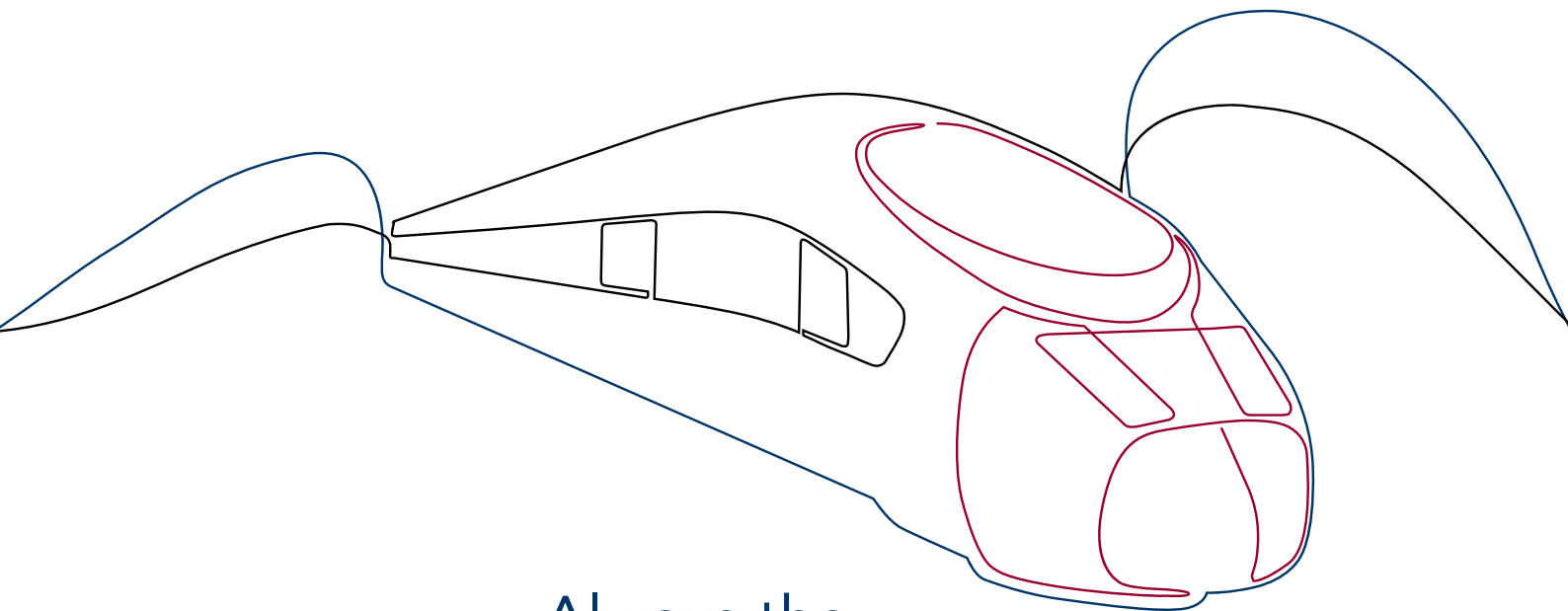


UIC 552 M0 SERIES



Always the
right connection



Quality Standard: All products are subject to an extensive quality test in the final inspection phase. Of course, we are certified according to current industry-specific standards.

UIC 552 M0 SERIES CONNECTORS



PRODUCT INFO

UIC 552 connectors are needed for all vehicles used in international transport, including traction units equipped with a train line.

In order to achieve this technically, appropriate connectors are needed between the traction unit and all the other rail vehicles. The connector complies with UIC 552 requirements.

AREA OF APPLICATION

- In short and long distance trains. For electrical connections according to UIC 552
- Refitting of train line
- Refurbishments of rail vehicles
- Used whenever spare parts are needed
- Compatible with all systems on the market according to UIC 552

FUNCTION

- Power transmission of 800 A at -10°C with a nominal voltage of 3kV AC/DC
- Protection against dust and humidity according to safety class IP54
- Protection against unintentional uncoupling
- Very robust under mechanical load

UIC 552 M0 SERIES TECHNICAL DATA

SPECIFICATION	DESCRIPTION	VALUES & DATA
Standards	UIC 552 Protection type (EN 60529)	IP54: when coupled or receptacle closed
Type of connection	Number of poles Connection cross-section Connection to female contact Connection to male contact	1 185 mm ² M16 bolt Crimp
Electrical characteristics	Rated voltage Rated current	3 kV AC / DC 800 A at -10° C
Mechanical characteristics	Insertion force Pull-out force	>200 N >100 N
Operating conditions	Temperature range	-30°C ... +85°C
Materials	Housing of connector Housing of receptacle Connector head Contact insert Seals Contacts	Cast aluminium Cast aluminium BMC BMC Chloroprene, EPDM Copper alloy
Weights	Plug (without cable) Receptacle without lock and pilot contact Lock for receptacle/ dummy receptacle Pilot contact Cable junction box	approx. 1.7 kg approx. 12.0 kg approx. 0.4 kg approx. 0.4 kg approx. 7.2 kg

