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Passt immer!

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“Real-life” implemented improvement process

We, the management are committed to the TQM concept, because we value the trust our customers place in us and want to maintain it in the long term.

We see our relationship with our customers as a partnership which must be constantly improved. As a result, we continuously check even established processes for opportunities for improvement.

And not because anyone is forcing us to do so, because we have met the criteria for the ISO certification for a long time.

Instead, we are motivated by the chance to achieve even better results in our work together and to help our customers to increase their competitiveness and hence secure their long-term success.

That is what we call a “real-life implemented improvement process”, and it is also what our many long-term customers especially appreciate about their cooperation with Herth+Buss.



We are certified according to:

- ISO 9001:2015 Quality management
- ISO 27001:2017 Information Security Management
- VDA 6.2 Quality management
- StVZO Verification

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Installation

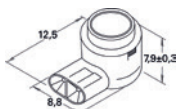
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Cable Connector



Our branch connectors with gel filling can be used to connect single-wire or multi-wire lines. They are easy to install and ensure a mechanically fixed, durable, vibration-proof

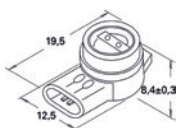
and electrically perfect continuity and branch connection. The gel filling protects the connectors from water or dirt ingress.

Plug Type: T-Union
Temperature range: -40 to +125 °C
Inspection Tag: UL94 V0
Info: sealed version with gel filling
Corrosion resistant

Number of Poles: 2
Width: 12,5 mm

Height mm	Voltage V	Cross Section mm ²	Cable-Ø mm	Colour	DU	Article no.
8	500	0,13 to 0,35	to 1,5		100	50252590

Cable Connector



Our branch connectors with gel filling can be used to connect single-wire or multi-wire lines. They are easy to install and ensure a mechanically fixed, durable, vibration-proof

and electrically perfect continuity and branch connection. The gel filling protects the connectors from water or dirt ingress.

Plug Type: T-Union
Temperature range: -40 to +125 °C
Inspection Tag: UL94 V0
Info: sealed version with gel filling
Corrosion resistant

Number of Poles: 3
Width: 19,5 mm

Height mm	Voltage V	Cross Section mm ²	Cable-Ø mm	Colour	DU	Article no.
8,5	500	0,13 to 0,35	to 1,7		100	50252591

Cable Connector



Our branch connectors with gel filling can be used to connect single-wire or multi-wire lines. They are easy to install and ensure a mechanically fixed, durable, vibration-proof

and electrically perfect continuity and branch connection. The gel filling protects the connectors from water or dirt ingress.

Plug Type: T-Union
Temperature range: -30 to +105 °C
Info: sealed version with gel filling with double cutting element
Corrosion resistant

Number of Poles: 3
Width: 25 mm

Height mm	Voltage V	Cross Section mm ²	Cable-Ø mm	Colour	DU	Article no.
17	600	0,5 to 2,5	to 3,8		25	50252592



Insulating Tape



The versatile insulation tape is particularly suitable for performing quick repairs on vehicles, machinery and boats. It can be used to seal hoses, tubes or pipelines, or to insulate cables and plug connections. Unlike conventional adhesive tape, this silicone tape only adheres to itself and therefore does not rely on the consistency of the underlying surface to work correctly. This facilitates a professional finish

quality, even on oily, wet and dirty surfaces. Among other uses, the insulation tape can be used as a quick, practical repair solution for damage caused to the radiator hose by pine marten bites. Alternatively, in the event of repairs for which the required spare part is not yet in stock or when the schedule is completely full, the customer can use the tape to continue using the vehicle until a repair is possible.

Info:	Weatherproof	Heat resistant	Temperature range:	-60 to +250 °C
Chemical Properties:	UV resistant		Elongation:	300 %
	Oil resistant		Material:	Silicone
	Acid proof		Info:	Waterproof
	Solvent resistant			Self-welding
	Can be removed leaving no residue			

Length m	Width mm	Thickness mm	Colour	DU	Article no.
3	25	0,5		1	50272001
				1	50272002

Insulating Tape



The tape is used to bundle and tie up cable sets. Its special design enables the production of highly flexible cable sets. It also largely prevents contact between the adhesive and the cables. The overlapping winding technology (see application) removes the need for double winding. Furthermore, the removal of

a complete work step leads to significant cost and time savings. Product features:

- wear-resistant
- ageing-resistant
- solvent-free
- PVC-compatible
- halogen-free

Temperature range:	-40 to +150 °C	Material:	Polyester Fabric
Tear-out force:	300 N/cm	DIN/ISO:	EN 1942
Elongation:	30 %		EN 14410
Adhesive:	Acrylate		EN 1939
Adhesive strength on steel:	4,5 N/cm		

Length m	Width mm	Thickness mm	Colour	DU	Article no.
10	35	0,5		1	50272040



Insulating Tape



This electrical insulation tape consists of a high-quality soft PVC film with an acrylate-based adhesive that is resistant to ageing. It has excellent physical properties such as high adhesive strength and mechanical strength, making it suitable for a wide range of applications. Due to its temperature resistance down to -20°C, the tape is particularly suitable for insulation and repair work under unfavourable weather conditions. Other product features include:

- High adhesive strength
- High mechanical strength
- Flexible
- Can be used down to -20°C
- Flame-retardant / self-extinguishing
- Lead-free
- VDE, ÖVE and SEV are met acc. to type test IEC 60454- 3-1-10

Chemical Properties:	Unleaded	Breakdown Strength:	40 kV/mm
Temperature range:	-20 to +105 °C	Adhesive:	Acrylate
Tear-out force:	15 N/cm	Adhesive strength on steel:	1,8 N/cm
Elongation:	125 %	Material:	PVC

Length m	Thickness mm	Width mm	Colour	DU	Article no.
20	0,2	19		5	50272022
		30		5	50272023



Heatshrink Tube

Shrinkage Rate: 3:1
 Temperature range: -55 to +125 °C
 Length variation: -10 %
 Inspection Tag: UL 224
 Breakdown Strength: 15 kV/mm
 Info: with inner adhesive



These thermal contraction hoses offer reliable electrical insulation, as well as outstanding protection from moisture, corrosion and mechanical influences.

Packing Type	Diameter 1/2 mm	Wall Thickness mm	Colour	DU	Article no.
Dispenser Box	12 / 4	1,6	●	1	51273229
	18 / 6	2	●	1	51273230
	6 / 2	1	●	1	51273227
	9 / 3	1,4	●	1	51273228
Accessories			see	DU	
Universal Scissors			Katalog08		95942329
Hot Air Dryer HeatGun			Katalog08	1	95920000

Heatshrink Tube

Shrinkage Rate: 3:1
 Temperature range: -55 to +125 °C
 Length variation: -10 %
 Inspection Tag: UL 224
 Breakdown Strength: 15 kV/mm
 Info: with inner adhesive



These thermal contraction hoses offer reliable electrical insulation, as well as outstanding protection from moisture, corrosion and mechanical influences.

Packing Type	Wall Thickness mm	Diameter 1/2 mm	Colour	DU	Article no.
Dispenser Box	1	3 / 1	●	1	51273206
		6 / 2	●	1	51273207
	1,4	9 / 3	●	1	51273208
	1,6	12 / 4	●	1	51273209
	2	18 / 6	●	1	51273210
	2,4	24 / 8	●	1	51273221
Accessories			see	only for	DU
Hot Air Dryer HeatGun			Katalog08		1 95920000
Universal Scissors			Katalog08	51273206	95942329



Heatshrink Tube

Shrinkage Rate: 2:1
Material: Polyester
Temperature range: -40 to +125 °C
Length variation: -10 %
Inspection Tag: TL 52668
 FMVSS 3022
 ISO 16750-5



This braided fabric-fibre hose was primarily developed to ensure high mechanical abrasion protection for components such as rubber hoses, plastic pipes and cable bundles. The hose is also ideally suited for rattling protection (for noise damping).

- Other product features:
- Easy to install
 - Very flexible

Wall Thickness mm	Packing Type	Diameter 1/2 mm	Colour	DU	Article no.
1	Bag	30 / 15	●	1	51273243
		40 / 20	●	1	51273244
	Dispenser Box	12 / 6	●	1	51273241
		20 / 10	●	1	51273242
Accessories			see	DU	
Hot Air Dryer HeatGun			Katalog08	1	95920000
Universal Scissors			Katalog08		95942329



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Heatshrink Tube

Shrinkage Rate: 4:1
Material: Polyolefin, cross-linked (PEX)
Temperature range: -40 to +125 °C
Length variation: -10 %
Inspection Tag: ASTM-D 2671
 IEC 60684-2
 IEC 811-1-2
 20 kV/mm
Breakdown Strength: with inner adhesive
Info:



Diameter 1/2 mm	Length mm	Wall Thickness mm	DU	Article no.	
10 / 2,5	50	0,8	20	51273150	
Accessories			see	DU	
Hot Air Dryer HeatGun			Katalog08	1	95920000
Universal Scissors			Katalog08		95942329
for article number					
51274332 51274333					



RepCon

Cable Repair Set



Bulb Type: H8
H11
Temperature range: -25 to +140 °C
Info: with socket housing
with gaskets/seals
with pipe

Number of Poles	Cable Length mm	Cable Cross Section mm ²	Connector	DU	Article no.
2	500	0,75		1	51277309

RepCon

Repair set, plug



Bulb Type: H9
Temperature range: -25 to +140 °C
Info: with socket housing
with gaskets/seals
with pipe

Number of Poles	Cable Length mm	Cable Cross Section mm ²	Connector	DU	Article no.
2	500	0,75		1	51277310

Material: PVC **DIN/ISO:** 6722
Temperature range: -40 to +70 °C

Electric Cable



Conductor Number	Packing Type	Wire cross-section mm ²	QU	DU	Article no.
1	Ring	1 x 50,0	Metre	25	51275116005
			Metre	25	51275116000
		1 x 70,0	Metre	25	51275117005
			Metre	25	51275117000

H01N2-D

Cable, welding machine



- Copper wire, bare
- fine-wire
- Film insert, polychloroprene coat
- oil-proof
- abrasion-proof
- low flammability
- Attention: only use in line with DIN VDE 0298 section 300

Temperature range: -25 to +85 °C **DIN/ISO:** VDE 0298-300

Conductor Number	Packing Type	QU	Outer Ø mm	Wire cross-section mm ²	QU	DU	Article no.
1	Ring	Metre	13	1 x 35,0	Metre	25	51275815000
			14,5	1 x 50,0	Metre	25	51275816000

FLYY

Electric Cable

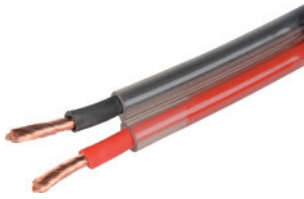


Shape: Flat **Temperature range:** -40 to +70 °C
Material: PVC **DIN/ISO:** 6722

Conductor Number	Packing Type	Wire cross-section mm ²	Colour	QU	DU	Article no.
2	Dispenser Box	2 x 0,75	●	Metre	50	51275146000
		2 x 1,5	●	Metre	50	51275148000
	Ring	2 x 2,5	●	Metre	50	51275149000



Electric Cable



Twin cable with additional transparent outer sheath that can be used as a battery cable. The advantages are the robust design and shortening of the installation time thanks to the twin design.

Material: PVC
Temperature range: -40 to +85 °C
Chemical Properties: Oil resistant
 UV resistant

Conductor Number	Packing Type	Wire cross-section mm ²		QU	DU	Article no.
2	Ring	2 x 4,0 mm ²		Metre	50	51275161000
		2 x 6,0 mm ²		Metre	50	51275162000

FLYY

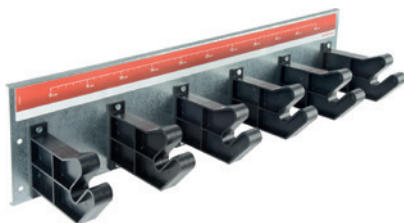
Electric Cable



Shape: Flat
Material: PVC
Temperature range: -40 to +70 °C
DIN/ISO: 6722

Conductor Number	Packing Type	Wire cross-section mm ²	Colour	QU	DU	Article no.
2	Coil	2 x 1,5		Metre	25	51274248000
Accessories				see	DU	
Wall Mounting, cable spool				Page 11	1	51274200

Wall Mounting, cable spool



An empty cable wall mount with body fasteners for up to five coils.

WxHxD: 616 x 150 x 155 mm

	DU	Article no.
	1	51274200





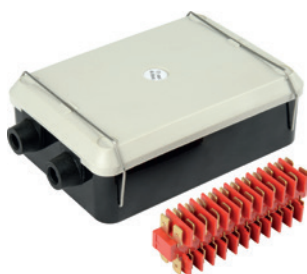
Cable Junction Box



Number of Poles: 8
WxHxD: 150 x 45 x 93 mm
Number of connectors: 32
Connector type: 8 x 4
Socket Width: 6,3 mm
Mounting Type: Flat Plug-in Connector
Material: PA (polyamide)
Housing Type: Housing with Aluminium Lid
Einlassdurchmesser 1/2/3: 5 / 7 / 9,5 mm
Auslassdurchmesser 1/2/3: 5 / 7 / 9,5 mm
IP-Code: IP 54

Mounting Type	Inlets / Outlets	Number of Bores	Mounting bores distance mm	Bore Ø mm	DU	Article no.
Flat Plug-in Connector	6	2	90	5,5	1	50290038
Content				Number of Poles	QU	
Plug Insert, cable junction box				8	1	50290038033
Cover, cable connector box					1	50290038034
Grommet, cable connector box					2	50290038031
					2	50290038032

Cable Junction Box



Number of Poles: 12
WxHxD: 140 x 50 x 107 mm
Number of connectors: 48
Connector type: 12 x 4
Socket Width: 6,3 mm
Mounting Type: Flat Plug-in Connector
Material: Plastic
Housing Type: Housing with Plastic Lid
Einlassdurchmesser 1/2/3: 10 / 10 mm
Auslassdurchmesser 1/2/3: 10 / 10 mm
IP-Code: IP 6K

Mounting Type	Inlets / Outlets	Number of Bores	Mounting bores distance mm	Bore Ø mm	DU	Article no.
Flat Plug-in Connector	4	2	90	5	1	50290380

Cable Connector



Number of connectors: 6
Inlets / Outlets: 6
Info: with contact bridge
with bolts
with nut
with lid
with bolts/screws

Thread Size				DU	Article no.		
M10				1	50291090		
Accessories			Diameter mm	Inlet Ø mm	see	DU	Article no.
Grommet, cable connector box				13	Katalog04	10	50290046029
				7	Katalog04	10	50290046031
				9,5	Katalog04	10	50290046032
				15	Katalog04	10	50290049030
				17	Katalog04	1	50290422

Corrugated Pipe Fastening



Info: with seal ring
Temperature range: -25 to +80 °C
Registration Type: ADR/ GGVS Checked
IP-Code: IP 67


Connecting thread	Nominal Size mm	DU	Article no.
PG21	22	1	50290700



Coiled Cable




Number of Poles: 3 **Info:** without plug
Material: PU (Polyurethane)

Wire cross-section mm ²	Inner diameter mm	Working length m	Number of Coils	Connector	DU	Article no.
3 x 1,0	28	3	25		1	51276539000

Coiled Cable




Number of Poles: 7 **DIN/ISO:** 1724 N-Typ
Voltage: 12 V
Material: PU (Polyurethane)
Metal

Voltage V	Wire cross-section mm ²	Inner diameter mm	Working length m	Number of Coils	Connector	DU	Article no.
12	6 x 1,0 1 x 1,5	31	4	31		1	51276522

Extension Cable, trailer socket




Number of Poles: 7 **DIN/ISO:** 1724 N-Typ
Voltage: 12 V

Wire cross-section mm ²	Cable Length m	Connector	DU	Article no.
6 x 1,0 1 x 1,5	2,8		1	51276546
Content		DIN/ISO	Number of Poles	QU
Plug		1724 N-Typ	7	1
Socket				1

Adaptor, electric filament





Number of Poles: 7 **DIN/ISO:** 1724 N-Typ
Voltage: 12 V
24 V
Material: PU (Polyurethane)
Metal

Inner diameter mm	Wire cross-section mm ²	Working length m	Number of Coils	Connector	DU	Article no.
36	6 x 1,0 1 x 2,5	4	30		1	51276523

Connector Cable, trailer



Number of Poles: 7 **DIN/ISO:** 1724 N-Typ
Voltage: 12 V

Wire cross-section mm ²	Cable Length m	Connector	DU	Article no.
6 x 1,0 1 x 1,5	2,8		1	51276547
	3,5		1	51276548
Content			QU	
Plug				51305517
			2	51305520



Socket



Socket with unlosable cap, which is used in agricultural vehicles, in particular in the internal and engine area, but also used in boats.

