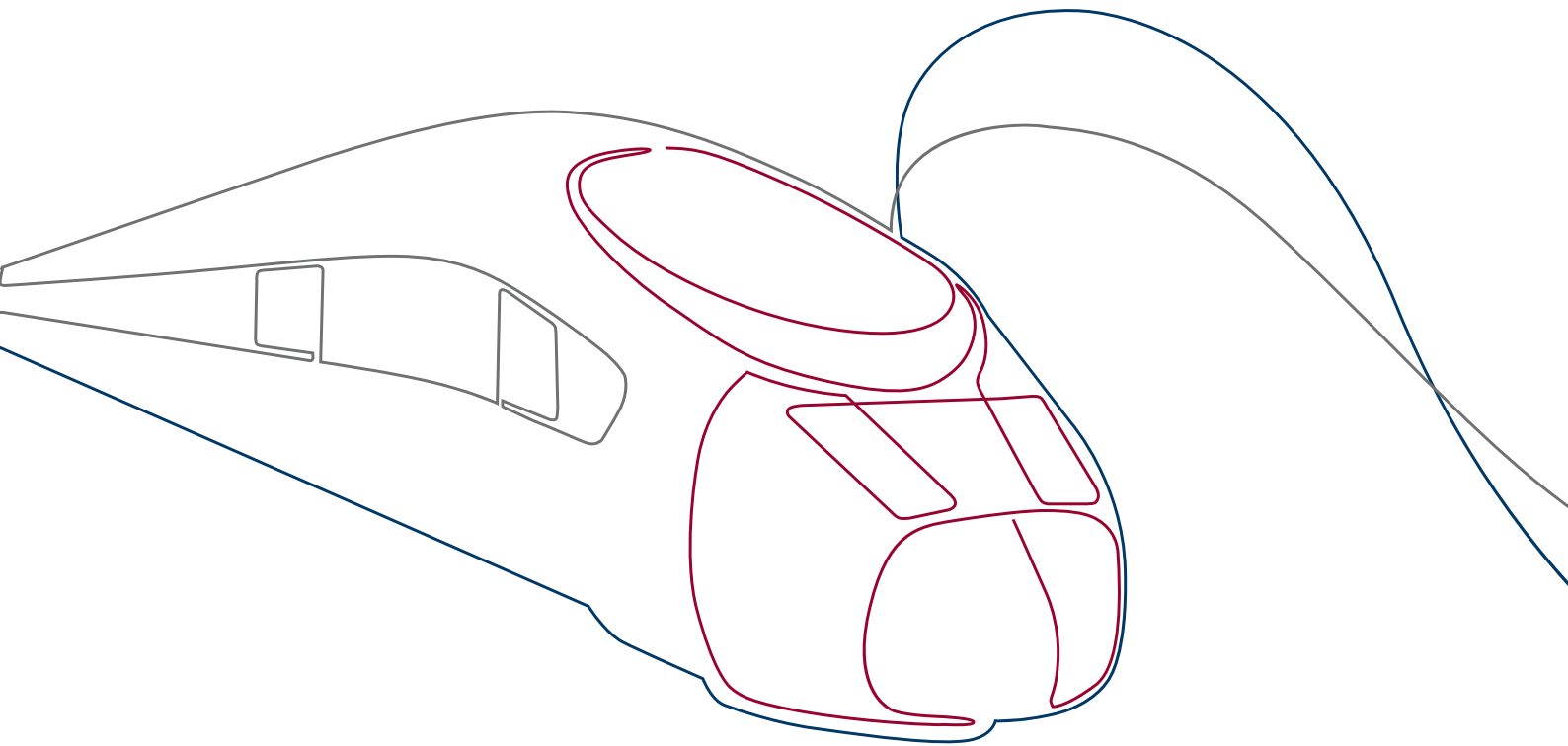


PRODUCTS ACCORDING TO UIC 558 VE



CONNECTORS ACCORDING TO UIC 558 VE



PRODUCT INFORMATION

The connector is used in international transport for vehicles, including locomotives, and connects lines for remote switching, remote control and public address. Installation guarantees a non-destructive disconnection of plug and socket in the case of separation of two vehicles that have not been electrically decoupled. The connection corresponds to the regulations subject to UIC 558 VE (until 1994: UIC 568 VE).