UIC 552 M0 SERIES PLUG (S), CONNECTOR CABLE (AS) & JUMPER CABLE (VS)



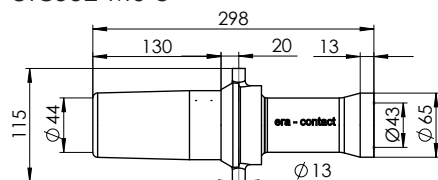
Connector cable with plug UIC 552 M0: Deep Black, RAL 9005

Product info

Our plugs are equipped with high-grade components for power transmission at up to 800A. This product for the train line complies permanently with high functional and safety requirements.

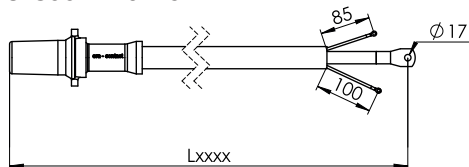
Plug without cable:

UIC552-M0-S



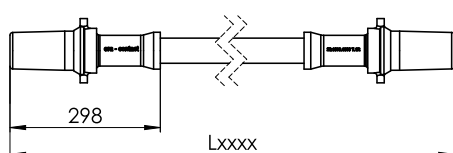
Connector cable with plug:

UIC552-M0-AS-Lxxxx



Jumper cable with 2 plugs:

UIC552-M0-VS-Lxxxx



CABLE LENGTH L

< 2,000 mm	+ 20 mm
≥ 2,000 mm, < 5,000 mm	+ 30 mm
≥ 5,000 mm, < 10,000 mm	+ 40 mm
≥ 10,000 mm	+ 50 mm

TOLERANCE

Standard lengths

DESCRIPTION

TOTAL LENGTH (Lxxxx)

UIC552-M0-AS-L1814	1,814 mm (standard)
UIC552-M0-AS-L1964	1,964 mm (standard)
UIC552-M0-AS-L2020	2,020 mm (standard)

(Other lengths on request)

Standard lengths

DESCRIPTION

TOTAL LENGTH (Lxxxx)

UIC552-M0-VS-L1721	1,721 mm (standard)
UIC552-M0-VS-L1790	1,790 mm (standard)
UIC552-M0-VS-L2111	2,111 mm (standard)
UIC552-M0-VS-L3000	3,000 mm (standard)

(Other lengths on request)

UIC 552 M0 SERIES PLUG (S), CONNECTOR CABLE (AS) & JUMPER CABLE (VS)

Order options and key

Example:

UIC 552 M0 connector cable with plug, 1,964 mm cable length (total)

UIC552-M0-AS-L1964

Type
UIC 552 M0

Product

S	Plug without cable
AS	Connector cable with one plug
VS	Jumper cable with two plugs

Total length

Lxxxx Standard lengths for cable variant AS: (see page 5)
Standard lengths for cable variant VS: (see page 5)
(desired lengths on request)

Color option

RAL9005	Deep Black
RAL7023	Concrete Gray
	(Other colors on customer request)

UIC 552 M0 SERIES RECEPTACLE (KDO)



Receptacle UIC 552 M0 series: Deep Black, RAL 9005

Product info

The locking of our receptacle housing with its solid metal handle ensures a safe engagement of the plug for permanent operation under harsh conditions.

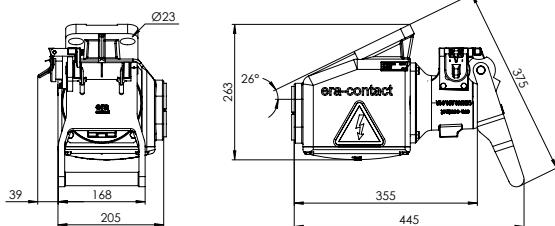
Installation

The receptacle is mounted below the chassis. The inner end of the female contact is provided with M16 screws in order to connect the cables.

