## miniCON plug connector



## 8595/1-PS1-S-S15-00E Art. No. 286580



- · 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 8595D



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 hazardous 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				
Area of application	European Union (ATEX) IECEx			
Application range (zones)	1, 2, 21, 22			
IECEx gas certificate	IECEx EPS 20.0035X			
IECEX gas certificate	IECEx EPS 20.0035X			
IECEx gas explosion protection	Ex db eb IIC T6 / T5 Gb			
IECEx gas explosion protection 2	Ex ia IIC T6 Ga			
IECEx dust certificate	IECEx EPS 20.0035X			
IECEx dust explosion protection	Ex tb IIIC T80 °C / T95 °C Db			
IECEx dust explosion protection 2	Ex ia IIIC T80 °C Da			
ATEX gas certificate	EPS 20 ATEX 1075 X			
ATEX gas certificate	EPS 20 ATEX 1075 X			
ATEX gas explosion protection				
ATEX gas explosion protection 2				
ATEX dust certificate	EPS 20 ATEX 1075 X			
ATEX dust explosion protection				
ATEX dust explosion protection 2				
Certificates	ATEX (EPS), IECEx (EPS)			
Declaration of conformity	ATEX (EUK)			

# miniCON plug connector



## 8595/1-PS1-S-S15-00E Art. No. 286580

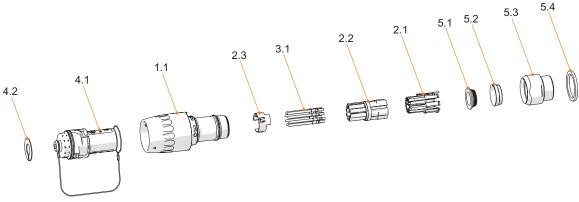
Rated operational voltage AC         500 V           Rated operational voltage DC         max. 110 V           Voltage folerance         ±10%           Rated insulation voltage         690 V           Rated operational current for DC         16 A           Rated operational current for DC         8 A           Rated operational current for DC 2         16 A           No. of poles         7 P+PE / 8 P           AC frequency range         50 – 60 Hz           Device Specific Data         50 – 60 Hz           Back-up fuse with thermal protection         16 A GL           Ambient Conditions         40 °C 75 °C           Ambient temperature         -60 °C 75 °C           Ambient temperature         -76 °F +167 °F           Mechanical Data         Ex e device plug, reverse           Degree of protection (IP) (IEC 60079)         IP66           IP67         IP64           Base part         Plug           Enclosure material         Stainless steel 1.4404           Connection cross-section 2         0.75 - 1 mm²           Connection cross-section 2         0.75 - 1 mm²           Connection cross-section 2 min.         0.75 mm²           Connection cross-section 2 min.         0.75 mm²           Co	Electrical Data	
Rated operational voltage DC         max. 110 V           Voltage tolerance         +10%           Rated insulation voltage         690 V           Rated operational current for DC         8 A           Rated operational current for DC 2         16 A           No. of poles         7 P + PE / 8 P           AC frequency range         50 - 60 Hz           Davice Spacific Data         8 A           Back-up fuse with thermal protection         25 A GL           Back-up fuse with thermal protection         16 A GL           Ambient Conditions         Ambient Conditions           Ambient temperature         -60 °C 75 °C           Ambient temperature         -76 °F +167 °F           Mechanical Data         Ex e device plug, reverse           Version         Ex e device plug, reverse           Degree of protection (IP) (IEC 60529)         IP66           IP6 degree of protection (IEC 60079)         IP64           Base part         Stanless steel 1.4404           Connection cross-section 2         0.75 – 1 mm²           Connection cross-section AWG         16 AWG           Connection cross-section AWG         18 AWG           Connection cross-section 2 max.         1 mm²           Connection thread         M32 x 1.5 </td <td>Rated operational voltage AC</td> <td>500 V</td>	Rated operational voltage AC	500 V
Voltage tolerance         +10%           Rated perational current for DC         890 V           Rated operational current for DC 2         16 A           Rated operational current for DC 2         16 A           No. of poles         7 P + PE / 8 P           No. of poles         7 P + PE / 8 P           AC frequency range         50 - 60 Hz           Device Specific Data         Back-up fuse with thermal protection           Back-up fuse with thermal protection         16 A GL           Ambient Conditions	Rated operational voltage DC	max. 110 V
