# Installation equipment

miniCON plug connector

# 8595/1-CB1-S-S25-002 Art. No. 298985



## 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

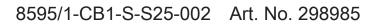


R. STAHL's Series 8595/1 explosion-protected miniCON plug connectors with up to eight poles keep you safely connected. The high-quality plastic or stainless steel plug connectors have impressed many customers with their reliability and versatility in application. Their hot swap disconnecting capacity 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 mm<sup>2</sup> to 2.5 mm<sup>2</sup> 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 1 D Ex ia IIIC T80 °C Da
ATEX (EPS), IECEx (EPS)
ATEX (EUK)



#### **Electrical Data**

1
500 V
max. 110 V
+10%
690 V
16 A
8 A
16 A
7
7 P + PE / 8 P
Eight contacts are included in the delivery as standard. One to eight contacts can be used.
50 – 60 Hz
25 A GL
16 A GL
-60 °C +75 °C
-76 °F +167 °F
Coupling
IP66
IP67
IP64
Coupling
Nickel-plated brass
Socket contact
2.5 mm <sup>2</sup>
1.5 mm <sup>2</sup>
14 AWG
16 AWG
1.5 mm <sup>2</sup>
1.5 mm <sup>2</sup>
16 AWG
16 AWG
M25 x 1.5
7 J
1-3, arbitrary
Silicone
323 g
0.71 lb
crimp
solder
Yes
1

STAH

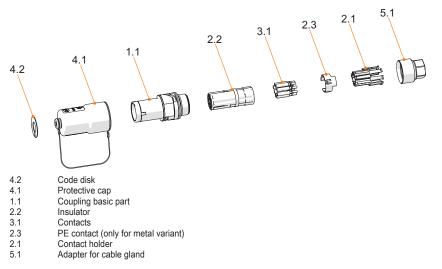
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miniCON plug connector

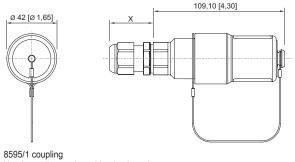


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#### **Technical Drawings – Subject to Alterations**



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



X = depending on the cable gland used

#### Accessories

Ex e device plu	ıg	Art. No.
S	Enclosure material: Nickel-plated brass	298974
	Contact type: Pin contact	
	Connection cross-section: 2.5 mm <sup>2</sup>	
	Number of poles: 7 P + PE/8 P	
	Connection type: Crimping	
Plug		Art. No.
(Tr.	Enclosure material: Nickel-plated brass	298973
	Contact type: Pin contact	
-0	Connection cross-section: 2.5 mm <sup>2</sup>	
	Number of poles: 7 P + PE/8 P	
	Connection type: Crimping	
China	Enclosure material: Plastic	286555
	Contact type: Pin contact	
	Connection cross-section: 2.5 mm <sup>2</sup>	
	Number of poles: 7 P + PE/8 P	
	Connection type: Crimping	



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rimping tool		Art. No.
	For all versions with crimp connection of 0.14 to 6 mm <sup>2</sup>	295689
Contact mounts/po	ositioners for rotated industrial contacts	Art. No.
A A A A A A A A A A A A A A A A A A A	<ul> <li>The selection of the contact mount is based on the crimp contacts to be processed.</li> <li>Exact positioning of the crimp contact during the crimping process</li> <li>Reliable, reproducible crimping result</li> <li>Adapted for miniCON contacts</li> </ul>	299586
-ear clamps		Art. No.
03	KIT 8595 2-ear clamps, big Strain relief depending on the cable gland used Cable outer diameter 13 to 17 mm	286169
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, M25 x 1.5	296753
Socket contact		Art. No.
	KIT 8595 socket contacts (2.5 mm <sup>2</sup> ), 8 pieces	286154
Code disks		Art. No.
000	KIT coding plate 8595, four colours, without labelling Customer-specific labelling available on request	289939
Metal cable gland		Art. No.
	CMP type 25C2K, Ex e Nickel-plated brass, M25 x 1.5, for armoured cables, thread length 10 mm Cable outer diameter 18.2 to 26.2 mm	309135
	CMP type 25A2e100, Ex e Nickel-plated brass, M25 x 1.5, for unarmoured cables Cable outer diameter 11.5 to 19.5 mm	309138

### **Spare Parts**

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Jam nut, nickel	-plated brass	Art. No.
	Material: Nickel-plated brass One piece Thread size: M32	110869
Contact holder	for socket contact	Art. No.
) ) ) )	KIT 8595 socket contact insert + PE	286146
Protective cap		Art. No.
0	KIT 8595 coupling protective cap (socket) Incl. KIT 8595 coding plates, four colours, without labelling	286159

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.