APPLICATION AREAS

- For remote control and information lines
- For remote switching of lighting, control of doors, transmission of acoustic information and binary data
- The socket and the plug can be equipped on request with special contact inserts according to the customer's requirements
- For refurbishments of rail vehicles
- For use as spare parts

FUNCTION

- Standard versions: 13-pole and 18-pole plug connections. The 18-pole socket is compatible with the 13-pole plug
- A coding option is provided
- Current transmission of up to 10 A
- Protection against dust and water according to protective class IP54
- Protection against unintended decoupling

Quality standards: We deliver this product according to our tested and certified quality standards.



ISO/TS 16949 incl. ISO 9001
Quality management standard of the automotive industry, all locations are certified



DIN EN 15085 CL1
International welding permit for rail vehicles

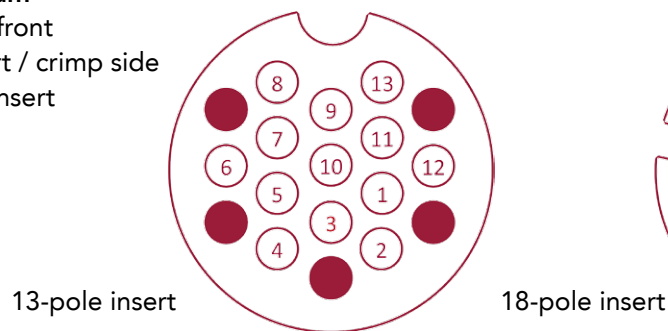


IRIS
Quality management standard of the railway industry

TECHNICAL DATA

Pole arrangement and connection diagram

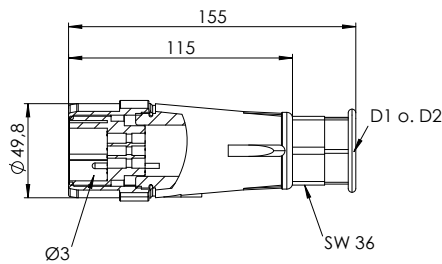
Looking from the front at the socket insert / crimp side of the connector insert



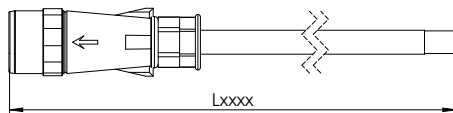
SPECIFICATION	DESCRIPTION	VALUES AND DATA
Standards	UIC 558 VE Protective type (EN 60529)	IP54 when not connected
Connection type	Number of poles Cable cross section Connection to socket contact Connection to pin contact	13-pole / 18-pole 0.75 ... 1.00 mm ² crimp crimp
Electrical data	Rated voltage Rated current Volume resistance Insulation resistance	25 V 10 A ≤ 2 mΩ > 3 GΩ
Mechanical data	Contact diameter Mechanical service life	3 mm > 10,000 plug cycles
Application conditions	Temperature range	-40 °C ... +90 °C
Materials	Plug housing Receptacle housing Contact insert Seals in the housing Contacts	thermoplastic, glass-fibre reinforced cast aluminium thermoplastic, glass-fibre reinforced elastomers copper alloy, coated
Weights	Plug (without cable) Receptacle housing	ca. 200 g ca. 650 g

PLUG, CONNECTION CABLE

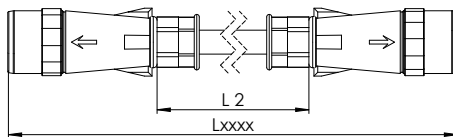
Plug: UIC 558 - S



Connection cable: UIC 558 - AS - Lxxxx



Connection cable: UIC 558 - VS - Lxxxx



Product information

Our connectors are equipped with high-grade components for signal and energy transmission. This product for remote control and information lines will thus fulfil high functional and safety requirements for a long time.



