
598110	160423
598111	160424
598113	160423
598115	160424
598116	160431
598119	160432
598120	160431
598121	160436
598124	160434
598126	160436
598127	160436
598131	160453
598140	161120
6434.60	160629
645377	161797
6453L2	161797
6453W0	161813
6453W1	161813
655117	160308
655504	160308
655522	160353
655533	160282
655547	160354
6555HJ	160265
6555VP	160265
6828XV	182420
6LS001	181701
75454205	181156
75491289	181156
7563225100	100566
7910013785	180950
7910014016	180950
7910014017	180950
7910033931	180731
7910035225	181584
7920076593	160423
7932564528	100511
7932565492	100566
7932567717	100511
7932567718	100511
91000409	160354
9100040980	160354
91207837	182107
9150771880	100511
9150861080	100511
91514046	181008
9151404980	070053
91514549	180875
9151586980	160424
91516768	161797
91517978	181584
9151797880	181584
9151819080	070054
9151819380	181585
91519272	180954
91521849	100511
91521918	100511
91527047	182107
9153571880	181585
91536224	161797
91536338	161801
9153664680	100511
9153880680	070053
9153880780	070054
91541075	150343
91541882	160354
9250883280	160423
9250888280	160423
92515667	160424
9251586780	160424
9251586980	160424
9328239800	150989
93327326	181901
9367497578	181728
9401906138	AS301
94531304	150057
95006268	161743
9549299580	160423
95493206	100511
95493258	181015
95494924	181584
95495591	180953
95496621	160353
95534787	160423
95534788	100511
95575783	AS301
95579683	180953
96006268	161743
96009783	100511
9600978380	100303
96010219	161859
96010513	150183
9601329480	160354
96018108	181201
96018110	181194
96019294	161751
96033248	181373
9603682780	181589
96037097	150343
96040821	180785
96048070	150098
9604807080	150098
96053749	160431
96068168	150343
96073612	150379
96076258	100303
96104689	100511
96105849	182305
96105849	182307
96117510	160431
9613572480	100541
96138637	181076
96141677	160432
96141678	100511
96144504	161757
96144507	161757
96144509	161857
96144510	161857
96152078	161780
96152079	161780
96152084	161750
96152085	161750
96152088	161799
96152089	161799
96154391	161851
96155949	161777
96155951	161777
96165724	100511
96165734	100335
96165823	160436
9616582380	160436
96165824	160434
9616582480	160434
96183217	182307
96183217	182309
96183261	182308
96183261	182310
96188881	161778
9619879180	160570
96211951	161853
96217756	182302
96217756	182304
96217763	182305
96217763	182307
96227489	182302
96227489	182304
96228897	150259
9622996980	181727
96229974	181780
96229975	182480
96236383	100533
96252036	160432
96252846	182307
96252846	182309
9625423880	150719
96272628	182309
96280713	181901
9628336380	181927
9628355780	182011
9628447980	181727
9628559880	150989
9629139880	150978
96318136	182062
9632215280	181948
9632400580	150676
9632732680	181901
9632889780	150730
9633214380	100541
9634131480	150653
96353847	181898
9635384780	182306
9635384780	182308
96353848	181908
96354934	182132
9635493480	182132
96357329	150685
9635732980	150685
9635864980	150522
9635884880	150522
9636082980	182430
96363378	150520
9636337880	150520
9636876580	182478
9636997880	150520
9637465980	150478
96374660080	150732
9637466080	150479
9637466980	150692
9637499180	150977
96381671	192902
96382908	182431
96386487	181898
96389858	100533
9639381480	182050
96394188	182062
96394190	182062
9639912580	160453
96399999	150479
9639999980	150479
9640469680	161120
96410695	161804
96410697	161864
9642212180	181929
9642687580	181891
96436596	181898
96436605	181908
96436880	181908
96436977	181898

O.E.M. names and numbers are used for reference purposes only.