Rated insulation voltage         690 V           Rated operational current for AC         16 A           Rated operational current for DC         8 A           Rated operational current for DC 2         16 A           No. of poles         7 P + PE / 8 P           AC frequency range         50 - 60 Hz           Device Specific Data           Back-up fuse with thermal protection         25 A GL           Back-up fuse without thermal protection         16 A GL           Ambient Conditions         -60 °C 75 °C           Ambient temperature         -60 °C 75 °C           Ambient temperature         -76 °C +167 °F           Mechanical Data         Ex e device plug, reverse           Pegree of protection (IP) (IEC 60529)         IP66           IP67         IP68           IP6 gene of protection (IEC 60079)         IP68           Base part         Plug           Enclosure material         Stainless steel 1.4404           Connection cross-section AWG         16 AWG           Connection cross-section AWG         16 AWG           Connection cross-section AWG         18 AWG           Connection cross-section 2 max.         1 mm²           Connection cross-section 2 max.         1 mm²           Con		+10%
Rated operational current for DC         8 A           Rated operational current for DC 2         16 A           No. of poles         7 P + PE / 8 P           AC frequency range         50 - 60 Hz           Device Specific Data           Back-up fuse with thermal protection         16 A GL           Back-up fuse without thermal protection         16 A GL           Ambient Conditions         -60 °C 75 °C           Ambient temperature         -68 °F +167 °F           Mechanical Data         Ex e device plug, reverse           Version         Ex e device plug, reverse           Degree of protection (IP) (IEC 60529)         IP66           IP67         IP68           Base part         Plug           Enclosure material         Stainless steel 1.4404           Contact type         Socket contact           Connection cross-section         1.5 mm²           Connection cross-section AWG         18 AWG           Connection cross-section AWG         18 AWG           Connection cross-section 2 mm.         1.7 mm²           Connection cross-section 2 mm.         18 AWG           Connection thread         M32 x 1.5           Impact strength (IEC 60079)         7.J           Coding         1.3,		690 V
Rated operational current for DC 2         16 A           No. of poles         7           No. of poles         7 P + PE / 8 P           AC frequency range         50 - 60 Hz           Device Specific Dats           Back-up fuse without thermal protection         25 A GL           Back-up fuse without thermal protection           Ambient Conditions           Ambient temperature         -60 °C 75 °C           Ambient temperature         -76 °F +167 °F           Mechanical Data           Version         Ex e device plug, reverse           Degree of protection (IP) (IEC 60529)         IP64           Base part         Plug           Enclosure material         Stainless steel 1.4404           Contact type         Socket contact           Connection cross-section         1.5 mm²           Connection cross-section AWG         16 AWG           Connection cross-section AWG         18 AWG           Connection cross-section 2 min.         0.75 mm²           Connection cross-section 2 min.         1.75 mm²           Connection cross-section 2 AWG min.         18 AWG           Connection thread         M32 x 1.5           Impact strength (IEC 60079)	Rated operational current for AC	16 A
Rated operational current for DC 2         16 A           No. of poles         7           No. of poles         7 P + PE / 8 P           AC frequency range         50 - 60 Hz           Device Specific Dats           Back-up fuse with thermal protection         25 A GL           Back-up fuse without thermal protection           Ambient Conditions           Ambient temperature         -60 °C 75 °C           Ambient temperature         -76 °F +167 °F           Mechanical Data           Version         Ex e device plug, reverse           Degree of protection (IP) (IEC 60529)         IP66           IP67         IP69           IP degree of protection (IEC 60079)         IP64           Base part         Plug           Enclosure material         Stainless steel 1.4404           Contact type         Socket contact           Connection cross-section         1.5 mm²           Connection cross-section AWG         18 AWG           Connection cross-section AWG         18 AWG           Connection cross-section 2 max.         1 mm²           Connection cross-section 2 AWG mix.         18 AWG           Connection thread         M32 x 1.5	-	8 A