Number of Poles: 1
Mounting Type: Pre-assembled
Temperature range: -40 to +120 °C
Material: Plastic
IP-Code: IP 67

Cable Length: 300 mm
Info: with screw connection with connection line
Voltage: 6 to 24 V

Rated current A	Wire cross-section mm ²	Fitted Diameter mm	Inner diameter mm	DIN/ISO	DU	Article no.
to 16	2,5	18,5	12	4165	1	51306730

Socket



Number of Poles: 1
Mounting Type: Flat Plug-in Connector
Material: Aluminium

Info: with snap lid with ground connection
Connector: with ground connection
Voltage: 6 to 24 V

Rated current A	Fitted Diameter mm	Inner diameter mm	Socket Width mm	DIN/ISO	DU	Article no.
to 16	18,5	12	6,3	4165	1	51306726
Content					QU	
Cover, power socket					1	51306544
Accessories				see	DU	
Terminal, electric universal parts				Katalog04	10	51306539

Socket



Number of Poles: 3
Mounting Type: Screw Connection
Material: Plastic

Voltage V	Capacity at 24V	DU	Article no.
6 to 24	16 A (1,5 mm ²) 25 A (2,5 mm ²)	1	51305113

Plug



Number of Poles: 3
Mounting Type: Screw Connection
Material: Plastic
Info: with rubber grommet

Voltage V	Capacity at 24V	DU	Article no.
6 to 24	16 A (1,5 mm ²) 25 A (2,5 mm ²)	1	51305543

Plug



Number of Poles: 4
Mounting Type: Screw Connection
Material: Plastic
IP-Code: IP 5K

Voltage V	Capacity at 24V	DIN/ISO	DU	Article no.
6 to 24	16 A (1,5 mm ²) 25 A (2,5 mm ²)	72575	1	51305514



Socket



Number of Poles: 4 **IP-Code:** IP 5K
Mounting Type: Screw Connection **Info:** with rubber grommet
Material: Plastic

Voltage V	Capacity at 24V	DIN/ISO	DU	Article no.
6 to 24	16 A (1,5 mm ²) 25 A (2,5 mm ²)	72575	1	51305114

Plug



Number of Poles: 7 **Length:** 98 mm
Mounting Type: Screw Connection **Info:** with rubber grommet
Material: Aluminium with strain relief
Contact surface: Coated

Voltage V	Capacity at 12V	DIN/ISO	DU	Article no.
6 to 12	16 A (1,5 mm ²) 25 A (2,5 mm ²)	1724 N-Typ	25	51305520
Content		Number of Poles	QU	
Plug Connector			1	50281029
Socket		7	1	51305117
Accessories		see	DU	
Sealing/Protective Cap		Katalog04	10	50281090

Socket



Number of Poles: 7 **Material:** Aluminium
Shape: Flat **Contact surface:** Coated
Mounting Type: Screw Connection **Info:** Removable inset

Voltage V	Capacity at 12V	DIN/ISO	DU	Article no.
6 to 12	16 A (1,5 mm ²) 25 A (2,5 mm ²)	1724 N-Typ	25	51305120
Accessories		see	DU	
Seal, trailer socket		Katalog04	5	50281076
		Katalog04	10	51305170

Socket



Number of Poles: 7
Mounting Type: Screw Connection
Material: Plastic
Info: with seal
with hanger
with strain relief

Voltage V	Capacity at 12V	DIN/ISO	DU	Article no.
6 to 12	16 A (1,5 mm ²) 25 A (2,5 mm ²)	1724 N-Typ	1	51305457



Socket



Number of Poles: 1
7
Material: Plastic
Info: Removable inset
Shape: Round
Trailer Hitch: with board voltage socket
Mounting Type: Screw Connection

Voltage V	Capacity at 12V	DIN/ISO	DU	Article no.
6 to 12	16 A (1,5 mm ²) 25 A (2,5 mm ²)	1724 N-Typ / 4165	1	51305150
Accessories			see	DU
Seal, trailer socket			Katalog04	1 50281250

Socket Adapter



Trailer Hitch: from 13-pin to 2x7-pin
Material: Plastic
Length: 89 mm

Voltage V	DIN/ISO	DU	Article no.
12	11446 1724 N-Typ 3732 S-Typ	1	51305475

Plug



Number of Poles: 7
Mounting Type: Screw Connection
Material: Aluminium
Info: with strain relief
Connector: with cable gland

Voltage V	Capacity at 24V	DIN/ISO	DU	Article no.
24	16 A (1,5 mm ²) 25 A (2,5 mm ²)	1185 N-Typ	1	51305587

Plug



Number of Poles: 7
Mounting Type: Screw Connection
Material: Aluminium
Info: with strain relief
Connector: with cable gland

Voltage V	Capacity at 24V	DIN/ISO	DU	Article no.
24	16 A (1,5 mm ²) 25 A (2,5 mm ²)	3731 S-Typ	1	51305584

Socket



Number of Poles: 7
Mounting Type: Screw Connection
Material: Aluminium
Info: with cap
Housing Type: Housing with Aluminium Lid

Voltage V	Capacity at 24V	DIN/ISO	DU	Article no.
24	16 A (1,5 mm ²) 25 A (2,5 mm ²)	1185 N-Typ	1	51305289
Content			QU	
Sealing/Protective Cap			1	50281077
Accessories		Number of Poles	see	DU
Screwed Cable Gland		7	Katalog04	1 51305110
Sealing/Protective Cap			Katalog04	1 50281078



Socket



Number of Poles: 7 **Info:** with cap
Mounting Type: Screw Connection **Housing Type:** Housing with Aluminium Lid
Material: Aluminium

Voltage V	Capacity at 24V	DIN/ISO	DU	Article no.
24	16 A (1,5 mm ²) 25 A (2,5 mm ²)	3731 S-Typ	1	51305284
Content			QU	
Sealing/Protective Cap			1	50281077
Accessories		Number of Poles	see	DU
Screwed Cable Gland		7	Katalog04	1 51305110
Sealing/Protective Cap			Katalog04	1 50281078



ISOBUS

Socket



The ISOBUS technology standardises communication between tractors, attached devices and agricultural (office) software. Other advantages of the ISOBUS socket include:

- an identical locking system for closed cover and plugged connector
- The bracket's emergency unlocking system prevents the socket from being

damaged if the plug is inadvertently pulled out.

- The integrated circuit board is encapsulated in water-proof 2K adhesive.
 - The cover seal is non-detachable.
- This socket (active) is mounted on the rear of the tractor.

Number of Poles: 9
Material: PBT
GRP (Glass fibre Reinforced Plastic)

Inspection Tag: E1
Version: Breakaway Connector
IBBC
Active

Voltage V	DIN/ISO	DU	Article no.
8 to 32	11783-2	1	51305435
Accessories	Number of Poles	see	DU
Plug Housing Set Deutsch DT (TE Connectivity)	4	Katalog04	1
Plug Housing Set ISOBUS		Page 19	1

ISOBUS

Socket



The ISOBUS technology standardises communication between tractors, attached devices and agricultural (office) software. Other advantages of the ISOBUS socket include:

- an identical locking system for closed cover and plugged connector
- The bracket's emergency unlocking system prevents the socket from being

damaged if the plug is inadvertently pulled out.

- The integrated circuit board is encapsulated in water-proof 2K adhesive.
 - The cover seal is non-detachable.
- This socket (passive) is optionally mounted on the front of the tractor.

Number of Poles: 9
Material: PBT
GRP (Glass fibre Reinforced Plastic)

Inspection Tag: E1
Version: Breakaway Connector
IBBC
Passive

Voltage V	DIN/ISO	DU	Article no.
8 to 32	11783-2	1	51305436
Accessories	Number of Poles	see	DU
Plug Housing Set Deutsch DT (TE Connectivity)	4	Katalog04	1
Plug Housing Set ISOBUS		Page 19	1

ISOBUS

Plug



Number of Poles: 9
Material: Plastic
Info: with gaskets/seals with strain relief with contacts

Version: IBIC

Voltage V	DIN/ISO	DU	Article no.
8 to 32	11783-2	1	51305648



ISOBUS Plug Housing Set



Number of Poles: 4
Material: Polyamid 6.6
Shape: angled
Version: ECU / Pass-Through
Info: with gaskets/seals
 with corrugated pipe
 connector
 with contacts

Shape	DIN/ISO	Nominal Size mm	DU	Article no.
angled	11783-2	19	1	50390706

for article number

51305435 | 51305436





» CEE PLUG CONNECTIONS 16 A



CEE connectors are suitable for universal use in commercial vehicles, for example in refrigerated box bodies, beverage trailers, swap bodies, heavy-duty trailers and fire brigades as well as in the entire camping and caravan sector. Thanks to our extensive product range, we can offer the right solution for every application. Whether a single socket or coupling, single plug or adapter or extension cable. The test marks affixed to each part guarantee the highest quality and safety.



CEE

Socket



Universal usage in commercial vehicles, for example for refrigerated truck bodies, beverage trailers, swap bodies, heavy-duty se-

mi-trailers, fire fighting vehicles and caravans.

Number of Poles: 3
Mounting Type: Screw Connection
Material: Plastic
IP-Code: IP 44
Inspection Tag: VDE

Info: with buckle protection
with strain relief
with lid
6 h

Version:

Voltage V	Rated current A	DIN/ISO	DU	Article no.
230	16	60309	1	51307020

CEE

Socket



CEE connectors are required universally for commercial vehicles, e.g. deep-freeze van bo-

dies, swap bodies, fire brigades, technical relief services and other special designs.

Number of Poles: 5
Mounting Type: Screw Connection
Material: Plastic
IP-Code: IP 44
Inspection Tag: VDE
KEMA KEUR

Info: with buckle protection
with strain relief
with lid
6h

Version:

Voltage V	DIN/ISO	Rated current A	DU	Article no.
400	60309	16	1	51307060
		32	1	51307070



CEE
Plug



Number of Poles: 3
Mounting Type: Screw Connection
Material: Plastic
IP-Code: IP 44
Inspection Tag: VDE
Info: with buckle protection with strain relief
Version: 6 h

Voltage V	Rated current A	DIN/ISO	DU	Article no.
230	16	60309	1	51307021

CEE
Plug



CEE connectors are required universally for commercial vehicles, e.g. deep-freeze van bodies, swap bodies, fire brigades, technical relief services and other special designs.

Number of Poles: 5
Mounting Type: Screw Connection
Material: Plastic
IP-Code: IP 44
Inspection Tag: VDE KEMA KEUR
Info: with buckle protection with strain relief
Version: 6 h

Voltage V	DIN/ISO	Rated current A	DU	Article no.
400	60309	16	1	51307061
		32	1	51307071

CEE
Socket



Number of Poles: 3
Mounting Type: Screw Connection
Material: Plastic
IP-Code: IP 44
Inspection Tag: VDE
Info: with lid
Version: 6 h

Voltage V	Rated current A	DIN/ISO	DU	Article no.
230	16	60309	1	51307022

CEE
Socket



CEE connectors are required universally for commercial vehicles, e.g. deep-freeze van bodies, swap bodies, fire brigades, technical relief services and other special designs.

Number of Poles: 5
Mounting Type: Screw Connection
Material: Plastic
IP-Code: IP 44
Inspection Tag: VDE ÖVE
Info: with lid
Version: 6 h

Voltage V	DIN/ISO	Rated current A	DU	Article no.
400	60309	16	1	51307062
		32	1	51307072



CEE
Plug



Number of Poles: 3
Mounting Type: Screw Connection
Material: Plastic
IP-Code: IP 44
Inspection Tag: VDE
ÖVE
Version: 6 h

Voltage V	Rated current A	DIN/ISO	DU	Article no.
230	16	60309	1	51307024

CEE
Socket



Number of Poles: 3
Mounting Type: Screw Connection
Material: Plastic
IP-Code: IP 44
Inspection Tag: Intertek
Info: with safety contact
with lid
with strain relief
Version: 6 h

Voltage V	Rated current A	DIN/ISO	DU	Article no.
230	16	60309	1	51307025

CEE
Socket Adapter



Cable Length: 1,5 m
Number of Poles: 3
Material: Plastic
Info: with safety contact
with lid

Voltage V	DIN/ISO	DU	Article no.
230	60309	1	51307051



CEE
Socket Adapter



Cable Length: 1,5 m **Info:** with safety contact
Number of Poles: 3 with lid
Material: Plastic

Voltage V	DIN/ISO	DU	Article no.
230	60309	1	51307052

CEE
Socket Adapter



Cable Length: 1,5 m **Info:** with safety contact
Number of Poles: 3 with lid
Material: Plastic

Voltage V	DIN/ISO	DU	Article no.
230	60309	1	51307050

CEE
Connecting Cable, socket



Number of Poles: 3 **Cable Length:** 10 m
Material: Plastic **Info:** with lid
Version: 6 h
IP-Code: IP 44
Inspection Tag: VDE
 KEMA-KEUR

Voltage V	Rated Current A	Wire cross-section mm ²	DIN/ISO	DU	Article no.
230	16	3G2,5	60309	1	51307053



Plug



Universal connector with square design and 3-leg negative contact for secure hold in the socket. The special centre contact ensures high current-carrying capacity and low contact

resistances. The stationary parts in the housing and the connector design ensure extremely simplified assembly.

Number of Poles: 1
Mounting Type: Screw Connection
Material: Plastic
Info: with bush
with force-locked strain relief
with fuse

Voltage V	Outer diameter 1 mm	Outer diameter 2 mm	DIN/ISO	Rated current A	DU	Article no.
12 to 24	12	20,4	4165 / SAE	15	1	51306071
				7,5	1	51306070
Content				Rated current A	QU	
Fuse MINI				7,5	1	50295776
				15	1	50295778
Accessories				see	DU	
Plug Connector				Page 25	10	50281006

Plug



Universal connector with square design and 3-leg negative contact for secure hold in the socket. The special centre contact ensures high current-carrying capacity and low contact

resistances. The stationary parts in the housing and the connector design ensure extremely simplified assembly.

Number of Poles: 1
Mounting Type: Screw Connection
Material: Plastic
Info: with bush
with screwed strain relief
with fuse

Voltage V	Outer diameter 1 mm	Outer diameter 2 mm	DIN/ISO	Rated current A	DU	Article no.
12 to 24	12	20,4	4165 / SAE	15	1	51306073
				7,5	1	51306072
Content				Rated current A	QU	
Fuse MINI				7,5	1	50295776
				15	1	50295778
Accessories				see	DU	
Plug Connector				Page 25	10	50281006



Plug



Universal connector with square design and 3-leg negative contact for secure hold in the socket. The special centre contact ensures high current-carrying capacity and low contact

resistances. The stationary parts in the housing and the connector design ensure extremely simplified assembly.

Number of Poles: 1
Mounting Type: Screw Connection
Material: Plastic
Info: with bush
with screwed strain relief
with fuse

Voltage V	Outer diameter 1 mm	Outer diameter 2 mm	DIN/ISO	Rated current A	DU	Article no.
12 to 24	12	20,4	4165 / SAE	15	1	51306075
				7,5	1	51306074
Content				Rated current A	QU	
Fuse MINI				7,5	1	50295776
				15	1	50295778
Accessories				see	DU	
Plug Connector				Page 25	10	50281006

Plug Connector



Material: PVC **Info:** with buckle protection

Length mm	for cable Ø mm	DU	Article no.
30	4	10	50281006

for article number

51306060 | 51306063 | 51306061 | 51306147 | 51306132 | 51306132099 | 51306142 |
51306125 | 51306070 | 51306071 | 51306072 | 51306073





Socket



Mounting Type: Flat Plug-in Connector
Material: Plastic
Info: with bolts/screws
WxHxD: 144 x 56 x 65 mm

Voltage V	Rated current A	Inner diameter mm	Socket Width mm	DIN/ISO	DU	Article no.
12 to 24	to 20	20,95	6,3	SAE	1	51306445
Accessories				see	DU	
Plug				Katalog04	1	51306861066

Socket



The USB connections' high charging current of 5000 mA (2 x 2500 mA) ensures reliable charging of electronic devices such as smartphones, mobile phones, satellite navigation devices, digital cameras and even tablets.

Material: PC (Polycarbonate)
Info: with overvoltage protection
Electromagnetic Compatibility (EMC)
with bolts/screws
Connector: with USB socket
WxHxD: 144 x 56 x 65 mm
Output voltage USB: 5 V

Voltage V	Rated current A	Inner diameter mm	DIN/ISO	DU	Article no.
12 to 24	to 20	20,95	SAE	1	51306872

Socket



The USB connections' high charging current of 5000 mA (2 x 2500 mA) ensures reliable charging of electronic devices such as smartphones, mobile phones, satellite navigation devices, digital cameras and even tablets. The USB ports can be switched via the on/off switch.

Material: PC (Polycarbonate)
Info: with overvoltage protection
Electromagnetic Compatibility (EMC)
with bolts/screws
Combi Switch Function: On/Off Switch
Connector: with USB socket
WxHxD: 144 x 56 x 65 mm
Output voltage USB: 5 V

Voltage V	Rated current A	Inner diameter mm	DIN/ISO	DU	Article no.
12 to 24	to 20	20,95	SAE	1	51306873

Socket



The USB double socket with a total charging current of 3600 mA guarantees reliable charging of electronic devices that can be charged via 5 V USB. The USB ports can be switched via the on/off switch.