O.E. No.	HC-CARGO
9644549280	150988
96449667	181898
96449668	181908
9645948780	181958
9645948980	182017
96461258	181877
96469709	182458
96469712	182457
9647144080	181925
96480873	182456
9650010780	181951
9652310580	182308
96526967	182311
96526967	182313
9653319680	161755
9653663180	182454
9654818180	182610
9655279280	161864
965646192	150088
9656612380	182419
9658203780	182015
96584207	181877
96585998	182459
9664372180	150950
9664387380	150693
9664727880	182319
9664893880	150691
9665386780	182318
9665386780	182320
9665386880	182393
9665414480	181781
9665455580	182319
9665455580	182322
9665524680	150950
9665592380	182460
9665631780	181888
9670055080	182321
9671214580	150618
9673062180	160265
9673062180	160919
9673438580	181759
9674958880	182029
9675874480	161742
9677493380	151007
9678423380	181728
96817523	161863
9681852780	181749
9682216680	181799
9687161080	181711
9688725080	151008
97522875	150055
97522876	150055
97530125	150055
97530780	150183
97531206	150184
97531304	150057
97532831	150055
9753283180	150055
97533831	150055
9800453180	161860
9800716580	161822
9803580580	161860
9804491580	161851
9805066080	182453
9805463680	161742
9806702780	150575
9999163554	160354
AL61406	180634
B000698180	182467
C101880299	181727
E144001	181589
E144003	181590
E144004	181592
E144005	181584
E144008	181586
MKD00066	100511
MKD00068	100303
MKP00064	100511
MKP00065	100511
MKP00067	100511
MKP00068	100303
MKP00069	100511
ND14365	AS301
PD14365A	AS301
V756095780	181748
V759708580	182278

PHILIPS

12023	170470
12025	170380
12027	171124
12036	170741
12036	171082
12039	170591
12040	170948
12052	170822
12060	170726
12060C1	171010
12064	171135
12065	170777
12066	170776
12188	171869
12190NA	172074
12227	170575
12241	171991
12247	170579
12256	170331
12256	171104
12258	170069
12258	170332
12258BV	171071
12258PR	170965
12258PR	171070
12258VP	171136
12311	171073
12336	170070
12336	170333
12342	170334
12342	170768
12342	170804
12342BV	171067
12342GO	171114
12342GOLD	171114
12342LL	170657
12342LL	171113
12342PR	170804
12342PR	171066
12342VP	171134
12356	170742
12356	171083
12396	170754
12396	171123
12402	170583
12413	171990
12422	171989
12428	170696
12445	171988
12454	170493
12454	171068
12455	170496
12458	170718
12475	170681
12496	170648
12496	171089
12496SV	171371
12498	170335
12498	170769
12498LL	171979
12499	170336
12499	170770
12499LL	170659
12503	171994
12503	172033
12516	170410
12516	170775
12569	170009
12569	171065
12594	170644
12594	171093
12596	170071
12597	170612
12598	170357
12600	170610
12601	170611
12602	170611
12604	170610
12605	170357
12605	170610
12620	170338
12620	170771
12718	171985
12728	171975
12748	171974
12803	171139
12807	170588
12814	170339
12814	170772
12814LL	171992
12818	170590
12821	170340
12821	170773
12821LL	171980
12822	170593
12829	170448
12829	171119
12844	170341
12844	171094
12850	170342
12854	170411
12854	171095
12860	170005
12864	170343
12864	171097
12865	170005
12866	170344
12866	171098
12875	170509
12886	170951
12886	171953
12894	170726
12910	170594
12913	170345
12913	171103
12929	170346
12929	170774
12960	170725
12960	171121
12961	170347
12961	171105
12961LL	170662
12972	170720
12972	171077
12972BV	171079
12972LL	171117
12972PR	171081
12972VP	171137
13241	171978
13256	170476
13256	171106
13258	170449
13258	171072
13324	171986
13336	170412
13336	170836
13342	170348
13342	170792
13342HD	170450
13342HD	171125
13401	171086
13402	171088
13413	171997
13445	171996
13454	170494
13496	170849
13496	171090
13498	170349
13498	170826
13498HD	170451
13498HD	171078
13499	170452
13499	171092
13516	170477
13516	171108
13521M	170358
13593	170360
13597	170613
13598	170358
13620	170350
13628	170362
13748	171976
13807	170589
13814	170351
13814	170793
13814HD	170454
13814HD	171076
13821	170413
13821	170794
13821HD	170455
13821HD	171118
13822	171102
13829	170456
13844	170414
13844	171096
13850.	170592
13864	171099
13866	171100
13913	170416
13929	170417
13929	170795
13961	170542
13961	171107
13972	170800
13972	171080
13972LL	171532
24356	171084
24362	172073
6336	171469
6402	171998
6445/99	171983
6458	171473
6498	171984
6499	171476
6620	171477
6807	171479
6811	171484
6814	171993
6821	171981
6854	171487
6910	171490
6913	171491
6929	171492
7779	171027
85122	171133
85126	171132
85410	171613
9004	170692
9005	170693
9006	170694
9012	172231

PIAGGIO

639523	181584

PRESTOLITE

5001-43	190584

PRESTOLITE

5335-963C	192592
5335-963E	192591

PUROLATOR

40106N	070188
40222	070214
40223	070214
50107	070191
60107	070191

O.E.M. names and numbers are used for reference purposes only.