Option handle (KDO-DL/KDO-DK)

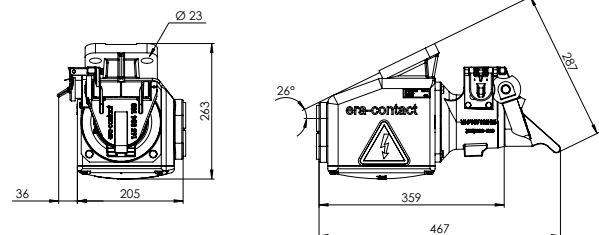
Receptacle with long handle:

KDO-DL



Receptacle with short handle:

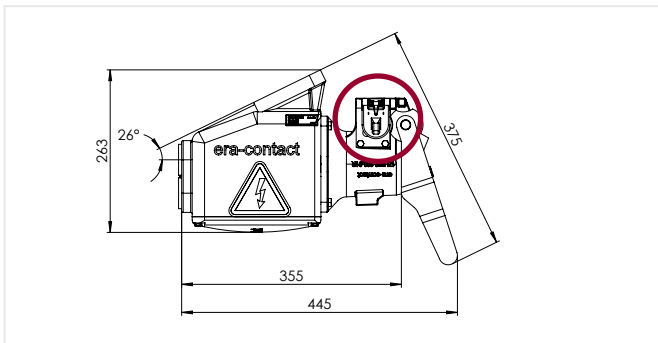
KDO-DK



UIC 552 M0 SERIES RECEPTACLE (KDO)

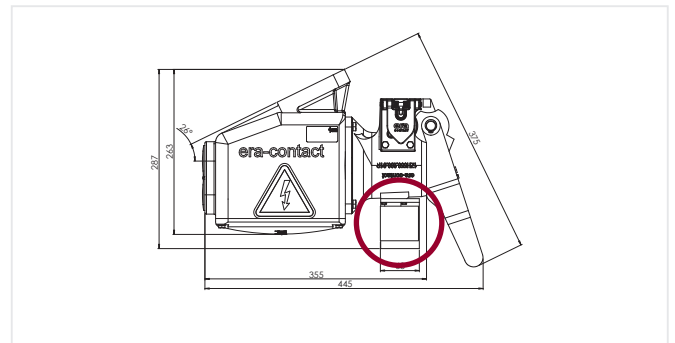
Option locking device (V)

The UIC 552 M0 receptacle is available with locking device (V1) and without locking device (V0).



Option pilot contact (P)

The UIC 552 M0 receptacle is available with pilot contact (P1) and without pilot contact (P0).



Order options and key

Example:

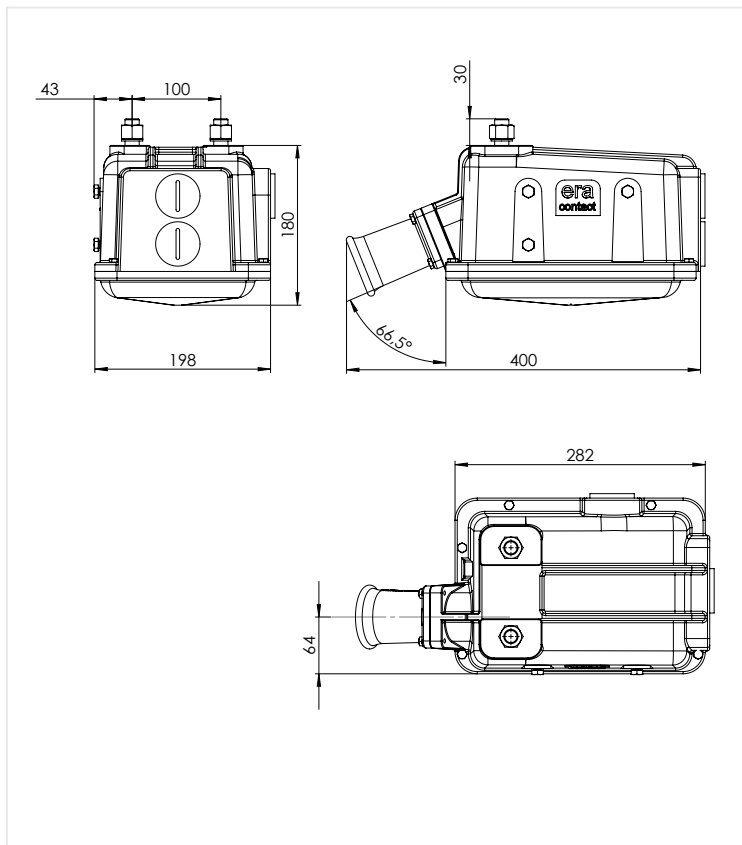
UIC 552 receptacle with long handle, locking device, pilot contact and standard thread size (Pg36 / Pg13,5)

			UIC552-M0-KDO-DL-V1-P1-Pg
Type	UIC552-M0	_____	
Product	KDO	Receptacle	_____
Handle	DL DK	Long handle Short handle	_____
Locking device	V0 V1	without locking device with locking device	_____
Pilot contact	P0 P1	without pilot contact with pilot contact	_____
Thread size	Pg	Pg36 / Pg13,5 (standard) (Other sizes on request)	_____

Color option

RAL9005 Deep Black
RAL7023 Concrete Gray
(Other colors on request)

UIC 552 M0 SERIES CABLE JUNCTION BOX (KAK)



Product info

Our robust cable junction box is a safe interface for an easy and permanent connection of cables.