Material: PC (Polycarbonate)
ABS (Acrylonitrile-Butadiene-Styrene Copolymerisate)
Info: with overvoltage protection
with overheating protection
with hot wire protection
with bolts/screws
Electromagnetic Compatibility (EMC)
Version: USB-A / USB-C
Combi Switch Function: On/Off Switch
Connector: with USB socket
WxHxD: 144 x 56 x 65 mm
Output voltage USB: 5 V

Voltage V	Rated current A	Inner diameter mm	DIN/ISO	DU	Article no.
12 to 24	to 20	20,95	SAE	1	51306875



Battery Post Clamp



Cross Section: to 50 mm² **Material:** Brass
Clamp Version: Terminal Screw **Surface:** Tin-plated
 Pressed Part **Info:** with screw connection

Battery Post Diameter mm	Clamp	DU	Article no.	
15,9	-	5	52285020	
17,5	+	5	52285019	
Accessories	see	only for	DU	
Cover, battery post clamp	Katalog04	52285020	10	50281114
	Katalog04	52285020	10	50281099
	Katalog04	52285020	10	50281098
	Katalog04	52285020	10	50281112
	Katalog04	52285020	10	50281116
Screw	Page 29		5	52285560
Cover, battery post clamp	Katalog04	52285019	10	50281113
	Katalog04	52285019	10	50281110
	Katalog04	52285019	10	50281109
	Katalog04	52285019	10	50281105
	Katalog04	52285019	10	50281115

Battery Post Clamp



Cross Section: 70 to 95 mm² **Material:** Brass
Clamp Version: Terminal Screw **Surface:** Tin-plated
 Cast Part **Info:** Bottom Connector

Battery Post Diameter mm	Clamp	DU	Article no.	
15,9	-	5	52285016	
17,5	+	5	52285015	
Accessories	see	only for	DU	
Cover, battery post clamp	Katalog04	52285016	10	50281116
	Katalog04	52285015	10	50281115

Battery Post Clamp



Cross Section: to 95 mm² **Material:** Brass
Clamp Version: Terminal Screw **Surface:** Tin-plated
 Pressed Part

Thread Size	Battery Post Diameter mm	Clamp	DU	Article no.
M8	15,9	-	5	52285018
	17,5	+	5	52285017
Content	Thread Size	QU		
Screw	M8 x 28	1	52285520	
Accessories	see	DU		
Screw	Page 29	5	52285560	
Cover, battery post clamp	Katalog04	52285018	10	50281118
	Katalog04	52285018	10	50281117
	Katalog04	52285018	10	50281116
	Katalog04	52285017	10	50281106
	Katalog04	52285017	10	50281101
Katalog04	52285017	10	50281115	



Battery Post Clamp



Cross Section: to 95 mm²
Number of connectors: 2
Clamp Version: Terminal Screw Pressed Part
Material: Brass
Surface: Tin-plated
Info: with bolts/screws

Thread Size	Battery Post Diameter mm	Clamp	DU	Article no.
M8 / M10	17,5	+	5	52285122
Accessories			see	DU
Cover, battery post clamp			Katalog04	10
Screw			Page 29	5

Battery Post Clamp



Cross Section: to 95 mm²
Number of connectors: 2
Clamp Version: Terminal Screw Pressed Part
Material: Brass
Surface: Tin-plated
Info: with bolts/screws

Thread Size	Battery Post Diameter mm	Clamp	DU	Article no.
M8 / M10	15,9	-	5	52285123
Accessories			see	DU
Cover, battery post clamp			Katalog04	10
Screw			Page 29	5

Battery Adapter



Material: Brass
Surface: Tin-plated
Version: US-Cars
Info: with screw

Thread Size	Battery Post Diameter mm	Clamp	DU	Article no.
M10	15,9	-	5	52285002
	17,5	+	5	52285001
Content			QU	
Screw			1	52285520
Accessories		see	only for	DU
Screw		Page 29	52285002	5



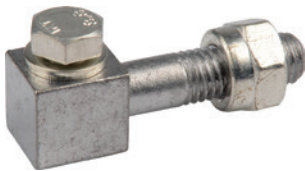
Battery Adapter



Round-terminal adapter set for batteries with threaded connectors

Clamp	Thread Size	QU	DU	Article no.
+	M6	Kit	1	52285500
-	M8	Kit	1	52285501

Screw



Clamp Version: with auxiliary port Info: with nut

		DU	Article no.
		5	52285560
Accessories	see	DU	
Cable Connector	Katalog04	100	50251566



Protective Cap, battery post



The poles of non-installed vehicle batteries must be covered to protect against short circuits or accidents. The protective caps fit on any standard commercial battery.

Material: Plastic

Diameter mm	Colour	DU	Article no.
17,9	●	10	50281120
19,5	●	10	50281119



AKNH Plug Housing Set

Temperature range: -40 to +90 °C
Info: with gaskets/seals with retaining with contacts

Plug Type: Round Connector Sleeve
Number of mating cycles: 1000



This connector with round laminated contacts in offset arrangement provides an exceptional number of contact points with high contact force. High impact, shock and vibration resistance is thus guaranteed.

Voltage V	IP-Code	Current rating at 20°C A	Current rating at 80°C A	Cross Section mm ²	DU	Article no.
48	IP 6K9K	180	150	35	1	50390701
		250	185	50	1	50390703

AKNH Plug Housing Set

Temperature range: -40 to +90 °C
Info: with gaskets/seals with retaining with contacts

Plug Type: Round Plug
Number of mating cycles: 1000



Voltage V	IP-Code	Current rating at 20°C A	Current rating at 80°C A	Cross Section mm ²	DU	Article no.
48	IP 6K9K	180	150	35	1	50390702
		250	185	50	1	50390704





» SUPERSEAL



Plug housing set

The plug housing sets from the Superseal range were developed to meet the increased requirements with regard to water-tightness and reliability. The Superseal 1.5 range complies with the regulations of IEC 529 and DIN 40050 IP 67 and is therefore suitable for use in the automobile industry, agriculture and the engineering industry. This system is also suitable for use on sensors. The Superseal plug housing sets are resistant to ozone, salts, petrol, diesel, brake fluid and engine oil.



Superseal
Plug Distributor

Plug Type:

Blade Terminal



Socket Width mm	Connector type		DU	Article no.
1,5	3 x 2		10	50390615
Accessories		Number of Poles	see	DU
Repair set, plug RepCon (Fiat Lancia)		2	Katalog04	1

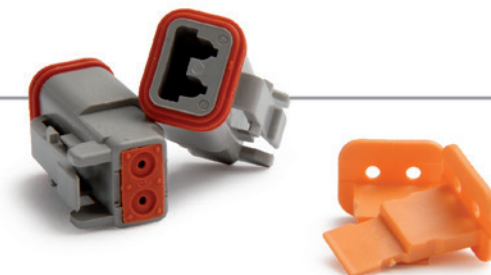


» DEUTSCH DT SERIES



The products in the Deutsch DT series are very robust and also work faultlessly at extreme ambient temperatures of -55 °C to 125 °C. The thermoplastic connector housing and the high quality silicone seals are protected against environmental influences like humidity, dirt and lubricants. The plug connectors have an impermeable safety lock. Up to 13

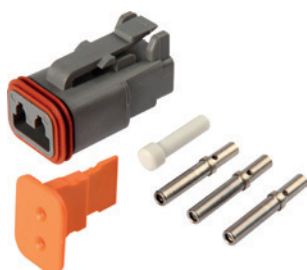
ampere current load are possible per contact. In summary, the Deutsch DT series is one of the most resilient connector systems and thus optimally suited to applications under the bonnet, on the gear unit, on the chassis and in the vehicle's interior.



Deutsch DT Plug Housing Set

Restriction:
Temperature range:
Number of Poles:
Info:

TE Connectivity
-55 to +125 °C
2
with seal



Plug Type	IP-Code	DU	Article no.
Round Connector Sleeve	IP 68	1	50390595
Content	Number of Poles	QU	
Plug Housing Deutsch DT (TE Connectivity)	2	1	50390590
Crimp Connector Deutsch DT (TE Connectivity)		3	50253965
Sealing-/Protection Plugs ELB Deutsch DT (TE Connectivity)		1	50282067
Secondary Lock, plug housing Deutsch DT (TE Connectivity)	2	1	50390585
Accessories	see	DU	
Plug Distributor Deutsch DT	Page 33	1	50390708
Release tool, housing	Katalog08	1	95945409
Release Tool, flat-/round plug (AMP Tyco JT AMP Tyco ST Deutsch DT Deutsch DTM)	Katalog08	1	95945379
Crimping Pliers CrimPro 10	Katalog08	1	95942330
	Katalog08	1	95942331
Crimping Pliers Insert DT (Deutsch DT Deutsch DTM)	Katalog08	1	95942358

Deutsch DT Plug Housing Set

Restriction:
Temperature range:
Number of Poles:
Info:

TE Connectivity
-55 to +125 °C
6
with seal



Plug Type	IP-Code	DU	Article no.	
Round Connector Sleeve	IP 68	1	50390498	
Content	Restriction	Number of Poles	QU	
Plug Housing Deutsch DT (TE Connectivity)	TE Connectivity	6	1	50390495
Crimp Connector Deutsch DT (TE Connectivity)			7	50253965
Sealing-/Protection Plugs ELB Deutsch DT (TE Connectivity)			5	50282067
Secondary Lock, plug housing Deutsch DT (TE Connectivity)		6	1	50390496
Accessories	Restriction	see	DU	
Crimping Pliers CrimPro 10		Katalog08	1	95942330
		Katalog08	1	95942331
Crimping Pliers Insert DT (Deutsch DT Deutsch DTM)	Deutsch DT Deutsch DTM	Katalog08	1	95942358
Release Tool, flat-/round plug (AMP Tyco JT AMP Tyco ST Deutsch DT Deutsch DTM)	AMP Tyco JT AMP Tyco ST Deutsch DT Deutsch DTM	Katalog08	1	95945379
Release tool, housing		Katalog08	1	95945409



Deutsch DT Plug Distributor

Current carrying capacity: 13 A
 IP-Code: IP 69K
 Temperature range: -20 to +80 °C



Connector type			DU	Article no.
3 x 2			1	50390708
Accessories		Number of Poles	see	DU
Plug Housing Set Deutsch DT (TE Connectivity)		2	Page 32	1 50390595
for article number				
50390595 50390600				

Plug Housing Set

Temperature range: -20 to +75 °C
 Number of Poles: 2
 Material: PC (Polycarbonate)



These plug housings are mainly used as a charging plug connection for industrial trucks and are suitable for universal use. (plug = socket)

Plug Type	Cross Section mm ²	Voltage V	DU	Article no.
Crimp Contact	6 to 13	600	1	50390580
Accessories		see	DU	
Handle, socket		Katalog04	1	50390680
Squeeze Pliers		Page 70	1	90942413





Plug Housing Set

Temperature range: -20 to +75 °C
Number of Poles: 2
Material: PC (Polycarbonate)



These plug housings are mainly used as a charging plug connection for industrial trucks and are suitable for universal use. (plug = socket)

Plug Type	Cross Section mm ²	Voltage V	DU	Article no.
Crimp Contact	25 to 35	600	1	50390581
Accessories		see	DU	
Handle, socket		Katalog04	1	50390681
Squeeze Pliers		Page 70	1	90942413

Plug Housing Set

Temperature range: -20 to +75 °C
Number of Poles: 2
Material: PC (Polycarbonate)



These plug housings are mainly used as a charging plug connection for industrial trucks and are suitable for universal use. (plug = socket)

Plug Type	Cross Section mm ²	Voltage V	DU	Article no.
Crimp Contact	50 to 70	600	1	50390582
Accessories		see	DU	
Handle, socket		Katalog04	1	50390681
Squeeze Pliers		Page 70	1	90942413



Plug Housing

Bulb Type: R2 (Bilux)
H4
Plug Type: Blade Terminal Sleeve



Number of Poles	Socket Width mm	DU	Article no.		
3	8	10	50290023		
Accessories		Cross Section mm ²	see	DU	Article no.
Crimp Connector		1,5 to 2,5	Katalog04	100	50251241

Plug, headlight

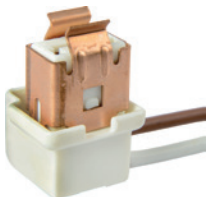
Bulb Type: R2 (Bilux)
H4
Info: without cable
with pressure spring



Number of Poles	DU	Article no.
3	1	50290319

Plug, headlight

Bulb Type: H1
Info: with cable



Number of Poles	Cable Length mm	DU	Article no.
1	40 60	1	50390297

Plug, headlight

Bulb Type: H7
Info: with cable



Number of Poles	Socket Type	Cable Length mm	DU	Article no.
2	PX26D	100 120	1	50390299



Plug, headlight

Bulb Type: H8
H11
H27W/2
H16
H27W/1
Info: with cable



Number of Poles	Socket Type	Cable Length mm	DU	Article no.		
2	PGJ19-1 PGJ19-2 PGJ13 PG13 PGJ19-3	175	1	50390441		
Accessories		Voltage V	Rated Power W	see	DU	
Bulb H11		12	55	Katalog06	1	89901110
Bulb H27W/2			27	Katalog06	1	89901302
Bulb H8			35	Katalog06	1	89901168

Plug, headlight

Bulb Type: HB3
H12
Info: with cable



Number of Poles	Socket Type	Cable Length mm	DU	Article no.		
2	P20d PZ20d PY20d	175	1	50390440		
Accessories		Voltage V	Rated Power W	see	DU	
Bulb H12		12	53	Katalog06	1	89901300
Bulb HB3			60	Katalog06	1	89901128


Plug, headlight



The connector, headlight for H7 bulbs, enables the connector of the headlight to be replaced easily and cheaply. With the 13 cm long cables with open cable ends, the

connector can be installed in all vehicles and motorbikes with H7 bulbs. The ceramic insulation protects the plastic housing from voltage and temperature loads.

Bulb Type: H7 **Info:** with cable
Material: Ceramic
PVC

Number of Poles	Socket Type	Cable Length mm	Connector	DU	Article no.
2	PX26D	130		1	50390437
Accessories			see	DU	
Squeeze Connector Crimpseal II			Katalog04	50	50252553


Plug, headlight



The connector, headlight for H4 bulbs, enables the connector of the headlight to be replaced easily and cheaply. With the 13 cm long cables with open cable ends, the

connector can be installed in all vehicles and motorbikes with H4 bulbs. The ceramic insulation protects the plastic housing from voltage and temperature loads.

Bulb Type: H4 **Info:** with cable
Material: Ceramic
PVC

Number of Poles	Socket Type	Cable Length mm	Connector	DU	Article no.
3	P43t	130		1	50390438
Accessories			see	DU	
Squeeze Connector Crimpseal II			Katalog04	50	50252553

» FUSE BOX SETS



Fuse box sets from one single box to complete central electrics

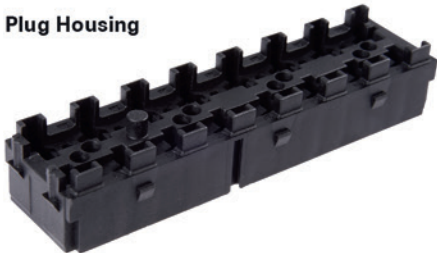
The fuse box sets can be installed individually, although they can also be grouped together in the supporting frame and optionally bridged. For ATO fuse boxes, sets containing 16 single contacts for fuses or automatic circuit-breakers can be obtained. Alternatively, a fuse box can be custom-configured as required. This enables the appropriate busbars (potentials) and lids to be directly selected for any application scenario.

Firstly, equip the empty housing with individual contacts or busbars. Then insert the attachment and lock in place (caution: cannot be removed again once locked). The supporting frames can likewise be equipped with our fuse boxes for mini fuses or automatic circuit-breakers and relay sockets. Combining the ATO and mini fuse boxes with the relay holders enables the entire central electrics to be set up.

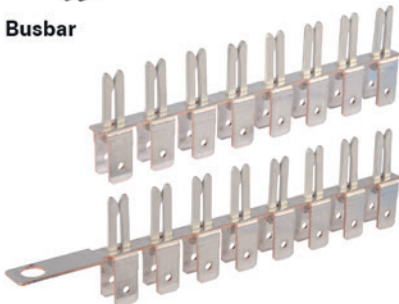
Protective Cap, fuse holder



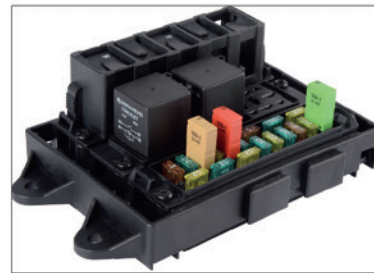
Plug Housing



Busbar



Fuse Box





ATO Fuse Box

Number of Poles: 8
Fuse Type: for standard plug-in fuse
WxHxD: 118 x 48 x 29 mm



Rated current A	Mounting Type	Socket Width mm	Info	DU	Article no.	
to 125	Flat Plug-in Connector	6,3	with contacts	1	50300030	
Content		Number of Poles	Rated current A	QU		
Fuse Box ATO		8	125	1	50300028	
Plug Housing ATO			to 125	1	50300028030	
Protective Cap, fuse holder				1	50300030034	
Plug Distributor ATO		1	to 60	16	50251961	
Accessories		Number of Poles	Rated current A	see	DU	
Busbar ATO	2	to 125		Page 42	5	50251962
	3			Page 42	5	50251963
	4			Page 42	5	50251964
	5			Page 42	5	50251965
	6			Page 42	5	50251966
	7			Page 42	5	50251967
	8			Page 42	5	50251968
	1			to 60	Page 43	5
	2	to 125		Page 43	5	50251972
	3			Page 43	5	50251973
	4			Page 43	5	50251974
	5			Page 43	5	50251975
	6			Page 43	5	50251976
	7			Page 43	5	50251977
	8			Page 43	5	50251978
	Plug Housing ATO					Page 41
Holder, fuse box				Page 45	1	50300042
				Page 45	1	50300043



ATO Fuse Box

Number of Poles: 8
Fuse Type: for standard automatic circuit breaker
WxHxD: 118 x 66 x 29 mm



Rated current A	Mounting Type	Socket Width mm	Info	DU	Article no.	
to 125	Flat Plug-in Connector	6,3	with contacts	1	50300031	
Content		Number of Poles	Rated current A	QU		
Plug Distributor ATO		1	to 60	16	50251961	
Fuse Box ATO		8	125	1	50300028	
Plug Housing ATO			to 125	1	50300028030	
Protective Cap, fuse holder				1	50300031034	
Accessories		Number of Poles	Rated current A	see	DU	
Busbar ATO	2	to 125		Page 42	5	50251962
	3			Page 42	5	50251963
	4			Page 42	5	50251964
	5			Page 42	5	50251965
	6			Page 42	5	50251966
	7			Page 42	5	50251967
	8			Page 42	5	50251968
	1			to 60	Page 43	5
	2	to 125		Page 43	5	50251972
	3			Page 43	5	50251973
	4			Page 43	5	50251974
	5			Page 43	5	50251975
	6			Page 43	5	50251976
	7			Page 43	5	50251977
	8			Page 43	5	50251978
	Plug Housing ATO					Page 41
Holder, fuse box			Page 45	1	50300042	
			Page 45	1	50300043	
for article number						
50295900 50295901 50295902 50295903 50295904 50295905 50295906 50295907 50295908 50295909 50295911 50295912 50295913 50295914 50295916 50295917 50295956						



ATO Fuse Box

Number of Poles: 8
Fuse Type: for standard automatic circuit breaker
WxHxD: 118 x 59 x 29 mm



Rated current A	Mounting Type	Socket Width mm	Info	DU	Article no.	
to 125	Flat Plug-in Connector	6,3	with contacts	1	50300032	
Content		Number of Poles	Rated current A	QU		
Fuse Box ATO		8	125	1	50300028	
Plug Housing ATO			to 125	1	50300028030	
Protective Cap, fuse holder				1	50300032034	
Plug Distributor ATO		1	to 60	16	50251961	
Accessories		Number of Poles	Rated current A	see	DU	
Busbar ATO	2	to 125		Page 42	5	50251962
	3			Page 42	5	50251963
	4			Page 42	5	50251964
	5			Page 42	5	50251965
	6			Page 42	5	50251966
	7			Page 42	5	50251967
	8			Page 42	5	50251968
	1			to 60	Page 43	5
	2	to 125		Page 43	5	50251972
	3			Page 43	5	50251973
	4			Page 43	5	50251974
	5			Page 43	5	50251975
	6			Page 43	5	50251976
	7			Page 43	5	50251977
	8			Page 43	5	50251978
	Plug Housing ATO				Page 41	1
Holder, fuse box			Page 45	1	50300042	
			Page 45	1	50300043	
for article number						
50295921 50295922 50295923 50295924 50295925 50295926 50295927 50295928 50295929						

