Installation equipment

miniCON plug connector

8595/1-CB1-S-P25-001 Art. No. 298996



Simple handling using hot swap technology

- · Versatile application possibilities thanks to modular structure
- · Most extreme operating conditions in hazardous areas
- · Reliable data and signal connections or power supplies
- Simple connection and disconnection thanks to one-handed operation

MY R. STAHL 8595C

EELCO

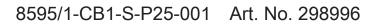


R. STAHL's Series 8595/1 explosion-protected miniCON plug connectors with up to eight poles keep you safely connected. The high-quality plastic or stainless steel plug connectors have impressed many customers with their reliability and versatility in application. Their hot swap disconnecting capacity means that intrinsically safe signal supplies and power supplies up to 500 V/16 A can be connected and disconnected reliably and safely without the need for a hot work permit or other hot work authorisation. The miniCON connectors designed for conductor cross-sections of 0.25 mm² to 2.5 mm² are available for directly connecting electrical lines or for device installation in the device plug and flange socket types of construction. The new plug connectors for hazard-ous areas in Zones 1 and 21 stand out from the competition thanks to their modular structure and logically arranged components, which enable quick, easy mounting. Our patented single-handed operation means that matching plug connectors, which can be defined by the installer using internal coding for up to three applications, can be connected in no time.

Technical Data

Explosion Protection

European Union (ATEX) IECEx
1, 2, 21, 22
IECEx EPS 20.0035X
IECEx EPS 20.0035X
Ex db eb IIC T6 / T5 Gb
Ex ia IIC T6 Ga
IECEx EPS 20.0035X
Ex tb IIIC T80 °C / T95 °C Db
Ex ia IIIC T80 °C Da
EPS 20 ATEX 1075 X
EPS 20 ATEX 1075 X
🚯 II 2 G Ex db eb IIC T6 / T5 Gb
🚯 II 1 G Ex ia IIC T6 Ga
EPS 20 ATEX 1075 X
€ II 2 D Ex tb IIIC T80 °C / T95 °C Db
€ II 1 D Ex ia IIIC T80 °C Da
ATEX (EPS), IECEx (EPS)
ATEX (EUK)



Electrical Data

ts can be used.
ts can be used.

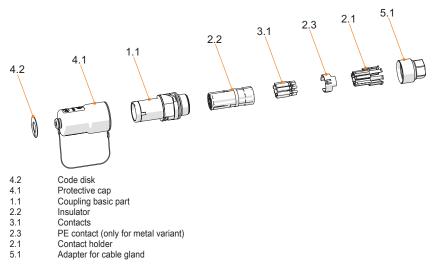
STAH

miniCON plug connector

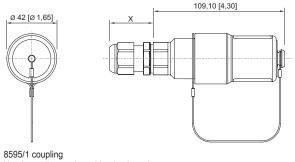


8595/1-CB1-S-P25-001 Art. No. 298996

Technical Drawings – Subject to Alterations



Dimensional Drawings (All Dimensions in mm [inches]) - Subject to Alterations



X = depending on the cable gland used

Accessories

Plug, reverse		Art. No.
Electron	Enclosure material: Nickel-plated brass	298960
	Contact type: Socket contact	
	Connection cross-section: 2.5 mm ²	
	Number of poles: 7 P + PE/8 P	
	Connection type: Crimping	
Crimping tool		Art. No.
A CONTRACTOR	For all versions with crimp connection of 0.14 to 6 mm ²	295689
Contact mounts/pe	ositioners for rotated industrial contacts	Art. No.
	The selection of the contact mount is based on the crimp contacts to be processed.	299586
E I	- Exact positioning of the crimp contact during the crimping process	
	- Reliable, reproducible crimping result	



8595/1-CB1-S-P25-001 Art. No. 298996

2-ear clamps		Art. No.
	KIT 8595 2-ear clamps, small Strain relief depending on the cable gland used Cable outer diameter 5 to 13 mm	286168
Adapters		Art. No.
	8595 nickel-plated brass adapter for cable gland, M16 x 1.5	314522
Adaptor		Art. No.
	KIT 8595 nickel-plated brass adaptor for cable gland, M20 x 1.5	296752
Pin contact		Art. No.
	KIT 8595 pin contacts (2.5 mm ²), 8 pieces	286158
Code disks		Art. No.
0 <mark>0</mark> 0	KIT coding plate 8595, four colours, without labelling Customer-specific labelling available on request	289939
Metal cable gland		Art. No.
	CMP type 20C2K, Ex e Nickel-plated brass, M20 x 1.5, for armoured cables, thread length 10 mm Cable outer diameter 12.5 to 20.9 mm	309134
	CMP type 20s/16C2K, Ex e Nickel-plated brass, M20 x 1.5, for armoured cables, thread length 10 mm Cable outer diameter 9.5 to 15.9 mm	309133
	CMP type 20sC2K, Ex e Nickel-plated brass, M20 x 1.5, for armoured cables, thread length 10 mm Cable outer diameter 9.5 to 15.9 mm	313014
	CMP type 20A2e100, Ex e Nickel-plated brass, M20 x 1.5, for unarmoured cables Cable outer diameter 7 to 13.5 mm	309137
	CMP type 20s/16A2e100, Ex e Nickel-plated brass, M20 x 1.5, for unarmoured cables Cable outer diameter 3.2 to 8 mm	309136

Spare Parts

Jam nut, nickel-plated	brass
------------------------	-------

Art. No.



8595/1-CB1-S-P25-001 Art. No. 298996

\bigcirc	Material: Nickel-plated brass One piece Thread size: M32	110869
Contact holder	for pin contact	Art. No.
» • •	KIT 8595 pin contact insert + PE	286148
Protective cap		Art. No.
	KIT 8595 coupling protective cap (pin)	286160
0	Incl. KIT 8595 coding plates, four colours, without labelling	

We reserve the right to make alterations to the technical data, dimensions, weights, designs and products available without notice. The illustrations cannot be considered binding.