No. of poles         7 P + PE / 8 P           No. of poles         7 P + PE / 8 P           AC frequency range         50 - 60 Hz           Device Specific Data         Back-up fuse with thermal protection           Back-up fuse with thermal protection         16 A GL           Ambient Conditions         — 60 °C °5 °C           Ambient temperature         — 60 °C °5 °C           Ambient temperature         — 76 °F + 167 °F           Mechanical Data         — 76 °F + 167 °F           Version         Ex e device plug, reverse           Degree of protection (IP) (IEC 60529)         IP66           IP67         IP64           Base part         Plug           Enclosure material         Stainless steel 1.4404           Contact type         Socket contact           Connection cross-section 2         0.75 − 1 mm²           Connection cross-section AWG         16 AWG           Connection cross-section AWG         18 AWG           Connection cross-section 2 max         1 mm²           Connection cross-section 2 MG         18 AWG           Connection cross-section 2 MG         18 AWG           Connection ross-section 2 MG         18 AWG           Connection tread         M32 x 1.5           Imp		16 A
No. of poles         7 P + PE / 8 P           AC frequency range         50 - 60 Hz           Device Specific Data           Back-up fuse with thermal protection         25 A GL           Back-up fuse with uthermal protection         16 A GL           Ambient Conditions           Ambient temperature         -60 °C 75 °C           Ambient temperature         -76 °F + 167 °F           Mechanical Data         Wersion           Version         Ex e device plug, reverse           Degree of protection (IP) (IEC 60529)         IP66           IP67         IP68           Base part         Plug           Enclosure material         Stainless steel 1.4404           Contact type         Socket contact           Connection cross-section         1.5 mm²           Connection cross-section AWG         16 AWG           Connection cross-section AWG         18 AWG           Connection cross-section 2 max.         1 mm²           Connection cross-section 2 AWG min.         18 AWG           Connection friead         M32 x 1.5           Impact strength (IEC 60079)         7.J           Coding         1-3, arbitrary           Seal         Silicone           Weight		7
AC frequency range   50 - 60 Hz		7 P + PE / 8 P
Device Specific Data         25 A GL           Back-up fuse with thermal protection         16 A GL           Ambient Conditions         -60 °C 75 °C           Ambient temperature         -60 °C 75 °C           Mechanical Data         -76 °F +167 °F           Wersion         Ex e device plug, reverse           Degree of protection (IP) (IEC 60529)         IP66 IP67           IP degree of protection (IEC 60079)         IP64           Base part         Plug           Enclosure material         Stainless steel 1.4404           Contact type         Socket contact           Connection cross-section         1.5 mm²           Connection cross-section AWG         16 AWG           Connection cross-section AWG         18 AWG           Connection cross-section 2 min.         0.75 mm²           Connection cross-section 2 min.         1 mm²           Connection cross-section 2 AWG min.         18 AWG           Connection cross-section 2 AWG min.         18 AWG           Connection cross-section 2 AWG max.         1 mm²           Connection thread         M32 x 1.5           Impact strength (IEC 60079)         7 J           Coding         1-3, arbitrary           Seal         Silicone           Weigh		50 – 60 Hz