ATO Fuse Box

Number of Poles: 8
Fuse Type: for standard plug-in fuse for standard automatic circuit breaker
WxHxD: 118 x 33 x 29 mm



Rated current A	Mounting Type	Socket Width mm	Info	DU	Article no.	
125	Flat Plug-in Connector	6,3	without plug insert without contacts	1	50300028	
Accessories		Number of Poles	Rated current A	see	DU	
Plug Housing ATO		8	to 125	Page 41	1	50300028030
				Page 41	1	50300028040
Holder, fuse box				Page 45	1	50300042
				Page 45	1	50300043
Protective Cap, fuse holder		8		Page 41	1	50300030034
				Page 42	1	50300031034
				Page 42	1	50300032034




ATO Plug Housing

WxHxD: 92 x 17 x 23 mm





Number of Poles	Socket Width mm	Info	DU	Article no.	
8	6,3	without contacts	1	50300028030	
Accessories	Number of Poles	Rated current A	see	DU	
Plug Distributor ATO	1	to 60	Page 42	10	50251961
Busbar ATO	2	to 125	Page 42	5	50251962
	3		Page 42	5	50251963
	4		Page 42	5	50251964
	5		Page 42	5	50251965
	6		Page 42	5	50251966
	7		Page 42	5	50251967
	8		Page 42	5	50251968
	1		to 60	Page 43	5
	2	to 125	Page 43	5	50251972
	3	to 125	Page 43	5	50251973
	4		Page 43	5	50251974
	5		Page 43	5	50251975
	6		Page 43	5	50251976
	7		Page 43	5	50251977
	8		Page 43	5	50251978

for article number 50300028 

ATO Plug Housing




Number of Poles	Multi-piece	Colour	DU	Article no.
8	Four-piece		1	50300028040
for article number 				
50300030 50300031 50300032 50300028				

Protective Cap, fuse holder

Number of Poles: 8
Fuse Type: for standard plug-in fuse



	DU	Article no.
	1	50300030034
for article number 		
50300030 50300028		



1

Protective Cap, fuse holder

Number of Poles: 8
Fuse Type: for standard automatic circuit breaker



	DU	Article no.
	1	50300031034
for article number		
50300031 50300028		

Protective Cap, fuse holder

Number of Poles: 8
Fuse Type: for standard automatic circuit breaker



	DU	Article no.
	1	50300032034
for article number		
50300032 50300028		

ATO

Busbar

Plug Type:

Blade Terminal



50251962



50251963



50251964



50251965



50251966



50251967



50251968



50251961

Socket Width mm	Socket Height mm	Rated current A	Number of Poles	DU	Article no.
6,3	0,8	to 125	2	5	50251962
			3	5	50251963
			4	5	50251964
			5	5	50251965
			6	5	50251966
			7	5	50251967
			8	5	50251968
			to 60	1	10



ATO

Busbar

Plug Type:
Info:

Blade Terminal
with terminal link



Socket Width mm	Socket Height mm	Bore Ø mm	Rated current A	Number of Poles	DU	Article no.
6,3	0,8	5,3	to 125	2	5	50251972
				3	5	50251973
				4	5	50251974
				5	5	50251975
				6	5	50251976
				7	5	50251977
				8	5	50251978
			to 60	1	5	50251971

MINI

Fuse Box

Number of Poles: 18
 Fuse Type: for mini-blade plug-in fuse
 Number of connectors: 32
 WxHxD: 118 x 48 x 29 mm



Rated current A	Mounting Type	Socket Width mm	Info	DU	Article no.
to 30	Flat Plug-in Connector	6,3	with contacts	1	50300001
Accessories		Number of Poles	see	DU	
Holder, fuse box			Page 45	1	50300042
			Page 45	1	50300043
Plug Housing		18	Page 44	1	50300001040

MINI

Fuse Box

Number of Poles: 18
 Fuse Type: for mini automatic circuit breaker
 Number of connectors: 32
 WxHxD: 118 x 66 x 29 mm



Rated current A	Mounting Type	Socket Width mm	Info	DU	Article no.
to 30	Flat Plug-in Connector	6,3	with contacts	1	50300002
Accessories		Number of Poles	see	DU	
Holder, fuse box			Page 45	1	50300042
			Page 45	1	50300043
Plug Housing		18	Page 44	1	50300001040

for article number

50295890	50295891	50295892	50295893	50295894	50295895	50295896	50295990
50295991	50295992	50295993	50295994	50295995	50295996	50295690	
50295691	50295692	50295693	50295694	50295695	50295696		



Plug Housing



Number of Poles	Multi-piece	Colour	DU	Article no.
18	8-piece	●	1	50300001040
for article number				
50300001 50300002				

Relay Socket

Number of Poles:
Info:

9
with holder



Plug Type	Connector type	Colour	DU	Article no.
Blade Terminal Sleeve	5 x 6,3 mm 4 x 2,8 mm	●	1	50390963
Accessories	Cross Section mm ²	see	DU	
Crimp Connector	0,5 to 1	Katalog04	100	50251194
	1,5 to 2,5	Katalog04	100	50251212
	0,5 to 1	Katalog04	100	50251214
	4 to 6	Katalog04	100	50251216
	1,5 to 2,5	Katalog04	100	50251317
		Katalog04	100	50251318
		Katalog04	100	50251418
Holder, fuse box		Page 45	1	50300042
		Page 45	1	50300043

Relay Socket

Number of Poles:
Info:

5
with holder



Plug Type	Connector type	Colour	DU	Article no.	
Blade Terminal Sleeve	2 x 6,3 mm 3 x 4,8 mm	●	1	50390964	
Accessories	Number of Poles	Cross Section mm ²	see	DU	
Crimp Connector		0,5 to 1	Katalog04	100	50251205
		1,5 to 2,5	Katalog04	100	50251212
		0,5 to 1	Katalog04	100	50251214
		1,5 to 2,5	Katalog04	100	50251317
			Katalog04	100	50251318
		Katalog04	100	50251418	
Holder, fuse box			Page 45	1	50300042
			Page 45	1	50300043
Sealing/Protective Cap	5		Page 44	1	50390964034

Sealing/Protective Cap

Number of Poles:

5



	DU	Article no.
	1	50390964034
for article number		
50390964		



Holder, fuse box

Bore Ø: 6,5 mm
 Mounting bores: 2
 WxHxD: 177 x 24 x 68 mm
 Info: Connectable in series with bolts/screws



		Colour	DU	Article no.
		●	1	50300042
Accessories	Number of Holes	see	DU	
Bridge, fuse holder	1	Page 45	1	50300042011
	2	Page 45	1	50300042012
for article number				
50300030 50300031 50300032 50390963 50390964 50300001 50300002				

Holder, fuse box

Bore Ø: 6,5 mm
 Mounting bores: 4
 WxHxD: 177 x 24 x 99 mm
 Info: with bolts/screws



		Colour	DU	Article no.
		●	1	50300043
Accessories	Number of Holes	see	DU	
Bridge, fuse holder	1	Page 45	1	50300042011
	2	Page 45	1	50300042012
	3	Page 45	1	50300043013
for article number				
50300030 50300031 50300032 50390963 50390964 50300001 50300002				

Bridge, fuse holder



Number of Holes	DU	Article no.
1	1	50300042011
for article number		
50300042 50300043		

Bridge, fuse holder



Number of Holes	DU	Article no.
2	1	50300042012
for article number		
50300042 50300043		

Bridge, fuse holder



Number of Holes	DU	Article no.
3	1	50300043013
for article number		
50300043		



ATO Fuse Holder

Fuse Type: for standard plug-in fuse
Info: with connection line
DIN/ISO: 72581/3C



Voltage V	Rated current A	Cross Section mm ²	DU	Article no.
32	to 30	2,5	10	50290095
Accessories			see	DU
Screw-on Plate, fuse holder			Page 46	10
				50290095012

Screw-on Plate, fuse holder

Material: Plastic
Info: Connectable in series



Bore Ø mm	Hole spacing 1 mm	DU	Article no.
4	20	10	50290095012
for article number			
50290095 50290095066			





Automatic Circuit Breaker

Fuse Type: for screw fuse
DIN/ISO: SAE J1625
 SAE J1117
IP-Code: IP 67
Operating Mode: Manual (hand operated)
Height: 44 mm
Info: Top Connector



Voltage V	Rated current A	Colour	DU	Article no.
42	100	●	1	50295739
	150	●	1	50295743
	200	●	1	50295745
	50	●	1	50295734
	60	●	1	50295735
	80	●	1	50295737

MEGA/BF2

Fuse Holder

Bolt Distance: 51 mm
Fuse Type: Bolt Type Fuse
WxHxD: 120 x 39 x 42 mm
Info: Connectable in series



Voltage V	Rated current A	Thread Size	DU	Article no.
32	to 500	M8	1	50300017
Accessories		Rated current A	see	DU
Fuse MEGA	350	Katalog04	1	50295380
	500	Katalog04	1	50295383
	100	Katalog04	1	50295870
	125	Katalog04	1	50295871
	175	Katalog04	1	50295872
	200	Katalog04	1	50295873
	300	Katalog04	1	50295874
	400	Katalog04	1	50295875
	80	Katalog04	1	50295876
	225	Katalog04	1	50295878
250	Katalog04	1	50295879	



1

MIDI/BF1 Fuse Holder

Bolt Distance: 30 mm
Fuse Type: for fuse wire
WxHxD: 51,5 x 25 x 27,5 mm
Info: Connectable in series



Voltage V	Rated current A	Thread Size	DU	Article no.	
32	to 200	M5	1	50300018	
Accessories		Rated current A	see	DU	
Fuse BF1	30	Katalog04	1	50295858	
	40	Katalog04	1	50295859	
	50	Katalog04	1	50295860	
	60	Katalog04	1	50295861	
	80	Katalog04	1	50295862	
	100	Katalog04	1	50295863	
	125	Katalog04	1	50295864	
	70	Katalog04	1	50295865	
	150	Katalog04	1	50295866	
	200	Katalog04	1	50295867	
Fuse	30	Katalog04	50	50295100	
	50	Katalog04	50	50295102	
	60	Katalog04	50	50295103	
	80	Katalog04	50	50295104	
	100	Katalog04	50	50295105	
	120	Katalog04	50	50295106	
	150	Katalog04	50	50295107	
	40	Katalog04	50	50295122	
	25	Katalog04	50	50295123	
	70	Katalog04	50	50295124	
125	Katalog04	50	50295125		
Fuse HSB	30	Katalog04	10	50295009	
	40	Katalog04	10	50295010	
	50	Katalog04	10	50295011	
	60	Katalog04	10	50295012	
	110	Katalog04	10	50295013	
	150	Katalog04	10	50295014	
	175	Katalog04	10	50295015	
	80	Katalog04	10	50295018	



» REPAIR KIT, AIR CONDITIONING



Further information on the repair Kit, air conditioning

All connection sizes were burst pressure tested by TÜV and a high level of resistance has been confirmed:

- 10 mm: Burst pressure > 100 bar
- 12 mm: Burst pressure > 100 bar
- 14 mm: Burst pressure > 80 bar
- 16 mm: Burst pressure > 60 bar
- 18 mm: Burst pressure > 50 bar



Product advantages:

- Covers almost standard sizes from 10 to 18 mm
- No non-standard inch sizes included
- No corrosion possible on the repaired vehicle cables as aluminium is used
- Anodised individual parts
- Different colours of the components for easy and safe assembly
- Can be installed without special tools
- Cheaper than installing a completely new cable harness
- Not limited to one vehicle manufacturer and therefore suitable for universal use, including commercial vehicles and agricultural machinery
- Fast repair solution as an immediate aid, no long wait times and standstill

Other sizes and pipe sections (90°/45°) are possible depending on demand.



Repair Kit, air conditioning

Surface: anodized



The repair kit can be used to connect separate aluminium pipes to the air conditioner or replace entire straight pipe sections. For repair work, aluminium pipes are included in a length of 20 cm and the appropriate connecting sets, consisting of screw components and seals.

Pipe cutters, deburring machines and non-woven abrasive are required for proper processing and are also included with this repair kit. The seal rings in the sets are suitable for all standard refrigerants.

Wall Thickness mm	Outer Ø mm	Seal Diameter mm	Quantity	DU	Article no.
1,0	10,0	10,0	98		54272015
	12,0	12,0			
	14,0	14,0			
	16,0	16,0			
	18,0	18,0			
Content	Outer Ø	Seal Diameter	QU		
Repair Kit, air conditioning	10,0	10,0	1		51272010
	12,0	12,0	1		51272012
	14,0	14,0	1		51272014
	16,0	16,0	1		51272016
	18,0	18,0	1		51272018



MINI

Assortment, fuses

Rated current: 3 to 30 A
Fuse Type: Mini-Flat Fuse
DIN/ISO: 72581/3F



				Quantity	DU	Article no.
				111	1	54295570
Content	Fuse Type	Rated current A	Colour	QU		
Fuse MINI	Mini-Flat Fuse	3		10	50295773	
		5		10	50295775	
		7,5		10	50295776	
		10		20	50295777	
		15		20	50295778	
		20		20	50295779	
		25		10	50295780	
		30		10	50295781	
Gripping Pliers, lock	for standard plug-in fuse for mini-blade plug-in fuse for low profile mini blade fuse			1	90942403	
Assortment Box				1	99994508	

MAXI

Assortment, fuses

Rated current: 20 to 100 A
Fuse Type: Maxi-Flat Fuse



				Quantity	DU	Article no.
				24	1	54295540
Content	Fuse Type	Rated current A	Colour	QU		
Fuse MAXI	Maxi-Flat Fuse	20		2	50295542	
		30		4	50295543	
		40		4	50295544	
		50		4	50295545	
		60		4	50295546	
		70		2	50295547	
		80		2	50295548	
		100		2	50295550	
Assortment Box				1	99994508	



ATO Torpedo

Assortment, fuses

Rated current: 1 to 40 A
Fuse Type: Standard Flat Fuse
Torpedo fuse



		Quantity	DU	Article no.	
		354	1	54295011	
Content	Fuse Type	Rated current A	Colour	QU	
Fuse ATO	Standard Flat Fuse	1	●	10	50295401
		2	●	10	50295402
		3	●	25	50295403
		5	●	25	50295405
		7,5	●	25	50295407
		10	●	25	50295410
		15	●	25	50295415
		20	●	25	50295420
		25	●	25	50295425
		30	●	25	50295430
Fuse Torpedo	Torpedo fuse	5	●	25	50295032
		8	●	25	50295034
		16	●	25	50295035
		25	●	25	50295036
Fuse Holder ATO	for standard plug-in fuse	2 to 20		6	50290093
Gripping Pliers, lock	for standard plug-in fuse for mini-blade plug-in fuse for low profile mini blade fuse			3	90942403
Assortment Box				1	99994509

ATO Torpedo

Assortment, fuses

Rated current: 2 to 30 A
Fuse Type: Standard Flat Fuse
Glass Fuse
Torpedo fuse



		Quantity	DU	Article no.	
		405	1	54295021	
Content	Fuse Type	Rated current A	Colour	QU	
Fuse ATO	Standard Flat Fuse	5	●	10	50295405
		7,5	●	10	50295407
		10	●	50	50295410
		15	●	50	50295415
		20	●	25	50295420
		25	●	10	50295425
Fuse Torpedo	Torpedo fuse	30	●	25	50295430
		5	●	10	50295032
		8	●	50	50295034
		16	●	50	50295035
Fuse	Glass Fuse	25	●	10	50295036
		2		30	50295050
		5		10	50295005
		10		25	50295151
		15		25	50295152
Assortment Box		20		15	50295153
				1	99994509



Assortment, clamping clips

DIN standards: DIN 3021
(springband hose clips)
Info: with mounting tools



This line contains the most common spring band clamps (DIN 3021) for line cross sections ranging from 14 to 47 mm. An empty compartment is also included for personal use. Spring band clamps have an advantage over conventional hose clamps in that they adjust to the individual diameter in the application as a function of temperature. This means that all air

or fuel circuits present in the vehicle are always securely attached. This attachment solution is also more durable, as the lines do not chafe or rub. A handy pair of pliers has been added to the range to assist with fitting and removal of the clamps. The refill packs listed in the insert all fit into the relevant compartment in the range.

Diameter mm	contained variants		Quantity	DU	Article no.	
14 to 47	8		65	1	54268100	
Content	Nominal diameter mm	Clamping range mm	Width mm	QU		
Clamping Clip	14	13,1 to 15,8	12	10	50268514025	
	17	15,6 to 18,5		10	50268517025	
	19	17,8 to 20,2		10	50268519025	
	23	21 to 24,7		10	50268523010	
	27	25,2 to 29,2		10	50268527010	
	32	29,3 to 24,5		5	50268532005	
	40	35,5 to 42,5		5	50268540005	
	47	41,4 to 50		5	50268547005	
Pliers, hose clamp		to 55		1	95922000	
Assortment Box			338	1	99994523	
Accessories			Width mm	see	DU	
Frame, assortment box HandyBox			376	Katalog04	1	99994532

Assortment, protective plugs and caps

Material: PVC
Info: Double-sidedClosed



Bore holes in the chassis can be securely sealed by using rubber stoppers.