Red colour markings in the 18-pole version

Order code / article no.:

Model	UIC 558	
Type	S	plug (without cable)
	AS	connection cable with 1 plug
	VS	connection cable with 2 plugs
Cable length	Lxxxx	cable length in mm Other lengths on request
Contacts	P13	13 pins / poles
	P18	18 pins / poles
		Other inserts on request
Kink protection	D1	for cable diameter 12.5 to 15.5 mm
	D2	for cable diameter 16.5 to 18.5 mm

Product designation

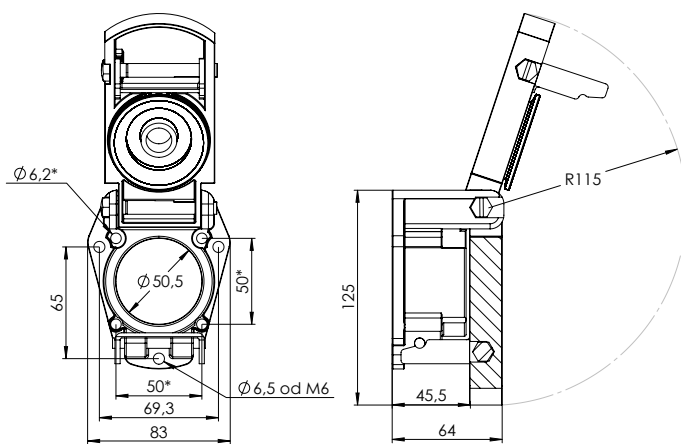
Product designation	Article no.
UIC 558 - S - 18P - D2	070580
UIC 558 - AS - L3100 - 18P - D2	072525
UIC 558 - AS - L5000 - 18P - D2	070626

Example: 070626 is a plug with connection cable and a total length of 5 m.

INSTALLATION: The contact insert is coded according to the number of poles. The 18-pole socket is compatible with the 13-pole plug.

COUPLING BOX, DUMMY & EMPTY RECEPTACLE

Receptacle: UIC 558 - KDO
(identical to KDK, BDO, LDO)



* Installation option with alternative hole pattern

Product information

With its robust construction our socket housing is highly resistant to chemical influences. This means that it is suitable for long-term use in rough conditions.



Red colour marking on the cap in the 18-pole version.

Order code / article no.:

Model	UIC 558	
Type	KDO	receptacle with insert and sockets
	KDK	receptacle with insert, sockets and cables
	BDO	dummy receptacle with insert but without contacts
	LDO	empty receptacle without insert, without sockets
Cable length (for KDK)	Lxxxx	cable length [mm] Other lengths on request
Contacts	P13	13 pins and cable screw connection
	P18	18 pins and screw connection
Colour option	28	anthracite grey, RAL 7016
	29	black grey, RAL 7021
	62	traffic red, RAL 3020
		Other colours on request

Product designation

Article no.

UIC 558 - KDO - 18P - 62	046085 - 62
UIC 558 - KDK - L3000 - P18 - 28	072526 - 28
UIC 558 - KDK - L3000 - P18 - 29	072523 - 29
UIC 558 - BDO - P18 - 29	072522 - 29

Example: 072526 - 28 is an 18-pole, anthracite grey receptacle with a 3-m connection cable.

INSTALLATION: The emergency unlocking device guarantees non-destructive disconnection of plug and socket. To ensure this function, the socket is mounted vertically at the ends of the vehicles with the cap opening upwards. It can be mounted with 3 or 4 bolts (see above).



MORE BENEFITS FOR YOU:

- Strict adherence to delivery dates
- Consistently high quality worldwide
- All-round service worldwide
- Many years of expertise for your product
- International positioning
- Engineering service on site – from prototype to after-sales
- Just-in-time delivery
- Original manufacturer
- A team only for you



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