Back-up fuse with thermal protection         25 A GL           Back-up fuse without thermal protection         16 A GL           Ambient Conditions         Ambient temperature           Ambient temperature         -60 °C 75 °C           Ambient temperature         -76 °F +167 °F           Mechanical Data         Version           Version         Ex e device plug, reverse           Degree of protection (IP) (IEC 60529)         IP66 IP67           IP degree of protection (IEC 60079)         IP64           Base part         Plug           Enclosure material         Stainless steel 1.4404           Contact type         Socket contact           Connection cross-section         1.5 mm²           Connection cross-section AWG         16 AWG           Connection cross-section AWG         18 AWG           Connection cross-section 2 min.         0.75 mm²           Connection cross-section 2 max.         1 mm²           Connection cross-section 2 AWG min.         18 AWG           Connection cross-section 2 AWG min.         18 AWG           Connection thread         M32 x 1.5           Impact strength (IEC 60079)         7 J           Coding         1-3, arbitrary           Seal         Silicone <t< td=""><td></td><td></td></t<>		
Back-up fuse without thermal protection         16 A GL           Ambient Conditions         -60 °C 75 °C           Ambient temperature         -60 °C 75 °C           Ambient temperature         -76 °F +167 °F           Mechanical Data         Version           Version         Ex e device plug, reverse           Degree of protection (IP) (IEC 60529)         IP66           IP67         IP68           IP98         Plug           Enclosure material         Stainless steel 1.4404           Contact type         Socket contact           Connection cross-section         1.5 mm²           Connection cross-section 2         0.75 – 1 mm²           Connection cross-section AWG         16 AWG           Connection cross-section 2 min.         0.75 mm²           Connection cross-section 2 min.         0.75 mm²           Connection cross-section 2 max.         1 mm²           Connection cross-section 2 AWG min.         18 AWG           Connection cross-section 2 AWG min.         18 AWG           Connection thread         M32 x 1.5           Impact strength (IEC 60079)         7 J           Coding         1-3, arbitrary           Seal         Silicone           Weight         667 g <td></td> <td>25 A GL</td>		25 A GL
Ambient Conditions         -60 °C 75 °C           Ambient temperature         -60 °C 75 °C           Ambient temperature         -76 °F +167 °F           Mechanical Data         Ex e device plug, reverse           Degree of protection (IP) (IEC 60529)         IP66 IP67           IP degree of protection (IEC 60079)         IP64           Base part         Plug           Enclosure material         Stainless steel 1.4404           Contact type         Socket contact           Connection cross-section         1.5 mm²           Connection cross-section 2         0.75 – 1 mm²           Connection cross-section AWG         16 AWG           Connection cross-section 2 min.         0.75 mm²           Connection cross-section 2 min.         0.75 mm²           Connection cross-section 2 max.         1 mm²           Connection cross-section 2 AWG min.         18 AWG           Connection tross-section 2 AWG max.         18 AWG           Connection thread         M32 x 1.5 limpact strength (IEC 60079)         7 J           Coding         1-3, arbitrary           Seal         Silicone           Weight         1.25 lb           Mounting / Installation           Connection type         crimp           Con	<u>'</u>	16 A GL
Ambient temperature         -60 °C 75 °C           Ambient temperature         -76 °F +167 °F           Mechanical Data           Version         Ex e device plug, reverse           Degree of protection (IP) (IEC 60529)         IP66 IP67           IP degree of protection (IEC 60079)         IP64           Base part         Plug           Enclosure material         Stainless steel 1.4404           Contact type         Socket contact           Connection cross-section         1.5 mm²           Connection cross-section AWG         16 AWG           Connection cross-section AWG         18 AWG           Connection cross-section 2 min.         0.75 mm²           Connection cross-section 2 max.         1 mm²           Connection cross-section 2 AWG min.         18 AWG           Connection thread         M32 x 1.5           Impact strength (IEC 60079)         7 J           Coding         1-3, arbitrary           Seal         Silicone           Weight         567 g           Weight (Jack States) (		