Quantity	Quantity	DU	Article no.
355	355	1	54280020
Content	Diameter mm	Diameter 1/2 mm	QU
Assortment Box			1
Sealing-/Protection Plugs	2	6 / 10	100
	4	7,5 / 11	50
	7	10 / 15	100
	8	12 / 20	25
	10	14 / 19	50
	14	18 / 25	30



Assortment, cable tie mounting base

contained variants: 8
 Chemical Properties: UV resistant
 Weatherproof: Weatherproof



Quantity	DU	Article no.	
110	1	54265010	
Content	QU		
Mounting Base, cable tie	10	50265513	
	10	50265516	
	10	50265530	
	10	50265625	
	10	50265714066	
	10	50265722066	
Mounting Base, cable tie FlexTack	10	50265724	
Mounting Base, cable tie	10	50265751010	
Cable Tie	30	50266492	
Accessories	see	DU	
Cable Tie Pliers	Katalog08	1	90942365



Assortment, cable ties

Material: Polyamid 6.6
 Temperature range: -40 to +85 °C
 Inspection Tag: UL94 V2
 Cable tie toothing: inner



	Quantity	DU	Article no.
	700	1	50266070
Content	QU		
Cable Tie	100		50266490
	100		50266491
	100		50266492
	100		50266001
	100		50266002
	100		50266003
	100		50266004
Accessories	see	DU	
Cable Tie Pliers	Katalog08	1	90942365



ClipFixbasic ClipFixcycle ClassicFixbasic ClipFixtwins

Assortment, spacer

Restriction:

Poppe



This range contains various elastomer spacers in the most typical sizes for each one. The branded ClassicFix and ClipFix spacers can be used as chafe protection, spacer or damper rings or as cable connectors in almost any vehicle. The ClipFixbasic, ClipFixcycle and ClipFixtwins variants are further developments of the ClassicFixbasic model and ideal for retrofitting, e.g. in areas with restricted accessibility. The ClipFixtwins can connect multiple lines or hoses. The toothed clip rings are entered in the trademarks register and are

additionally copyrighted under a European patent and Chinese design protection.

- The spacers are suitable for lines or hoses made of plastic, metal, braided steel or elastomer
- Designed for use in temperature ranges from -40 °C to +120 °C (briefly also up to +150 °C.)
- Repair-friendly handling,
- Adhesive-free mounting
- Ease of removal

Diameter mm	contained variants	Quantity	DU	Article no.
6 to 24	15	62	1	54230010
Content	for cable Ø mm	Inner Ø mm	QU	
Spacer ClipFixbasic (Poppe)	6	5,2	4	50230306
	8	7,5	4	50230308
	9	8,5	4	50230309
	10	9,5	4	50230210
	11	10,5	2	50230311
	12	11,5	2	50230312
	13	12,5	5	50230313
	15	14,5	5	50230315
	18	17	5	50230318
	20	19	5	50230320
Spacer ClipFixcycle (Poppe)	24	23	5	50230324
	18	16,9	2	50230804
Spacer ClassicFixbasic (Poppe)	13,5	13	5	50230808
Spacer ClipFixtwins (Poppe)	23		5	50230817
			5	50230818
Assortment Box			1	99994522
Accessories		see	DU	
Frame, assortment box HandyBox		Katalog04	1	99994532
Pliers, spacer			1	95922004

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Assortment, cable entry grommets

Material:
Info:

PVC
One-sided
Double-sided
Open



If cables are to be fed through holes in the chassis, rubber grommets protect the cable from any abrasion damage on sharp edges.

	Quantity	DU	Article no.
	197	1	54280011
Content	Diameter 1/2 mm	QU	
Assortment Box		1	99994509
Cable Entry Grommet	10 / 14	25	50280106
	11,5 / 16	20	50280108
	14 / 18	10	50280111
	7,8 / 11	25	50280205
	8,5 / 15	20	50280410
	10 / 14	20	50280209
	12 / 18	20	50280211
	19,5 / 24	10	50280212
	21 / 26	10	50280213
	24 / 30	8	50280216
30 / 35	4	50280225	



Assortment, solder connections

Plug Type: Ring Connector
DIN/ISO: 46211 A
Material: Brass
Surface: Galvanized



				Quantity	DU	Article no.
				62	1	54250001
Content	Cross Section mm ²	Bore Ø mm	Length 1/2 mm	QU		
Soldered Connector	6 to 10	6,5	21 / 10,2	10	50250111	
	10 to 16		24 / 11,6	10	50250165	
		8,4	27 / 11,6	10	50250166	
		10,5	29 / 11,6	10	50250167	
	16 to 35	8,4	30 / 13,8	10	50250256	
		10,5	32 / 13,8	4	50250257	
25 to 50	8,4	33 / 16,4	4	50250355		
	10,5	35 / 16,4	4	50250356		
Assortment Box				1		99994508

Assortment, squeeze connectors

Material: Copper
Surface: Tin-plated
Plug Type: Wire End Ferrule



This product range includes 550 ferrules in sizes from 0.5 to 6 mm². The refill packs fit into the respective compartment in the product range.

					Quantity	DU	Article no.
					550	1	54254170
Content	Length 1/2 mm	Cross Section mm ²	Diameter 1/2 mm	Colour	QU		
Squeeze Connector	14 / 8	0,5	1 / 2,6	●	100	50252170	
		0,75	1,2 / 2,8	○	100	50252171	
		1	1,4 / 3	●	100	50252172	
		1,5	1,7 / 3,5	●	100	50252173	
	15 / 8	2,5	2,2 / 4,2	●	50	50252174050	
	17 / 10	4	2,8 / 4,8	●	50	50252175050	
	20 / 12	6	3,5 / 6,3	●	50	50252176050	
	Accessories		Cross Section mm ²	see	DU		
Squeeze Pliers		0,08 to 16	Katalog08	1		95942365	

Assortment, squeeze connectors

DIN/ISO: 46228
Material: Copper
Surface: Tin-plated
Plug Type: Wire End Ferrule



				Quantity	DU	Article no.
				250	1	54254700
Content	Diameter 1/2 mm	Cross Section mm ²	QU			
Squeeze Connector	1,7 / 2,5	1	50	50251710		
	2 / 2,8	1,5	50	50251715		
	2,6 / 3,4	2,5	50	50251725		
	3,2 / 4	4	50	50251740		
	3,9 / 4,7	6	50	50251760		
Accessories		Cross Section mm ²	see	DU		
Squeeze Pliers		0,08 to 16	Katalog08	1		95942365



1

Assortment, squeeze connectors

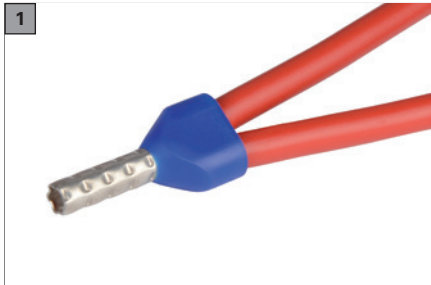
Material: Copper
Surface: Tin-plated
Plug Type: Wire End Ferrule



This product range includes 400 duo ferrules in sizes from 0.5 to 6 mm². The ferrules are designed for assembly with two cables each.

The refill packs fit into the respective compartment in the product range.

					Quantity	DU	Article no.
					400	1	54254180
Content	Length 1/2 mm	Cross Section mm ²	Diameter 1/2 mm	Colour	QU		
Squeeze Connector	14,5 / 8	0,5	1,5 / 1,8	○	100	50252180	
	14,7 / 8	0,75	1,8 / 2,1	●	100	50252181	
	15,1 / 8	1	2,1 / 2,4	●	50	50252182	
	15,5 / 8	1,5	2,3 / 2,6	●	50	50252183	
	18,5 / 10	2,5	2,9 / 3,3	●	50	50252184	
	23,1 / 12	4	3,8 / 4,2	●	20	50252185	
	26,1 / 14	6	4,9 / 5,3	●	30	50252186	
Accessories			Cross Section mm ²	see	DU		
Squeeze Pliers			0,08 to 16	Katalog08	1	95942365	



Assortment, squeeze connectors

Plug Type: Butt Joint
Info: Ring Connector with crimping pliers



This range includes the most common butt connectors (DIN 46341-1B) and tubular cable lugs with a ring terminal (similar to DIN

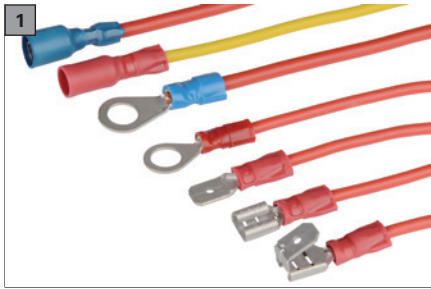
13600). A pair of premium pliers (with 'W' crimp) has also been added to the range for processing cable cross sections up to 16 mm².

					Quantity	DU	Article no.
					290	1	54254120
Content				Cross Section mm ²	QU		
Squeeze Connector				0,5 to 1	25	50251030	
				1,5 to 2,5	25	50251032	
				4 to 6	25	50251034	
				10	10	50251035	
				16	10	50251036	
				0,75	25	50251604	
				1,5	25	50251614	
					25	50251616	
				2,5	25	50251626	
					25	50251628	
				4	10	50251646	
					10	50251648	
				6	10	50251666	
					10	50251668	
				10	10	50251674	
				10	50251675		
			16	5	50251679		
				5	50251680		
Squeeze Pliers						1	95942059
Assortment Box						1	99994523
Accessories				see	DU		
Frame, assortment box HandyBox				Katalog04	1	99994532	

Assortment, squeeze connectors

Plug Type: Blade Terminal
Blade Terminal Sleeve
Round Plug
Round Connector Sleeve
Ring Connector
Plug Terminal

Info: with crimping pliers



This 450-part product range contains the most common insulated crimp connectors in accordance with DIN 46245 and ring connectors in accordance with DIN 46237. High-quality pliers have also been included in the product range for processing the connectors included.

All the connectors included can be reordered separately if necessary. For this purpose, the article numbers were added to the product range as inlays. The refill packs fit into the respective compartment in the box.

				Quantity	DU	Article no.
				450	1	54254152
Content	Socket Width mm	Diameter mm	Cross Section mm ²	QU		
Squeeze Connector	2,8		0,5 to 1	25	50252519	
	6,3			25	50252550066	
	2,8			25	50252501	
	4,8			25	50252506	
	6,3			1,5 to 2,5	25	50252521066
			0,5 to 1	25	50252510	
			1,5 to 2,5	25	50252511066	
				25	50252551066	
			0,5 to 1	25	50254210066	
			1,5 to 2,5	25	50254211066	
		4	0,5 to 1	25	50252530066	
		5	1,5 to 2,5	25	50252531066	
		4	0,5 to 1	25	50252532066	
		5	1,5 to 2,5	25	50252533066	
				25	50252123066	
Squeeze Pliers			0,5 to 6	1	95942260	
Assortment Box				1	99994523	
Accessories				see	DU	
Frame, assortment box HandyBox				Katalog04	1	99994532

Assortment, hose clamps

Quality/ Grade: Typ W1
Material: Steel



This assortment contains the most common 2-ear clamps for line cross sections of 5 to 20 mm. Two empty compartments are also included for personal use. The use of 2-ear clamps is the ideal solution for simple hose connections, e.g. in compressed air systems. The two

ears ensure a secure hold and a constant distribution of pressure all round. The slightly rounded edges help protect the hose. The refill packs listed in the insert all fit into the relevant compartment in the range.

Diameter mm			Quantity	DU	Article no.
5 to 20			160	1	54268200
Content	Width mm	Clamping range mm	QU		
Hose Clamp	6	5 to 7	25	50268340	
		7 to 9	25	50268341	
	6,5	9 to 11	25	50268342	
		11 to 13	25	50268343	
	7	13 to 15	20	50268344	
		14 to 17	20	50268345	
7,5	17 to 20	20	50268347		
	Assortment Box	240		1	99994521



Assortment, hose connectors

Shape: straight with Hex.
Material: POM (Polyoxymethylene)
Chemical Properties: Oil resistant



The great advantage of the 60 hose connectors in this assortment is in the hexagonal intermediate piece. This intermediate piece serves as a holder for a conventional spanner and simultaneously functions as both a "finger extension" and a lever. Mounting is made considerably easier, especially in tight spaces and hard-to-reach areas. Furthermore, the intermediate piece offers the option of attaching

a cable tie to fix the hose in place. The travel stops at both ends also prevent the cable tie from slipping. In addition, the black colour of the oil-resistant connectors ensures that they blend in perfectly with the hoses usually found installed in vehicles. The connectors contained in the assortment box are suitable for connecting smooth hoses with an inner diameter of between 3 and 6 mm.

Inlets / Outlets	for cable Ø mm	Quantity	Colour	Quantity	DU	Article no.
2	3 4 5 6	60	●	60	1	54271300
Content				for cable Ø mm	QU	
Hose Connector RepPipe				3	6	51271310
				4	6	51271311
Hose Connector				5	6	51271312
				6	6	51271313
Adapter, hose connector				4	6	51271314
				3	6	51271315
				5	6	51271316
				4	6	51271317
				6	6	51271318
				3	6	51271319
				6	6	51271318
				4	6	51271319
				6	6	51271318
				5	6	51271319



Superseal

Assortment, plug housings

Restriction: TE Connectivity
DIN/ISO: 40050
IP-Code: IP 67
Info: with gaskets/seals
 with crimp connector



The plug housing sets from the Superseal range were developed to meet the increased requirements with regard to water-tightness and reliability. The Superseal 1.5 range complies with the regulations of IEC 529 and DIN/ISO 40050 IP 67 and is therefore suitable for

use in the automobile industry, agriculture and the engineering industry. This system is also suitable for use on sensors. The 1 to 4 pin plug housings included in the assortment are resistant to ozone, salts, petrol, diesel, brake fluid and engine oil.

			Quantity	DU	Article no.
			314	1	54290050
Content	Number of Poles	Cross Section mm ²	Colour	QU	
Crimp Connector Superseal (TE Connectivity)		0,75 to 1,5		60	50253326
				60	50253327
Sealing-/Protection Plugs ELA Superseal (AMP Tyco ELA 5,5)		1 to 1,5	●	100	50282048
Sealing-/Protection Plugs ELB Superseal (AMP Tyco ELB 5,5)			●	50	50282049
Plug Housing Superseal (TE Connectivity)	1			6	50290825010
	2			8	50290826010
	3			4	50290827005
	4			4	50290828005
Plug Housing Superseal (TE Connectivity)	1			6	50290835010
Plug Housing Superseal (TE Connectivity)	2			8	50290836010
	3			4	50290837005
	4			4	50290838005
Assortment Box				1	99994509
Accessories		Number of Poles	see	DU	
Crimping Pliers Insert (AMP Tyco Superseal)			Katalog08	1	95942189
Crimping Pliers CrimPro 30			Katalog08	1	95942164
			Katalog08	1	95942166
Release Tool, flat-/round plug (AMP Tyco Superseal)			Katalog08	1	95945376
Release tool, housing (AMP Tyco Superseal Deutsch DT)			Katalog08	1	95945398
Plug Connector Superseal		2	Katalog04	10	50281056
		3	Katalog04	10	50281057
		4	Katalog04	10	50281058
		5			



Superseal Assortment, plug housings

Restriction: TE Connectivity
DIN/ISO: 40050
IP-Code: IP 67
Info: with gaskets/seals
with crimp connector



The plug housing sets from the Superseal range were developed to meet the increased requirements with regard to water-tightness and reliability. The Superseal 1.5 range complies with the regulations of IEC 529 and DIN/ISO 40050 IP 67 and is therefore suitable for

use in the automobile industry, agriculture and the engineering industry. This system is also suitable for use on sensors. The 1 to 6 pin plug housings included in the assortment are resistant to ozone, salts, petrol, diesel, brake fluid and engine oil.

			Quantity	DU	Article no.
			580	1	54290150
Content	Number of Poles	Cross Section mm ²	Colour	QU	
Crimp Connector Superseal (TE Connectivity)		0,75 to 1,5		100	50253326
				100	50253327
Sealing-/Protection Plugs ELA Superseal (AMP Tyco ELA 5,5)		1 to 1,5	● Yellow	200	50282048
Sealing-/Protection Plugs ELB Superseal (AMP Tyco ELB 5,5)			● Red	100	50282049
Plug Housing Superseal (TE Connectivity)	1			10	50290825
Plug Housing Superseal (TE Connectivity)				10	50290826
Plug Housing Superseal (TE Connectivity)	3			5	50290827
	4			5	50290828
	5			5	50290829
	6			5	50290830
	1			10	50290835
Plug Housing Superseal (TE Connectivity)				10	50290836
Plug Housing Superseal (TE Connectivity)	3			5	50290837
	4			5	50290838
	5			5	50290839
	6			5	50290840
Assortment Box				1	99994522
Accessories		Number of Poles	see	DU	
Crimping Pliers Insert (AMP Tyco Superseal)			Katalog08	1	95942189
Crimping Pliers CrimPro 30			Katalog08	1	95942164
			Katalog08	1	95942166
Frame, assortment box HandyBox			Katalog04	1	99994532
Release Tool, flat-/round plug (AMP Tyco Superseal)			Katalog08	1	95945376
Release tool, housing (AMP Tyco Superseal Deutsch DT)			Katalog08	1	95945398
Plug Connector Superseal	2		Katalog04	10	50281056
	3		Katalog04	10	50281057
	4		Katalog04	10	50281058
	5				

ELPARTS

There's no such thing as can't.

Our perfect fit, standard-compliant and carefully manufactured Elparts assortment has become an established part of any professional workshop. Expertise meets variety and years of experience in innovation.

And it's clear: Part by part and day by day

Passt immer!



ALL-ROUNDER





Tools

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**» REANIMATOR****For quick starters who want something extra!**

Our Reanimator starting aid devices make starting the vehicle possible, even with a removed or defective battery. The battery in the unit allows the vehicle to be started from its own power.