O.E. No.	HC-CARGO
RADEX	
025034	171537
025034+LOCKS	171537
025035	171538
025035+LOCKS	171538
25027	171536
2800-10	172153
2800-13	172154
2900-10	172155
2900-13	172156
300	170144
3001	170685
3003	170687
4004	170688
4005	170689
5800/10S	171015
5800/11S	171016
5800/2	171013
5800/3	171014
5800-10S	171015
5800-11S	171016
5800-2	171013
5800-3	171014
5901/10	171533
5901/11	171534
5901-10	171533
5901-11	171534
600	170142
6400-10	172025
6400-10F	172021
6400-10S	172023
6400-13	172026
6400-13F	172022
6400-13S	172024
700	170143
720	170729
REMY (DELCO)	
10471917	191304
10475057	191584
10488150	191304
10498156	191304
11505767	191573
15-8345	160250
19024930	160403
1989233	191554
1989649	191307
210843	210843
210909	210909
7954117	180660
9439738	191545
RENAULT	
0003005810	090076
0003008010	080696
0003008077	080696
0003020501	090016
0003020504	090015
0024571084	090016
0024571087	090202
0025835028	090020
0025838009	090202
0025838028	090020
0122910100	090016
0854672000	090076
0855454800	080696
0870363800	090016
117202608R	161857
117203290R	161864
117205167R	161870
117206015R	161870
117206599R	161874
117208314R	161874
1320767	182076
147100385R	182600
147105308R	182599
147105543R	182600
147106341R	182600

O.E. No.	HC-CARGO
223650002R	182072
223650002R	182073
223658570R	182103
224332428R	150666
224333529R	150505
224336134R	150433
22448-JA00C	150623
22693JG70A	181802
226A42455R	181840
226A47142R	181802
2526180A	150505
4420655	161874
479000527R	182357
479000735R	182359
479001745R	182350
479001852R	182577
479003807R	182402
479004190R	182351
479005139R	182360
479006271R	181872
479006432R	182577
479006554R	182349
479006998R	182577
479007380R	182358
479009927R	182360
479100868R	182390
479101292R	182353
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O.E.M. names and numbers are used for reference purposes only.

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GPS137	180634
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PRC5020	160424
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286390030	160263
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14.115-011	170865
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20.196-021	170885
21.002-021	170893
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21.010-131	171329
21.017-121	171196
21.093-021	171202
21.131-001	170943
21.197-001	170916
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21.197-021	170916
21.197-031	170917
21.197-111	170923
21.197-121	170922
21.197-131	170923
22.028-091	170925
22.130-001	171006

O.E.M. names and numbers are used for reference purposes only.

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SEIKO SEIKI	
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SELTEC COMPRESSOR	
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009-A70-74D	160592
009-B40-22	160594
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VA01-BP70/LL-36A	160584
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VA04-AP70/LL-37S	160912
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VA09-AP12/C-27A	160598
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VA09-AP12/C-54S	160601
VA09-AP8/C-27A	160598
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VA09-BP12/C-54S	160600
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VA18-BP70/LL-86A	160777
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VA18-BP71/LL-86A	160777
VA34-AP70/LL-36A	160739
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VA34-BP70/LL-36S	160619
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4014372	160337
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22690-AA700	181591
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22690-AA850	181591
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46979-7100	181584
46979-7110	181584
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73323SA000	161751
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809110550	161801
82988-4100	150395
82988-4112	150395
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82995-6101	180641
9091602688	161813
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B354-144	191307
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1380055L00	181980
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1380079J50	181934
1380080JA0	181980
13800-84E50	181934
13800T68L50	181986
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1752179J50	161755
1752185FA0	161877
18212-84Z10	181750
18212-85Z30	181750

O.E.M. names and numbers are used for reference purposes only.