Ambient temperature         -76 °F +167 °F           Mechanical Data         Ex e device plug, reverse           Version         Ex e device plug, reverse           Degree of protection (IP) (IEC 60529)         IP66 IP67           IP degree of protection (IEC 60079)         IP64           Base part         Plug           Enclosure material         Stainless steel 1.4404           Contact type         Socket contact           Connection cross-section         1.5 mm²           Connection cross-section 2         0.75 – 1 mm²           Connection cross-section AWG         16 AWG           Connection cross-section 2 min.         0.75 mm²           Connection cross-section 2 max.         1 mm²           Connection cross-section 2 AWG min.         18 AWG           Connection cross-section 2 AWG max.         18 AWG           Connection thread         M32 x 1.5           Impact strength (IEC 60079)         7 J           Coding         1-3, arbitrary           Seal         Silicone           Weight         567 g           Weight (Installation)         1.25 lb           Mounting / Installation         crimp           Connection type 2         solder		-60 °C 75 °C
Mechanical Data         Ex e device plug, reverse           Degree of protection (IP) (IEC 60529)         IP66 IP67           IP degree of protection (IEC 60079)         IP64           Base part         Plug           Enclosure material         Stainless steel 1.4404           Contact type         Socket contact           Connection cross-section         1.5 mm²           Connection cross-section 2         0.75 – 1 mm²           Connection cross-section AWG         16 AWG           Connection cross-section AWG         18 AWG           Connection cross-section 2 min.         0.75 mm²           Connection cross-section 2 max.         1 mm²           Connection cross-section 2 AWG min.         18 AWG           Connection cross-section 2 AWG min.         18 AWG           Connection thread         M32 x 1.5           Impact strength (IEC 60079)         7 J           Coding         1-3, arbitrary           Seal         Silicone           Weight         567 g           Weight (Jack Ballation)         1.25 lb           Mounting / Installation         crimp           Connection type 2         solder           Components		
Version         Ex e device plug, reverse           Degree of protection (IP) (IEC 60529)         IP66 IP67           IP degree of protection (IEC 60079)         IP64           Base part         Plug           Enclosure material         Stainless steel 1.4404           Contact type         Socket contact           Connection cross-section         1.5 mm²           Connection cross-section 2         0.75 – 1 mm²           Connection cross-section AWG         16 AWG           Connection cross-section AWG         18 AWG           Connection cross-section 2 min.         0.75 mm²           Connection cross-section 2 max.         1 mm²           Connection cross-section 2 AWG min.         18 AWG           Connection cross-section 2 AWG max.         18 AWG           Connection thread         M32 x 1.5           Impact strength (IEC 60079)         7 J           Coding         1-3, arbitrary           Seal         Silicone           Weight         567 g           Weight         1.25 lb           Mounting / Installation           Connection type 2         solder           Components	<u> </u>	
Degree of protection (IP) (IEC 60529)		Ex e device plug, reverse
IP67   IP degree of protection (IEC 60079)   IP64	Degree of protection (IP) (IEC 60529)	
Base part Plug Enclosure material Stainless steel 1.4404 Contact type Socket contact Connection cross-section 1.5 mm² Connection cross-section 2 0.75 – 1 mm² Connection cross-section AWG 16 AWG Connection cross-section AWG 18 AWG Connection cross-section 2 min. 0.75 mm² Connection cross-section 2 min. 0.75 mm² Connection cross-section 2 MWG min. 18 AWG Connection cross-section 2 AWG min. 18 AWG Connection cross-section 2 AWG min. 18 AWG Connection tross-section 2 AWG min. 18 AWG Connection tross-section 2 AWG min. 18 AWG Connection thread M32 x 1.5 Impact strength (IEC 60079) 7 J Coding 1-3, arbitrary Seal Silicone Weight 567 g Weight 1.25 lb  Mounting / Installation Connection type crimp Connection type 2 solder Components	( ) ( · · · · · · · · · · · · · · · · ·	