	Reanimator Surge	Reanimator 1400	Reanimator Compact	Reanimator 2300
Start Aid Device	95980800	95980808	95980801	95980807
Rated Voltage	12 V	12 V	12 V	12 V
Peak Current	800 A	1400 A	1600 A	2300 A
Start Current	400 A	700 A	450 A	900 A
Gauge	with LED-display, load status display	with LED-display, load status display	with LED-display, battery status indicator, load status display	with digital display, battery status indicator, load status display
Cable Length	330 mm	420 mm	450 mm	1590 mm
Cable Cross Section	13 mm ²	20 mm ²	16 mm ²	21 mm ²
Battery	-	LFP Battery (LiFePO4)	AGM-Battery	AGM-Battery
Battery Capacity	-	6 Ah	14 Ah	22 Ah
Weight	2.0 kg	3.1 kg	6.0 kg	10.8 kg
Combi Switch Function	On/Off switch	On/Off switch	-	On/Off switch
Terminal/Clamp	with USB socket	with USB socket	with USB socket	with USB socket
with cigarette lighter socket		■		■
with cigarette lighter plug	■	■		
reverse polarity protection	■	■		■
with integrated work light		■		
with capacitor	■			
Scope of application				
Suitable for				

» REANIMATOR



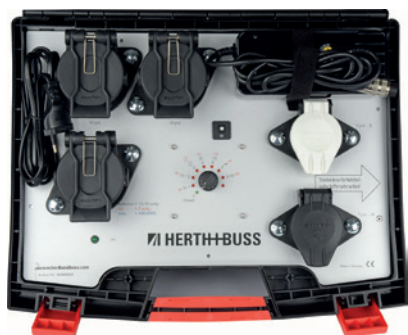
	Reanimator Hybrid	Reanimator 4600	Reanimator Trolley
Start Aid Device	95980802	95980806	95980803
Rated Voltage	12 V	12/24 V	12/24 V
Peak Current	3850 A	4600 A(12 V)/ 1800 A(24 V)	6200 A(12 V)/ 3100 A(24 V)
Start Current	1350 A	2300 A(12 V)/ 900 A(24 V)	2340 A(12 V)/ 1170 A(24 V)
Gauge	with LED-display, battery status indicator, load status display	with digitaler display, load status display	with digital-display, battery status indicator, load status display
Cable Length	800 mm	1590 mm	1700 mm
Cable Cross Section	25 mm ²	21 mm ²	50 mm ²
Battery	AGM-Battery	AGM-Battery	AGM-Battery
Battery Capacity	22 Ah	22 Ah	50 Ah
Weight	11.7 kg	18.0 kg	35.7 kg
Combi Switch Function	On/Off switch	On/Off switch	On/Off switch, selector switch
Terminal/Clamp	-	with USB socket	-
with cigarette lighter socket	■	■	■
with cigarette lighter plug			
reverse polarity protection	■	■	■
with integrated work light			
with capacitor	■		
Scope of application			
Suitable for			



2



Testing Unit, towbar socket



This testing unit simulates a 24-volt towing vehicle. The power supply takes place externally via a supplied 24-volt power pack. The following functions are supplied with

power via a rotary switch: right indicator, rear fog light, left indicator, reverse light, right rear light, left rear light, stop lights and steady plus.

Rated Voltage:	24 V	Registration Type:	CE approved
Number of Poles:	7	Plug Type:	Euro flat plug
	13	Trailer Hitch:	for trailer socket
	15	Cable Length:	3,7 m
DIN/ISO:	1185 N-Typ		
	3731S-Typ		
	12098		

	DU	Article no.
	1	95980658
Content	QU	
Power Supply	1	95980658001
Accessories	see	DU
Coiled Cable	Katalog04	1 51276670
	Katalog04	1 51276671
Coiled Cable EBS	Katalog04	1 51276656
Coiled Cable	Katalog04	1 51276698

Blinker

Testing Unit, towbar socket



This testing unit is used to test 7-, 13- and 15-pin 24 V plugs and sockets.

- wireless testing via radio
- Testing of trailer plugs takes place using an internal rechargeable battery power supply

- assignment plan of the connection contacts as per DIN/ISO
- suitable for CAN BUS
- automatic test operation
- includes remote control

Rated Voltage:	24 V	Battery:	AGM Battery
Battery Capacity:	12 Ah	Required battery:	9V Block
Number of Poles:	7	Gauge:	with battery status indicator
	13		with LED display
	15	Combi Switch Function:	On/Off Switch
DIN/ISO:	12098	Info:	with remote control
	1185 N-Typ		with charger
	3731 S-Typ		with fuse
Plug Type:	Euro flat plug		

Information Transfer	DU	Article no.
Radio	1	95980659
Content	QU	
Power Supply	1	95980659001
Accessories	see	DU
Coiled Cable	Katalog04	1 51276670
	Katalog04	1 51276671
	Katalog04	1 51276698

Blinker

Testing Unit, towbar socket



The indicator enables both the assignment of the trailer socket and the lighting function of the trailer to be checked by just one person. The tester replaces and simulates the towing vehicle or the trailer as desired. The user can have the lighting signals of the vehicle displayed on the remote control or use the remote control to activate all lights on the trailer.

- one-man operation via radio, saving a lot of time
- suitable for CAN Bus Check Control System
- Vehicle and trailer can be tested independently of each other
- automatic switch-off after 5 minutes idle

Rated Voltage:	12 V	Registration Type:	CE approved
Number of Poles:	7	Plug Type:	Euro flat plug
	13	Battery:	AGM Battery
DIN/ISO:	1724	Trailer Hitch:	for trailer socket/trailer connector
	11446		
	72570	Gauge:	with LED display
	72577	Info:	with remote control

Information Transfer	DU	Article no.
Radio	1	95980571
Content	QU	
Power Supply	1	95980571001



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2



CrimPro 35 Crimping Pliers Set



The CrimPro 35 crimping pliers are suitable for a wide range of applications. The tool's precise guidance slot guarantees high-quality results. The pliers are made from high-tensile steel. Parts which are subject to particular stress are specially annealed. The inserts can be changed easily. Thanks to the patented crimping insert fixing, the insert pairs can be easily and accurately interchanged, and an additional guidance slot is provided on the tool. The CrimPro 30 series inserts are compatible but can only be used without a positioner. The CrimPro 35 requi-

res a minimum of effort to operate due to its optimal force transmission characteristics. The crimping pliers set, with its insulation and separation mechanism, serves to process common connectors using the three crimping inserts contained in the set.

- insulated flat plugs and flat connector sleeves
- non-insulated flat plugs and flat connector sleeves
- non-insulated ring cable fittings in line with DIN 46 234

Cross Section: 0,1 to 10 mm²
Plug Type: Blade Terminal
Blade Terminal Sleeve
Ring Connector

Info: for isolated contacts
for unisolated contacts

	Profil	DU	Article no.
		1	95942364



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Squeeze Pliers



Example:



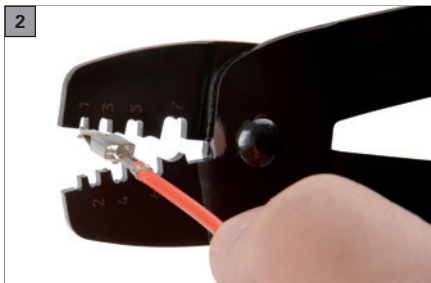
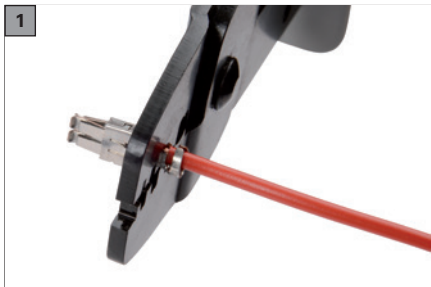
The squeeze pliers are suitable for work on non-insulated cable lugs (DIN 46234, DIN 46230, DIN 46341) with closed crimp sleeves.

The unlockable lock system and ergonomically formed soft hand grips ensure work is comfortable.

Cross Section:	0,1 to 0,35 mm ² 0,5 to 1 mm ² 1,5 to 2,5 mm ² 4 to 6 mm ² 10 bis 16 mm ²	Plug Type:	Ring Connector
		Weight:	470 g
		Crimp Form:	W-shaped
		Info:	for unisolated contacts for indent/notch crimping

Length mm	Profil	DU	Article no.
220		1	95942059

Crimping Pliers



Cross Section:	0,13 to 6 mm ²	Surface:	Burnished
Plug Type:	Round Connector Sleeve Round Plug Blade Terminal Sleeve Blade Terminal	Weight:	200 g
		Info:	for unisolated contacts

Length mm	Profil	DU	Article no.
225		1	90942242



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Squeeze Pliers

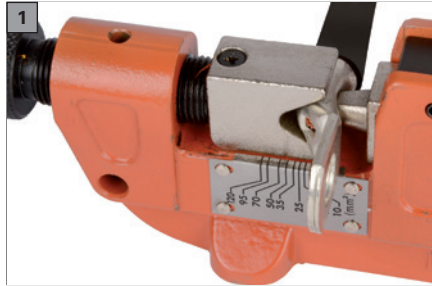


Cross Section: 10 to 120 mm²
DIN/ISO: 46234
Plug Type: Ring Connector
with adjuster
Info: for unisolated contacts
for indent/notch crimping

Example:



	Profil	DU	Article no.
		1	90942413



Stripper

Cable stripper



Both solid and stranded conductors with PVC insulation from 0.03 - 16mm² can be stripped without damage using this high-quality stripping tool. Smart self-adjustment to the cross-sectional areas protects the conductors from damage or splaying. The integrated cutting function (with hand protection) additionally enables solid (up to 6 mm²) and

stranded (up to 16 mm²) lines to be precision-cut. Additional features:

- Stripping blades can be replaced quickly and without tools
- Spare blades can be stored safely in the "Saveline"
- Ergonomic design and damping element for fatigue-free work

Cross Section: 0,03 to 16 mm²
Insulation 3 to 21 mm
stripped length:

Info: with cutting function

Length mm	DU	Article no.
202	1	95942299
Content	Blade form	QU
Blade Set, insulation stripper	straight	1
		95942299001
Accessories	Blade form	see DU
Blade Set, insulation stripper	V-Form	1
	Oval	1
		95942299002
		95942299003



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2



3

Electrics

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Switch Hazard Light Switch	75
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Back-up Alarm




Backup alarm with "white noise" – the new norm This new type of backup alarm represents a step forward for every application:

- Sound through broadband technology

- White noise instead of beeping
- "Shh-Shh" sound
- Reduction in noise pollution
- Better acoustic location

IP-Code: IP 68 Registration Type: E-type checked

Sound Level dB(A)	Rated Voltage V	Connector	DU	Article no.
87	12 24		1	56376200

Ignition-/Starter Switch



Capacity at 12V: 8 A - 35 A
Capacity at 24V: 4 A - 17,5 A
Combi Switch Function: without starter lockout
without immobiliser
Preheating
with park light function

IP-Code: IP 63

Rated Voltage V	Connector type	Fitted Diameter mm	Rest Position	DU	Article no.
12 24	6 x 6,3 mm 4 x 9,5 mm	26,5	P-0-1-2-3	1	70596029
Content				QU	
Key				1	70598047016
Accessories			see	DU	
Plug Housing Plug housing, switch			Katalog04	5	50290400
			Katalog04	10	50290401

Ignition-/Starter Switch



Capacity at 12V: 80 A
Combi Switch Function: Normally Open Contact

Rated Voltage V	Connector type	DU	Article no.
12	2 x 5/16" 2 x 3/16"	1	70469829

**Switch
Hazard Light Switch**



Capacity at 12V: 20 A
 Capacity at 24V: 10 A
 Combi Switch Function: On/Off Switch with hazard light system function
 Mounting Type: Ring Nut

Bulb Type: W2W
 IP-Code: IP 67
 Control Type: Push control with bulb with retaining contacts
 Info: with silver contacts

Plug Type	Rated Voltage V	Connector type	Fitted Diameter mm	DU	Article no.
Blade Terminal	12 24	7 x 6,3 mm	30	1	70490171
Accessories			see	DU	
Bulb W2W			Katalog06	10	89901169
Plug Housing Plug housing, switch			Katalog04	10	50290297
Bulb			Katalog06	10	89901172

Main Switch, battery



■ not switchable under load

Capacity at 24V: 250 A
 IP-Code: IP 66
 Control Type: Turn knob control
 Hole Spacing: 100 mm

Info: with splash protection cover with removable handle

Plug Type	Connector type	Fitted Diameter mm	Temperature range °C	DU	Article no.
Screw Contact	2 x M10	23	-40 to +80	1	70465016
Content				QU	
Key				1	70465018012

Main Switch, battery



Capacity at 24V: 100 A
 500 A
 Control Type: Turn knob control

Hole Spacing: 38 mm with cap
 Info: with removable handle

Plug Type	Connector type	Fitted Diameter mm	Temperature range °C	DU	Article no.
Screw Contact	2 x M10	22,5	-40 to +80	1	70465020
Content				QU	
Key				1	70465020012





Voltage Transformer



- fulfils the legal requirement for reliability thanks to 100 % separate circuits
- compatible with light monitoring units
- ensures correct functioning of the ABS information module
- individual internal protection for each circuit against short circuit and overload
- power reserves when trailer has additional lights
- Restriction: the trailer control light on old, mechanical flasher units does not respond.

Eingangsspannung:	24 V	DIN/ISO:	1185 N-Typ
No. of terminals:	7		1724 N-Typ
Output Voltage:	12 V	Diameter:	75 mm
No. of terminals:	7		
Rated Power:	6 x 70 W		


Efficiency %	Length mm	DU	Article no.
97	185	1	76121156

Voltage Transformer



- C2 monitoring lamp function secured on all flasher units
- matches light control units
- ensures correct functioning of the ABS information module
- encapsulated - water-proof and resistant to vibration
- internal protection against short circuit and overload
- also supplies light diodes

Eingangsspannung:	12 V	Light Function:	with reverse light
Output Voltage:	24 V	WxHxD:	280 x 25 x 75 mm
Rated Power:	7 x 130 W	Info:	for trailer
IP-Code:	IP69K		

Efficiency %	Cable Length m	Connector	DU	Article no.
92	1,00 1,20		1	76121451
Accessories		see	DU	
Control Unit		Katalog13	1	76121450012

3

Voltage Transformer



The ABS converter must be mounted in a suitable location. The converter is water-proof and mounted in the carrier. It must be mounted near the original 24 V ABS trailer socket in order for the cable to reach the box. The carrier must be mounted in a way so that the hinges of the box lid are on top. If the converter is not connected to the trailer, the socket must be inserted into the parking socket in order to prevent contamination. The converter is ready-for-use and has been installed in a stainless steel rack including parking socket. Suitable for installation on

trailers only. Pins 6 and 7 (CAN bus) are unused. The converter can only be used on the trailer side. It will have no effect if used on the towing vehicle.

- high current for additional functions like EBS and level control
- Information module function retained
- active reverse polarity protection without short-circuiting
- Overload protection
- resistant to reverse voltage regardless of polarity

Eingangsspannung:	12 to 24 V	IP-Code:	IP 65
Output Voltage:	24 V	Hole Pitch:	110 mm/ 280 mm
Rated Current:	10 A	DIN/ISO:	7638
Rated Power:	240 W	WxHxD:	300 x 90 x 150 mm
Mounting Type:	mounting		

Efficiency %	Cable Length mm	DU	Article no.
80	400	1	76121353

Voltage Transformer



- high current for additional functions like EBS and level control
- Information module function retained
- active reverse polarity protection without short-circuiting
- Overload protection
- resistant to reverse voltage regardless of polarity

Eingangsspannung: 12 to 24 V **Rated Power:** 240 W
Output Voltage: 24 V **IP-Code:** IP 67
Rated Current: 10 A **WxHxD:** 70 x 40 x 200 mm

Efficiency %	Cable Length mm	DU	Article no.
80	350	1	76121352

Inverto 1000-12Si

Inverter



- protective functions: short-circuit, over-heating, reverse polarity protection, over-voltage, under-voltage
- automatically restarts once short-circuit has been remedied
- inbuilt miniature fan
- acoustic alarm when battery is running low
- Output current form: purely sinusoidal

Input Voltage: 12 V **Registration Type:** CE approved
Output Voltage: 230 V **WxHxD:** 390 x 94 x 193 mm
Rated Current: 83 A **Info:** with remote control
Rated Power: 1000 W with electric safety socket
Connector: with USB socket

Efficiency %	Frequency Range Hz	Cable Length m	DU	Article no.
82	50	1,00	1	76301000

Inverto 1000-24Si

Inverter



- protective functions: short-circuit, over-heating, reverse polarity protection, over-voltage, under-voltage
- automatically restarts once short-circuit has been remedied
- inbuilt miniature fan
- acoustic alarm when battery is running low
- Output current form: purely sinusoidal

Input Voltage: 24 V **Registration Type:** CE approved
Output Voltage: 230 V **WxHxD:** 390 x 94 x 193 mm
Rated Current: 41,5 A **Info:** with remote control
Rated Power: 1000 W with electric safety socket
Connector: with USB socket

Efficiency %	Frequency Range Hz	Cable Length m	DU	Article no.
82	50	1,00	1	76301002





Lighting

Bulb Cabinet	98
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Headlight

WxHxD:
Light Function:

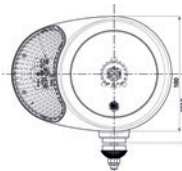
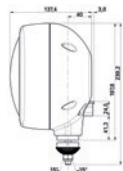
250 x 180 x 137,4 mm
with position light
with low beam
with high beam



81658021



81658022



Fastening Type	Bulb Type	Mounting	Fitting Position	Connector	DU	Article no.
for vertical fastening	H4 PY21W T4W	mounting Deutsch Connector	Left		1	81658021
			Right		1	81658022
Accessories				see	DU	
Plug Housing Set Deutsch DT (TE Connectivity)				Page 32	1	50390498

Headlight

WxHxD:
Bolt Distance:
Light Function:
Info:

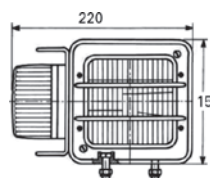
151 x 151 x 120 mm
60 mm
with indicator
with cover



81658043



81658044

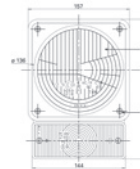
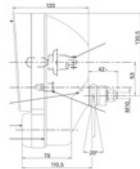