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1859073J00000	182069
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18590M86J01	182084
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9514160A60000	161877
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9514160G50000	161797
9514164A00	161797
9514164A00000	161797
9514169KA0	161745
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511006	180207
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596650	181462
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611009	160337
611012	160316
611013	160317
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611107	160305
611108	160305
611111	160315
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611114	160262
611115	160199
611116	160315
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896426	180209
896472	180210
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150212C7U2B2S7	090224
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1502ES24C3U1B2S2	090110
1503ES-12A5SUC9SCC28	090268
1503ES-12A5SUC9SCG28	090268
1503ES12A5UC5S	090216
1503ES12A5UC9S	090373
1503ES12S5SUC5S	090228
1503ES12S5UC5S	090228
1503ES24A5UC5S	090402
175124A2U1BS1A	090297
200112E3U1B2S2	090168
200124E3U1B2S2	090169
2001ES12E3U1B2S2	090111
2001ES24E3U1B2S2	090113
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SA-3742-24	090099
SA-3765-12	090097
SA-3765-24	090101
SA-3776T	090216
SA-3799-12	090096
SA-3799-24	090100
SA-3800-12	090098
SA-3800-24	090102
SA-3991-12	090334
SA-3999-12	090104
SA-3999-24	090106
SA-4014-12	090103
SA-4014-24	090105
SA-4026-12	090107
SA-4026-24	090108
SA-4180-12	090199
SA-4182-24	090200
SA-4228	090226
SA-4527	090281
SA-4561T	090373
SA-4562T	090228
SA-4564-12	090206
SA-4567T	090402
SA-4569-T	090216
SA4646-24	090267
SA-4668-S	090268
SA-4817-12	090206
SA-4850	090228
SA-4899-12	090370
SA-4920-12	090206
SA-4921	090228
SA-4934-12	090225
SA-5019	090268
SA-5157	090268
SA-5171	090160
SA-5174-12	090111
SA-5174-24	090113
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55353149	181592
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55568175	182100
5959283	181395
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7503600	150098
7525751	181587
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7534795	181584
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8522310	160265
8533176	160403
8547572	181001
8553463	160749
8593477	160197

O.E.M. names and numbers are used for reference purposes only.

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9146952	181588
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9158718	181590
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9202575	181590
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93179391	150679
93179513	150849
9337726	181584
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93857938	182076
9390220	150056
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9506379	160197
9542861	181395
9543406	181395
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S4302352	181588
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9120783780	182107
9150589080	150395
9150771580	100511
9150771980	100511
9152191880	100511
9553478880	100511
B515867	160424
THERMO KING	
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TOYOTA	
11176-26010	081212
11176-64010	080418
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11177-64010	080417
11178-56010	080236
11920V7301	161771
18213-73B00	181584
19301WA010	150713
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198500R010	100689
19850-0R010	100689
1985026021	100689
19850-26021	100689
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19850-26022	100689
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19850-54090	100291
19850-54120	100516
19850-56012	100280
19850-56021	100256
19850-56022	100256
19850-64020	100283
19850-64031-B	100283
19850-64033	100283
19850-64050	100514
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19850-68040	100280
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22204-0C020	181937

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22204-0L010	181939
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222040P020	181980
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2220428010	181980
2220430010	181939
22204-31010	181977
22204-31020	181977
22204-33010	181991
22204-37010	181980
23654-46010	080458
23654-64010	080457
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29313-46010	190815
29364-66010	190820
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O.E.M. names and numbers are used for reference purposes only.

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O.E.M. names and numbers are used for reference purposes only.

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03D906433	150694
03D906433A	150694
03D906433B	150694
03D907601	150877
03D907601A	150877
03E260849A	161772
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03E906262	181745
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03G131501J	182589
03G131501N	182593
03G131501P	182591
03G131501Q	182589
03G131501R	182589
03G131502	182593
03G131502B	182593
03G903137A	161865
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03G906262C	181693
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03L957147A	150972
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03L998037E	161867
043905115A	150395
043905115C	150395
043906091	070053
044903137G	161758
044903137H	161803
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O.E.M. names and numbers are used for reference purposes only.