Cable junction box UIC 552 M0:
Deep Black, RAL 9005

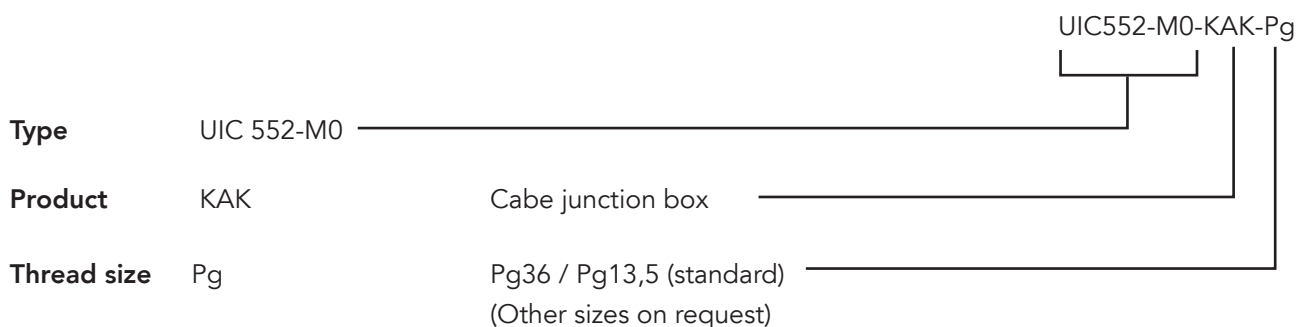
Installation

The cable junction box is mounted below the chassis. A terminal strip for the cable connection is integrated inside, which is accessible via the cover, which is screwed on from the outside.

Order options and key

Example:

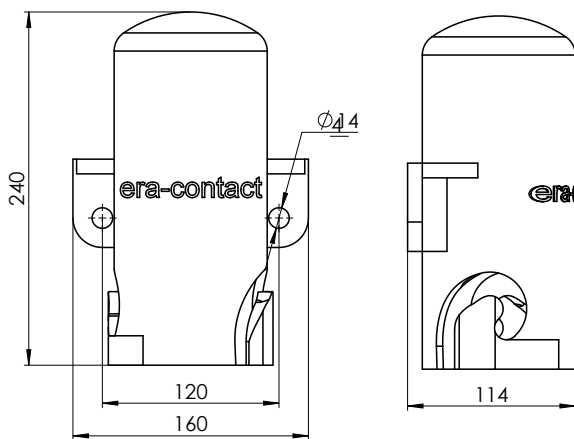
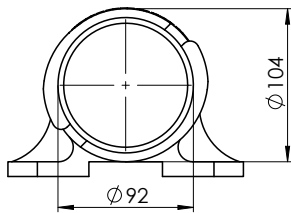
Cable junction box with standard thread (Pg36 / Pg13,5)



Color option

- RAL9005 Deep Black
- RAL7023 Concrete Gray
- (Other colors on request)

UIC 552 M0 SERIES DUMMY RECEPTACLE (BDO)



Product info

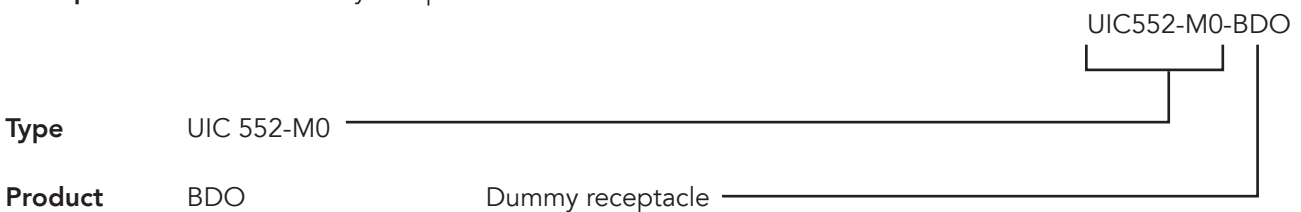
For permanent functionality, our proven dummy receptacle is used as receptacle for the plug in order to protect it from unwanted external influences when not coupled. The plug is locked in the dummy receptacle via a bayonet lock.



Dummy receptacle UIC 552 M0 series:
Deep Black, RAL 9005

Order options and key

Example: UIC 552 M0 dummy receptacle



Color option

- RAL9005 Deep Black
- RAL7023 Concrete Gray
- (Other colors on request)



MORE BENEFITS FOR YOU:

- Punctuality
- Consistently high quality all over the world
- Comprehensive service wherever you are in the world
- Years of expertise for your product
- International presence
- On-site engineering service – from prototyping to after-sales
- Original manufacturer
- A team just for you



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