Bulb Type	Voltage V	Mounting	Fitting Position	DU	Article no.		
R2 (Bilux) T4W	12 24	mounting	Left	1	81658043		
			Right	1	81658044		
Content			Bulb Type	Fitting Position	QU		
Indicator			P21W	Left	1	83700160	
				Right	1	83700161	
Accessories			Voltage V	Bulb Type	see	DU	
Plug Housing Set Deutsch DT (TE Connectivity)					Page 32	1	50390498
Bulb R2	12		R2 (Bilux)	Katalog06	1	89901090	
	24			Katalog06	1	89901091	
Bulb T4W	12		T4W	Katalog06	10	89901132	
	24			Katalog06	10	89901133	



Headlight

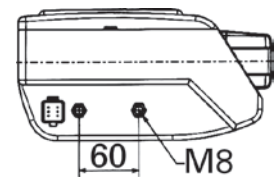
WxHxD: 157 x 214 x 120 mm
Bolt Ø: 10 mm
Light Function: with indicator
with low beam
with high beam
with position light



Bulb Type	Fitting Position	Voltage V	Mounting	DU	Article no.
H4 T4W	Left Right	12 24	mounting universal	1	81658045

Headlight

WxHxD: 252 x 119 x 129,5 mm
Bolt Ø: 8 mm
Bolt Distance: 60 mm
Light Function: with indicator
with low beam
with high beam
with position light



81658046



81658047

Bulb Type	Voltage V	Mounting	IP-Code	Fitting Position	DU	Article no.
H4 T4W	12 24	mounting Deutsch Connector	IP 54	Left	1	81658046
				Right	1	81658047
Content			Bulb Type	Fitting Position	QU	
Indicator			P21W	Left	1	83700160
				Right	1	83700161
Accessories				see	DU	
Plug Housing Set Deutsch DT (TE Connectivity)				Page 32	1	50390498





Headlight

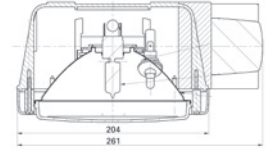
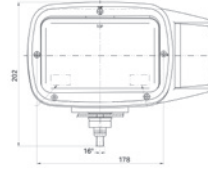
WxHxD: 262 x 152,5 x 120 mm
Bolt Ø: 10 mm
Light Function: with indicator
 with low beam
 with high beam
 with position light



81658048



81658049



Bulb Type	Voltage V	Mounting	IP-Code	Fitting Position	DU	Article no.
H4 T4W	12 24	mounting universal	IP 54	Left	1	81658048
				Right	1	81658049
Content			Bulb Type	Fitting Position	QU	
Indicator			P21W	Left	1	83700160
				Right	1	83700161

Headlight

LED

Diameter: 177 mm
WxD: 97 mm
Temperature range: -40 to +65 °C
Light Function: with low beam (LED)
 with high beam (LED)
 with position light (LED)



Info	Fitting Position	Voltage V	Mounting	Connector	DU	Article no.
without fastening ring without fastening material	Left Right	9 to 36	Fitting		1	81658041



Headlight


LED

Our main headlight with patented snow-melting and de-icing technology is particularly useful for all types of construction machines, snow ploughs and tractors. The holder for securing the headlight to the vehicle can be fitted either at the bottom or at the rear of the headlight. Supplied separately, the indicator can be mounted on three sides of the headlight. At a temperature of -25 °C – and with approx. 5 mm of ice on the lens, the temperature will increase to -18 °C after one minute, to -1 °C after five minutes and finally to 15 °C after ten minutes.

- Heated lens prevents ice and snow on the lamp
- Maximum temperature of 68 °C after approx. one hour
- High vibration resistance

WxD: 80 mm
Width 1/2: 150 / 229 mm
Height 1/2: 150 / 170 mm
ECE norm: R10/R112/R6/R7
Temperature range: -40 to +60 °C
Registration Type: CE approved
 E-type checked
Light Function: with low beam (LED)
 with high beam (LED)
 with indicator (LED)
 with position light (LED)
Bulb Type: LED



Fitting Position	Voltage V	Rated Power W	Mounting	IP-Code	Connector	DU	Article no.
Left and right	12 24 10 to 30	1,5 20 38	mounting Deutsch Connector	IP 68		1	81658500
Accessories			Light Function		see	DU	
Plug Housing Set Deutsch DT (TE Connectivity)					Page 32	1	50390498
Control Unit, lights LED-Adapt			for taillight (LED) for brake light (LED) for rear fog light (LED) for reverse light (LED) for indicator (LED)		Katalog13	1	76121252
			for indicator (LED) for reverse light (LED) for taillight (LED) for rear fog light (LED) for brake light (LED)		Katalog13	1	76121253



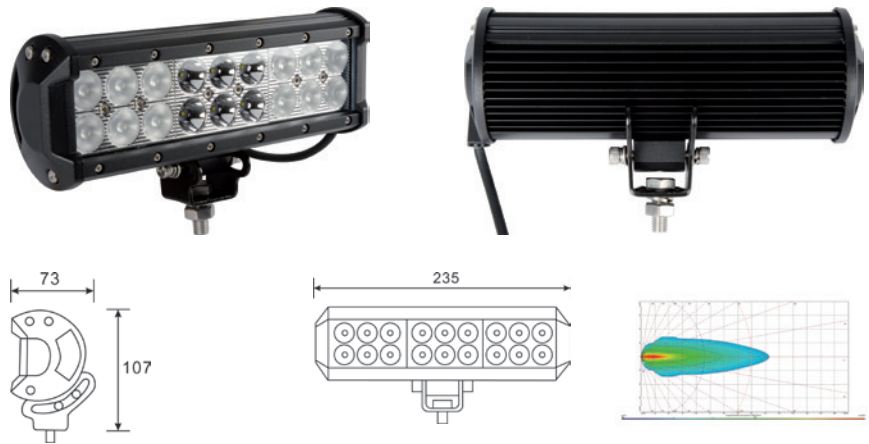


Worklight

LED

The attachment bracket on the housing can be horizontally adjusted.

WxHxD: 235 x 107 x 73 mm
ECE norm: R10
Light Distribution: Off-road Lighting
Info: Electromagnetic Compatibility (EMC)
Fastening Type: Single pivoted lever
Voltage: 10 to 30 V
Rated Power: 44 W
Housing Type: Aluminium Housing

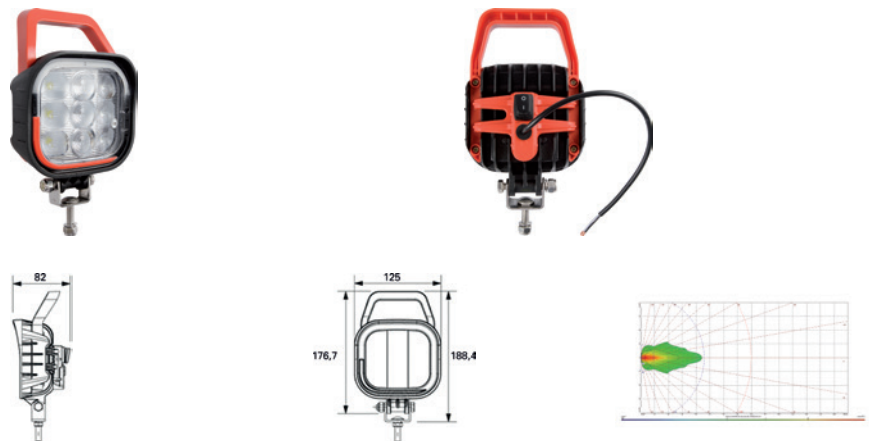


Mounting	LEDs	Lumen lm	IP-Code	Cable Length mm	Connector	DU	Article no.
mounting	18	3200	IP 67	400		1	80690316
Accessories				Cable Length mm	see	DU	
Base, worklight				200	Katalog06	1	80691310
Base, worklight Magnet Base					Katalog06	1	80691000

Worklight

LED

WxHxD: 125 x 188 x 82 mm
ECE norm: R10
Light Distribution: Short distance lighting with switch with handle
Info: Electromagnetic Compatibility (EMC)
Voltage: 36 V
Rated Power: 22 W
Housing Type: Aluminium Housing
Mounting: mounting



LEDs	Lumen lm	Colour Temperature K	IP-Code	Cable Length mm	Connector	DU	Article no.
9	2160	6000	IP 67	280		1	80690322
Accessories				Cable Length mm	see	DU	
Base, worklight				200	Katalog06	1	80691310
Base, worklight Magnet Base					Katalog06	1	80691000



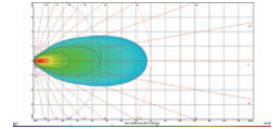
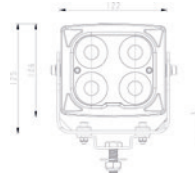
Worklight

LED

Our unique worklight with patented snow-melting and de-icing technology is particularly useful for all types of construction machines, snow ploughs and tractors. At a temperature of -25 °C – and with approx. 5 mm of ice on the lens, the temperature will increase to -18 °C after one minute, to -1 °C after five minutes, to 15 °C after ten minutes and finally to 68 °C after one hour.

- Heated lens prevents ice and snow on the lamp
- High vibration resistance

WxD: 122 x 64,5 mm
Height 1/2: 106 / 143 mm
ECE norm: R10
Temperature range: -40 to +60 °C
Light Short distance lighting
Distribution:
Info: Electromagnetic Compatibility (EMC)
Rated Voltage: 12 V
 24 V
Housing material: Aluminium / Grey Cast Iron
Voltage: 9 to 36 V
Rated Power: 40 W



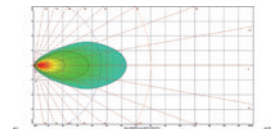
Mounting	LEDs	Lumen lm	Colour Temperature K	IP-Code	Connector	DU	Article no.
mounting Bracket mounting Deutsch Connector	36	5400	6500	IP 68 IP 69K		1	80690329
Accessories					see	DU	
Plug Housing Set Deutsch DT (TE Connectivity)					Page 32	1	50390595
Control Unit, lights LED-Adapt					Katalog13	1	76121253
					Katalog13	1	76121252


Worklight

LED

This headlight comes with properties such as EMC CISPR25 class 5 and integrated load dump as standard to fulfil even the strictest manufacturer specifications.

WxHxD: 101 x 97 x 57 mm
ECE norm: R10
 CISPR25 Claas 5
Temperature range: -40 to +85 °C
Light Short distance lighting
Distribution:
Info: with accessories Electromagnetic Compatibility (EMC) with thermal management module
Rated Voltage: 12 V
 24 V
Housing material: Aluminium
Fastening Type: Single pivoted lever
Voltage: 12 to 24 V



Rated Power W	Mounting	Lumen lm	Colour Temperature K	IP-Code	Connector	DU	Article no.
29	mounting Deutsch Connector	2000	6000	IP 68 IP 6K9K		1	80690339
Accessories					see	DU	
Plug Housing Set Deutsch DT (TE Connectivity)					Page 32	1	50390595



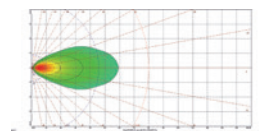


Worklight

LED

This headlight comes with properties such as EMC CISPR25 class 5 and integrated load dump as standard to fulfil even the strictest manufacturer specifications.

Diameter: 91 mm
WxHxD: 129 x 77 mm
ECE norm: R10
 CISPR25 Claas 5
Temperature range: -40 to +85 °C
Light Distribution: Short distance lighting
Info: with accessories
 Electromagnetic Compatibility (EMC) with thermal management module
Rated Voltage: 12 V
 24 V
Housing material: Aluminium
 Plastic
Fastening Type: Single pivoted lever
Voltage: 12 to 24 V



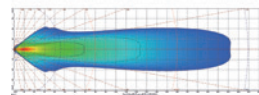
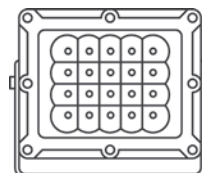
Rated Power W	Mounting	Lumen lm	Colour Temperature K	IP-Code	Connector	DU	Article no.
20	mounting Deutsch Connector	1500	6000	IP 68 IP 6K9K		1	80690338
Accessories						see	DU
Plug Housing Set Deutsch DT (TE Connectivity)						Page 32	1 50390595

Worklight

LED

The worklight is particularly suitable for use in harsh conditions in the construction or agricultural sector. With over 6000 lm and 100 W, it fulfils the highest requirements on quality and lighting. With a stainless steel bracket mounting and the aluminium housing, it is suitable for a wide range of application areas and can be used during the day or night.

WxD: 160 x 108 mm
Height 1/2: 130 / 167 mm
ECE norm: R10
Temperature range: -40 to 65 °C
Light Distribution: Long-range illumination
Distribution:
Rated Voltage: 12 V
 24 V
Housing material: Aluminium / Grey Cast Iron
Voltage: 12 to 48 V
Rated Power: 100 W



Mounting	LEDs	Lumen lm	Colour Temperature K	IP-Code	Connector	DU	Article no.
Bracket mounting mounting open end	20	6800	6500	IP 67		1	80690333
Accessories						see	DU
Control Unit, lights LED-Adapt						Katalog13	1 76121252
Plug Housing Set Deutsch DT (TE Connectivity)						Page 32	1 50390595

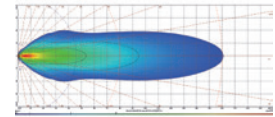
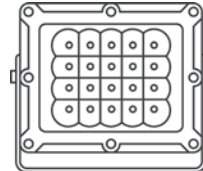



Worklight

LED

The worklight is particularly suitable for use in harsh conditions in the construction or agricultural sector. With over 6000 lm and 100 W, it fulfils the highest requirements on quality and lighting. With a stainless steel bracket mounting and the aluminium housing, it is suitable for a wide range of application areas and can be used during the day or night.

WxD: 160 x 108 mm
Height 1/2: 130 / 167 mm
ECE norm: R 10
Temperature range: -40 to 65 °C
Light Distribution: Short distance lighting
Rated Voltage: 12 V
 24 V
Housing material: Aluminium / Grey Cast Iron
Voltage: 12 to 48 V
Rated Power: 100 W



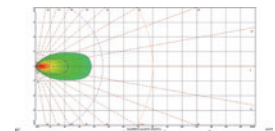
Mounting	LEDs	Lumen lm	Colour Temperature K	IP-Code	Connector	DU	Article no.
mounting Bracket mounting open end	20	6600	6500	IP 67		1	80690334
Accessories					see	DU	
Control Unit, lights LED-Adapt					Katalog13	1	76121252
					Katalog13	1	76121253
Plug Housing Set Deutsch DT (TE Connectivity)					Page 32	1	50390595


Worklight

LED

These worklights are characterised by their high quality and are suitable for universal use. Thanks to their compact design, they can be used in suboptimal areas and provide the necessary lighting to suit your requirements. They offer the right quality, as well as the right price/performance ratio.

WxD: 75 x 31 mm
Height 1/2: 75 / 103 mm
ECE norm: R10
Temperature range: -40 to 65 °C
Light Distribution: Short distance lighting
Rated Voltage: 12 V
 24 V
Housing material: Aluminium
Voltage: 12 to 36 V
Rated Power: 25 W
Mounting: mounting
 open end



LEDs	Lumen lm	Colour Temperature K	IP-Code	Cable Length mm	Connector	DU	Article no.
5	1300	6000	IP 69K	200		1	80690335
Accessories					see	DU	
Plug Housing Set Deutsch DT (TE Connectivity)					Page 32	1	50390595
Base, worklight					Katalog06	1	80691310
Base, worklight Magnet Base					Katalog06	1	80691000



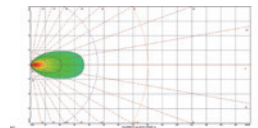
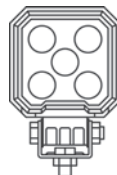



Worklight

LED

These worklights are characterised by their high quality and are suitable for universal use. Thanks to their compact design, they can be used in suboptimal areas and provide the necessary lighting to suit your requirements. They offer the right quality, as well as the right price/performance ratio.

WxD: 75 x 37 mm
Height 1/2: 75 / 100 mm
ECE norm: R10
Temperature range: -40 to 65 °C
Light Distribution: Short distance lighting
Rated Voltage: 12 V
 24 V
Housing material: Aluminium
Voltage: 12 to 36 V
Rated Power: 25 W
Mounting: mounting
 open end



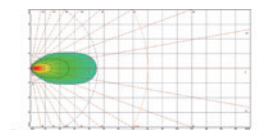
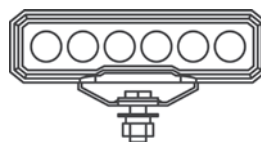
LEDs	Lumen lm	Colour Temperature K	IP-Code	Cable Length mm	Connector	DU	Article no.
5	1300	6000	IP 69K	200		1	80690336
Accessories					see	DU	
Base, worklight Magnet Base					Katalog06	1	80691000
Plug Housing Set Deutsch DT (TE Connectivity)					Page 32	1	50390595
Base, worklight					Katalog06	1	80691310


Worklight

LED

These worklights are characterised by their high quality and are suitable for universal use. Thanks to their compact design, they can be used in suboptimal areas and provide the necessary lighting to suit your requirements. They offer the right quality, as well as the right price/performance ratio.