VOLKSWAGEN *continued*

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045957147B	150856
045957147C	150733
045957147D	150990
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046130385A	182107
046903137B	161777
046903137D	161876
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047903137AB	161744
047905104	150616
047905104A	150620
047905104B	150620
047905115	150227
047906265B	181829
048906265	181585
049919501	180839
0499195011	180839
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04C905110E	150922
04C905110L	150922
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04C906433A	150963
04E145933A	161854
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051906265D	181780
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053906265	181780
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056919081B	180635
056919081C	180635
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057906262A	181758
057906262C	181758
057906262D	181693
057906262E	181758
057906262F	181693
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058133471X	182265
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058906265B	181716
058906265C	181716
058906265V	181592
058906265V	181716
059131502B	182595
059131502G	182595
059145100A	181943
059906262B	181693
059906262F	181693
059906262H	181693
059906262J	181693
059906262K	181693
059906461A	182642
059906461B	182239
059906461BX	182239
059906461D	182024
059906461DX	182024
059906461E	182642
059906461EV	182642
059906461EX	182642
059906461G	182024
059906461GX	182024
059906461K	182039
059906461M	182024
059906461MX	182024
059906461N	182036
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059963319	100538
059963319A	100538
059963319E	100673
059963319H	100538
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062145933A	161881
062260849B	161775
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068130211B	100348
068130219	080390
0681302831	100348
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06B905115Q	150508
06B905115R	150508
06B905115S	150508
06B905163A	150832
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06C905115F	150636
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06C905115J	150636
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06C906265E	181592
06C906265E	181716
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06D905115J	150657
06D905115K	150657
06D906265	181793
06E903137S	161860
06E905115	150657
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06E905115B	150657
06E906262B	181815
06E906262E	181793
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06E906265F	181837
06E906265J	181764
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06F906262AB	181793
06F906262AC	181726
06F906262AD	181793
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06F906262D	181793
06F906262E	181793
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06J906262L	181793
06J906262AA	181726
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071906461AX	182226
071906461B	182226
071906461BX	182226
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074145933AL	161876
074145933AR	161744
074145933C	161792
074145933N	161876
074145933P	161792
074145933Q	161876
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077905115F	150926
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077906265AB	181715
077906265AC	181715
077906265AD	181592
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077906265AE	181592
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077906265AF	181592
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077906265B	181780
077906265D	181588
077906265E	181588
077906265H	181592
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077906265J	181592
077906265J	181716
077906265K	181592
077906265K	181716

O.E.M. names and numbers are used for reference purposes only.

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077906265AA	181592
077906265AA	181716
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078133471CV	182643
078133471CX	182643
078133471E	181979
078133471EX	181979
078903137AP	161744
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078906265H	181588
078906265J	181588
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078906265T	181592
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078906265AA	181716
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078919501C	181400
079903137AB	161743
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07C906262AB	181745
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07L905163B	150987
07L905163C	150987
07L906262S	181815
07P906265	181793
07Z906262D	181758
07Z906262F	181758
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095927321A	150748
095927321C	150748
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1048603	182290
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110094203	180634
113919081	180634
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115094200	180634
115915080	150215
115939031	181158
115939070	180726
141951253B	160282
171911161E	160420
171911261	160420
171911261D	160421
171911261E	160421
171919521F	180949
171937503	160265
171955651	160197
175919501	180839
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191906383C	161121
191911261A	160421
191911261C	160421
191927807A	181880
191927841	160403
191951113B	160658
191951113D	160658
191951221	160712
191951223	160712
191955531	160749
191959481C	181126
19201350	161801
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1K0998262AA	181758
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251906091	070053
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251959481K	181121
251965561B	070192
279980411	182053
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32145933	161759
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321906059E	160374
321906059F	160374
321906059G	160375
321906059H	160372
321911261	160420
321911261C	160422
321955531A	160749
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333955651	160381
3531075	181816
357906381A	160637
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36905715	150509
36906265	181739
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369980411	182053
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431955651	160197
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44104165042	181806
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443906059A	160374
443907385	160374
443907385B	160375
443907385C	160372
443907385G	160372
443907385H	160372
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443951253K	160282
443955531	160749
45906262	181693
45906433	150743
45957147	150733
46130385	182107
477906205	181584
47905104	150616
481945515	180734
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4A0905351A	150409
4A0955651	160681
4A0955651B	160682
4B0927803A	181893
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4L0906262A	181758
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57130767	150868
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58905105	150428
59906262	181693
62906051	182131
6K0906265D	181818
6N0905104	150227
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6N0951101	160658
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701927807E	182291
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701927807F	182294
71957147	150725
74906461	181943
7516018	182229
7516029	182243
7516035	182228
7516092	182262
7516111	182271
7516175	182235
7516324	182256
77906262	181715
78906433	150703
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8D0927803B	181875
8D0927803C	181875
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8D0927807A	181883
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8E0927803A	182281
8E0927803B	182282

O.E.M. names and numbers are used for reference purposes only.

O.E. No.	HC-CARGO
VOLKSWAGEN *continued*	
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90543463	181933
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95560640612	182296
95927321	150748
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J9936450840	161797
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KDWHLO9217	180399
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N0191002	100512
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N10213002	100512
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