WxD: 160 x 38 mm
Height 1/2: 45 / 65 mm
ECE norm: R10
Temperature range: -40 to 65 °C
Light Distribution: Short distance lighting
Rated Voltage: 12 V
 24 V
Housing material: Aluminium
Voltage: 12 to 24 V
Rated Power: 30 W
Mounting: mounting
 open end



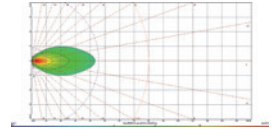
LEDs	Lumen lm	Colour Temperature K	IP-Code	Cable Length mm	Connector	DU	Article no.
6	1750	6000	IP 69K	200		1	80690337
Accessories					see	DU	
Base, worklight					Katalog06	1	80691310
Base, worklight Magnet Base					Katalog06	1	80691000
Plug Housing Set Deutsch DT (TE Connectivity)					Page 32	1	50390595




Worklight

LED

WxD: 114 x 32 mm
Height 1/2: 114 / 146 mm
ECE norm: R10
 R23
Light Distribution: Short distance lighting
Info: with accessories
 Electromagnetic
 Compatibility (EMC)
Rated Voltage: 12 V
 24 V
Housing material: Plastic
Fastening Type: Single pivoted lever
Voltage: 12 to 36 V
Rated Power: 13 W

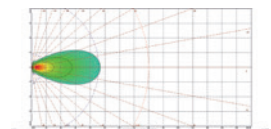



Mounting	LEDs	Lumen lm	Colour Temperature K	IP-Code	Connector	DU	Article no.
mounting Deutsch Connector	13	1200	6000	IP 68		1	80690331
Accessories				Cable Length mm	see	DU	
Base, worklight				200	Katalog06	1	80691310
Plug Housing Set Deutsch DT (TE Connectivity)					Page 32	1	50390595
					Katalog04	1	50390600
Base, worklight Magnet Base					Katalog06	1	80691000

Worklight

LED

Diameter: 122 mm
WxD: 26 mm
Height 1/2: 122 / 150 mm
ECE norm: R10
 R23
Light Distribution: Short distance lighting
Info: with accessories
 Electromagnetic
 Compatibility (EMC)
Rated Voltage: 12 V
 24 V
Housing material: Plastic
Fastening Type: Single pivoted lever
Voltage: 12 to 36 V
Rated Power: 14 W



Mounting	LEDs	Lumen lm	Colour Temperature K	IP-Code	Connector	DU	Article no.
mounting Deutsch Connector	14	1250	6000	IP 68		1	80690332
Accessories				Cable Length mm	see	DU	
Base, worklight				200	Katalog06	1	80691310
Plug Housing Set Deutsch DT (TE Connectivity)					Page 32	1	50390595
					Katalog04	1	50390600
Base, worklight Magnet Base					Katalog06	1	80691000





ATLAS


Rotating Beacon



The ATLAS LED rotating beacon fulfils all high manufacturer specification demands. Particular focus was placed on the thermic management of the LEDs to guarantee a long

service life and optimal operation in the most extreme situations. These lights are also certified according to the EMC standard CISPR25 class 5.

Diameter: 140 mm
WxHxD: 82 x mm
Registration Type: E-type checked with accessories
Info:

Fastening Type	Voltage V	Mounting Type	IP-Code	Connector	DU	Article no.
Three-point mounting	9 to 32	mounting	IP 6K9K	 NEW	1	84770007

ATLAS


Rotating Beacon



The ATLAS LED rotating beacon fulfils all high manufacturer specification demands. Particular focus was placed on the thermic management of the LEDs to guarantee a long

service life and optimal operation in the most extreme situations. These lights are also certified according to the EMC standard CISPR25 class 5.

Diameter: 140 mm
WxHxD: 142 x mm
Registration Type: E-type checked with accessories
Info:

Voltage V	Mounting Type	IP-Code	Connector	DU	Article no.
9 to 32	Flexible pipe sockets	IP 6K9K	 NEW	1	84770008
Accessories			see	DU	
Holder, rotating beacon			Katalog06	1	84771021
			Katalog06	1	84771022
			Katalog06	1	84771024
			Katalog06	1	84771615

ATLAS


Rotating Beacon



The ATLAS LED rotating beacon fulfils all high manufacturer specification demands. Particular focus was placed on the thermic management of the LEDs to guarantee a long

service life and optimal operation in the most extreme situations. These lights are also certified according to the EMC standard CISPR25 class 5.

Diameter: 140 mm
WxHxD: 94 x mm
Registration Type: E-type checked
Info: with accessories with cigarette lighter plug

Fastening Type	Voltage V	Mounting Type	IP-Code	Cable Length mm	Connector	DU	Article no.
Suction cup fastening	9 to 32	Magnet Mount	IP 6K9K	2500	 NEW	1	84770009



Strobe-type Beacon


LED



Portable and rechargeable strobe-type beacon, equipped with both a magnetic and a vacuum attachment. The design is rounded

off with a battery level / charging level indicator and can be used for a wide range of applications!

WxHxD:	140 x mm	Fastening Type:	Suction cup fastening
Housing Diameter:	128 mm	Voltage:	12 to 24 V
Permissible maximum speed:	120 km/h	Power Consumption:	8,1
ECE norm:	R65		36
	R10		40 W
Temperature range:	-30 to 50 °C		
Material:	PC (Polycarbonate)		
Info:	Elastomer with charger		
	Electromagnetic Compatibility (EMC)		
	with cigarette lighter plug		

Version	Mounting Type	LEDs	IP-Code	Cable Length mm	Connector	DU	Article no.
Single flash Double flash Rotating mode	Magnetic	12	IP 65	4000		1	84770100


Strobe-type Beacon

LED

Flash Pattern = 10

WxHxD:	120 x 32 x 14,4 mm
ECE norm:	R10 R65
Info:	with seal with bolts/screws
Fitting Position:	Left and right



Voltage V	Housing Type	Mounting Type	LEDs	IP-Code	Connector	DU	Article no.
10 to 30	Aluminium Housing	Bolted	6	IP 67		1	84770620


Strobe-type Beacon

LED

Flash Pattern = 29

WxHxD:	120,6 x 32,2 x 14,3 mm
ECE norm:	R10 R65
Info:	with seal with bolts/screws
Fitting Position:	Left and right



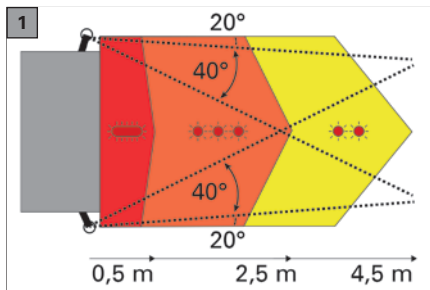
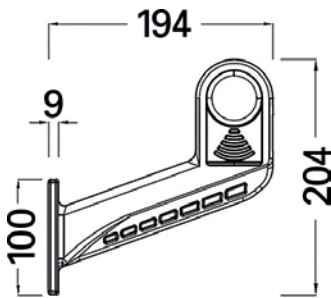
Voltage V	Housing Type	Mounting Type	LEDs	IP-Code	Connector	DU	Article no.
10 to 30	Aluminium Housing	Bolted	6	IP 67		1	84770621





BDS-2 Reversing Aid

WxHxD: 194 x 204 x mm
Info: with sensor



The LED clearance light BDS-2 with optical reversing sensor offers crucial safety and cost benefits. On reversing, the sensor detects obstacles as far as away as 4.5 m. Three different flash frequencies provide a reliable indication of the decreasing distance from the obstacle.

- suitable for use in a variety of areas (truck & trailer, agriculture etc.)

- warning signal is visible via the side mirrors
- independent system
- easy mounting
- prevention of injuries and accidents
- prevention of damage to the loading ramps, towing vehicle, trailer or other objects

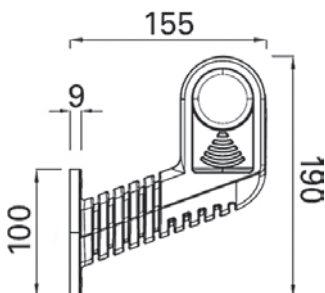
Fitting Position	LEDs	Cable Length mm	DU	Article no.
Left Right	8	190	1	82710490
Content	Voltage V	Bulb Type	Fitting Position	QU
Reversing Aid BDS-2	24	LED	Left	1
	12		Right	1



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BDS-2 short Reversing Aid

WxHxD: 155 x 190 x mm
Info: with sensor



The LED clearance light BDS-2 with optical reversing sensor offers crucial safety and cost benefits. On reversing, the sensor detects obstacles as far as away as 4.5 m. Three different flash frequencies provide a reliable indication of the decreasing distance from the obstacle.

- suitable for use in a variety of areas (truck & trailer, agriculture etc.)

- warning signal is visible via the side mirrors
- independent system
- easy mounting
- prevention of injuries and accidents
- prevention of damage to the loading ramps, towing vehicle, trailer or other objects

Fitting Position	Version	LEDs	Cable Length mm	DU	Article no.
Left Right	short	8	190	1	82710470
Content	Voltage V	Bulb Type	Fitting Position	QU	
Reversing Aid BDS-2 short	12 to 24	LED	Left	1	82710470001
			Right	1	82710470002



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Combination Rearlight Set

LED

Bolt Distance: 152 mm
IP-Code: IP 67
Fitting Position: Left
Right
Light Function: with brake light (LED)
with taillight (LED)
with indicator (LED)
with rear fog light (LED)
with number plate lamp (side)
with number plate light (LED)
with reverse light (LED)
with reflex reflector (triangular)



An LED multifunctional light with integrated control unit for all light functions. The built-in LED control unit resolves the compatibility problem when converting bulb combination rearlights to LED combination rearlights. We

are thus offering a new plug-and-play solution that saves a work step. A pre-assembled 2-pole cable (5 metres), for the products listed in the accessories, is included in the scope of delivery.

Number of Poles	Cable Length m	Mounting	Voltage V	DU	Article no.
2 8 13	5 7	mounting Bajonett	12	1	83830003
Accessories	Voltage V	Connector type	Bulb Type	see	DU
Cable Connector	12	DC (Double Click)		Katalog06	1 50390413
Cable End Bush		Aspöck P&R		Katalog06	10 50390435
Cap				Katalog06	10 50390433
Marker Light	12 24	click-in		Katalog06	1 82710393
				Katalog06	1 82710394
				Katalog06	1 82710395
Licence Plate Light Regpoint	24	Aspöck P&R	C5W	Katalog06	1 84750049
Outline Lamp SAT 130	12 24	click-in		Katalog06	1 82710327
				Katalog06	1 82710330
Side Marker Light SAT 130	12			Katalog04	1 51305470
				Katalog04	1 51305471
				Katalog04	1 51305472
				Katalog04	1 51305474
Socket Adapter				Katalog08	1 95942901

Combination Rearlight Set

3 Chamber Light

Light Function: with reflex reflector (triangular)
with number plate lamp (bottom)



Number of Poles	Cable Length m	Length mm	Voltage V	DU	Article no.
7	6	1100 to 2100	12	1	83830199
Content	Light Function	Connector type	Bulb Type	QU	
Combination Rearlight	with indicator with stop light with taillight with number plate light without number plate light	universal	P21W P21/5W	1	83830182
Accessories		Voltage V	see	DU	
Socket Adapter		12	Katalog04	1	51305470
			Katalog04	1	51305472





Combination Rearlight

LED

WxD: 31,5 mm
Diameter: 140 mm
Registration Type: E-type checked
Bolt Ø: 6 mm
Bolt Distance: 45 mm
IP-Code: IP 67



83840190



83840191

Fitting Position	Moun-ting	Cable Length mm	Volt-age V	Light Function	Connector	DU	Article no.
Left Right	moun-ting Bolted open end	500	24	with indicator (LED) with brake light (LED) with taillight (LED)		1	83840190
				with rear fog light (LED) with reverse light (LED)		1	83840191
Accessories				Rated Voltage V	see	DU	
Control Unit, lights				24	Katalog13	1	75614193
Control Unit, lights LED-Adapt				12	Katalog13	1	76121252



Reflex Reflector

Outer Ø: 60 mm
Bolt Hole Circle Ø: 6 mm
Number of Holes: 1
Info: with centre hole with adhesive film



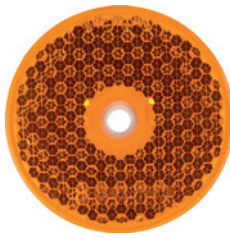
78623073



78623074



78623075



Material	Fitting Position	Housing	Colour	DU	Article no.
Plastic	mounting	○	●	20	78623073
		○	●	20	78623074
		○	○	20	78623075

Reflex Reflector

Outer Ø: 90 mm
Bolt Ø: 5 mm
Info: with bolts



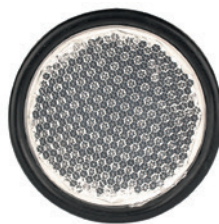
78623018



78623019



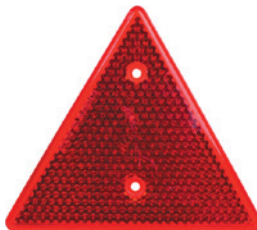
78623016



Material	Fitting Position	Housing	Colour	DU	Article no.
Plastic	mounting	●	○	5	78623018
		●	●	10	78623019
		●	●	20	78623016

Reflex Reflector

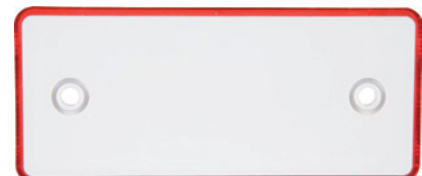
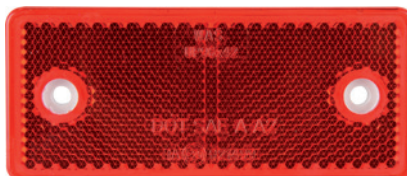
WxH: 160 x 140 mm
Hole Spacing: 70 mm
Bolt Hole Circle Ø: 5 mm
Number of Holes: 2



Material	Fitting Position	Colour	DU	Article no.
Plastic	mounting	●	20	78623110

Reflex Reflector

WxH: 94 x 44 mm
Hole Spacing: 70 mm
Bolt Hole Circle Ø: 4,3 mm
Number of Holes: 2



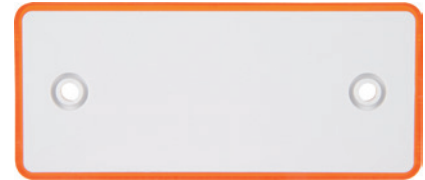
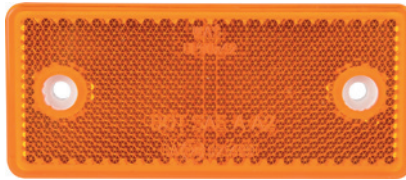
Info	Material	Fitting Position	Colour	DU	Article no.
without adhesive film	Plastic	mounting	●	20	78623036





Reflex Reflector

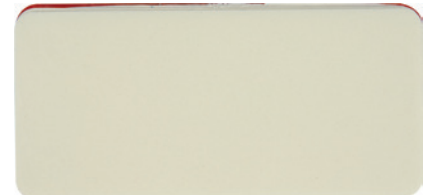
WxH: 94 x 44 mm
Hole Spacing: 70 mm
Bolt Hole Circle Ø: 4,3 mm
Number of Holes: 2



Info	Material	Fitting Position	Colour	DU	Article no.
without adhesive film	Plastic	mounting	●	20	78623038

Reflex Reflector

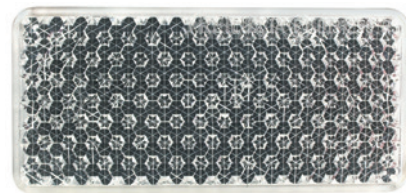
WxH: 94 x 44 mm



Info	Material	Fitting Position	Colour	DU	Article no.
with adhesive film	Plastic	mounting	●	20	78623135

Reflex Reflector

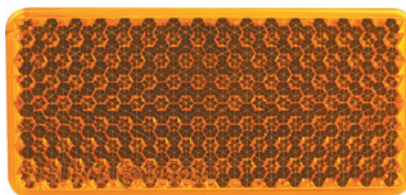
WxH: 94 x 44 mm



Info	Material	Fitting Position	Colour	DU	Article no.
with adhesive film	Plastic	mounting	○	10	78623136

Reflex Reflector

WxH: 94 x 44 mm



Info	Material	Fitting Position	Colour	DU	Article no.
with adhesive film	Plastic	mounting	●	20	78623139



Reflex Reflector

WxH:
Bolt Ø:
Bolt Distance:

170 x 151 mm
5 mm
70 mm



Info	Material	Fitting Position	Colour	DU	Article no.
with bolts	Plastic	mounting	●	10	78623104





Bulb Cabinet



The cabinet offers a robust and practical way to present our lamps accordingly and store them ready for sale. The drawer with the flexibly pluggable inlays helps to sort all

smaller lamp types from miniature bulbs to P21W lamps, for example. This makes the bulb cabinet ideal for all smaller workshops and shops.

WxHxD: 425 x 595 x 175 mm **Material:** Metal

Number of Parts	Colour	DU	Article no.
5		1	89900001



Bulbs Assortment

Voltage: 12 V



			Quantity	DU	Article no.
			220	1	89900012
Content	Socket Type	Rated Power W	QU		
Bulb H4	P43t	60/55	10		89901100
Bulb H7	PX26d	55	20		89901202
			10		89901295
Bulb H1	P14,5s		10		89901092
Bulb H3	PK22s		10		89901094
Bulb R5W	BA15s	5	20		89901140
Bulb R10W			10		89901141
Bulb P21W			20		89901102
Bulb P21/5W	BAY15d	21/5	20		89901103
Bulb PY21W	BAU15s	21	10		89901190
Bulb C5W	SV8,5-8	5	10		89901150
Bulb W5W			20		89901175
Bulb T5	W2,1x9,5d	1,2	20		89901170
Bulb T4W	BA9s	4	20		89901132

Bulbs Assortment

Voltage:

24 V



			Quantity	DU	Article no.
			236	1	89900024
Content	Socket Type	Rated Power W	QU		
Bulb H4	P43t	75/70	10	89901101	
			6	89901098	
Bulb H7	PX26d	70	20	89901207	
			10	89901054	
Bulb H1	P14,5s	70	10	89901093	
Bulb H3	PK22s		10	89901095	
Bulb R5W	BA15s	5	10	89901142	
Bulb R10W			10	89901108	
			20	89901143	
Bulb P21W	BAU15s	21	10	89901109	
			20	89901105	
Bulb PY21W	BAU15s	20	89901147		
Bulb T5	W2x4,6d	1,2	20	89901191	
Bulb W5W	W2,1x9,5d	5	20	89901171	
Bulb T4W	BA9s	4	30	89901177	
			10	89901133	
			10	89901134	



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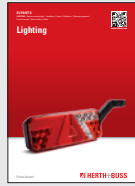


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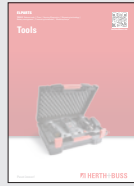
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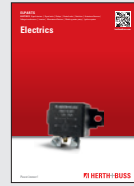
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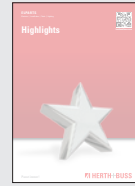
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