Enclosure material Stainless steel 1.4404  Contact type Socket contact  Connection cross-section 1.5 mm²  Connection cross-section 2 0.75 – 1 mm²  Connection cross-section AWG 16 AWG  Connection cross-section AWG 18 AWG  Connection cross-section 2 min. 0.75 mm²  Connection cross-section 2 max. 1 mm²  Connection cross-section 2 AWG min. 18 AWG  Connection cross-section 2 AWG min. 18 AWG  Connection cross-section 2 AWG max. 18 AWG  Connection thread M32 x 1.5  Impact strength (IEC 60079) 7 J  Coding 1-3, arbitrary  Seal Silicone  Weight 567 g  Weight 1.25 lb  Mounting / Installation  Connection type crimp  Connection type 2 solder  Components	IP degree of protection (IEC 60079)	IP64
Contact type Socket contact  Connection cross-section 1.5 mm²  Connection cross-section 2 0.75 – 1 mm²  Connection cross-section AWG 16 AWG  Connection cross-section AWG 18 AWG  Connection cross-section 2 min. 0.75 mm²  Connection cross-section 2 max. 1 mm²  Connection cross-section 2 AWG min. 18 AWG  Connection cross-section 2 AWG min. 18 AWG  Connection cross-section 2 AWG max. 18 AWG  Connection thread M32 x 1.5  Impact strength (IEC 60079) 7 J  Coding 1-3, arbitrary  Seal Silicone  Weight 567 g  Weight 1.25 lb  Mounting / Installation  Connection type crimp  Connection type 2 solder  Components	Base part	Plug
Connection cross-section         1.5 mm²           Connection cross-section 2         0.75 – 1 mm²           Connection cross-section AWG         16 AWG           Connection cross-section 2 min.         0.75 mm²           Connection cross-section 2 max.         1 mm²           Connection cross-section 2 AWG min.         18 AWG           Connection cross-section 2 AWG max.         18 AWG           Connection thread         M32 x 1.5           Impact strength (IEC 60079)         7 J           Coding         1-3, arbitrary           Seal         Silicone           Weight         567 g           Weight         1.25 lb           Mounting / Installation           Connection type         crimp           Connection type 2         solder           Components	Enclosure material	Stainless steel 1.4404
Connection cross-section 2         0.75 – 1 mm²           Connection cross-section AWG         16 AWG           Connection cross-section AWG         18 AWG           Connection cross-section 2 min.         0.75 mm²           Connection cross-section 2 max.         1 mm²           Connection cross-section 2 AWG min.         18 AWG           Connection cross-section 2 AWG max.         18 AWG           Connection thread         M32 x 1.5           Impact strength (IEC 60079)         7 J           Coding         1-3, arbitrary           Seal         Silicone           Weight         567 g           Weight         1.25 lb           Mounting / Installation           Connection type         crimp           Connection type 2         solder           Components	Contact type	Socket contact
Connection cross-section AWG  Connection cross-section AWG  Connection cross-section 2 min.  Connection cross-section 2 max.  Connection cross-section 2 AWG min.  Connection cross-section 2 AWG min.  Connection cross-section 2 AWG max.  18 AWG  Connection thread  M32 x 1.5  Impact strength (IEC 60079)  7 J  Coding  1-3, arbitrary  Seal  Weight  567 g  Weight  Mounting / Installation  Connection type  Connection type  Connection type 2  Components	Connection cross-section	1.5 mm²
Connection cross-section AWG Connection cross-section 2 min.  Connection cross-section 2 max.  I mm² Connection cross-section 2 AWG min.  I8 AWG Connection cross-section 2 AWG min.  I8 AWG Connection cross-section 2 AWG max.  I8 AWG Connection thread  M32 x 1.5  Impact strength (IEC 60079)  7 J  Coding  1-3, arbitrary  Seal  Silicone  Weight  567 g  Weight  1.25 lb  Mounting / Installation  Connection type  Connection type  Connection type 2  Solder  Components	Connection cross-section 2	0.75 – 1 mm²
Connection cross-section 2 min.  Connection cross-section 2 max.  1 mm²  Connection cross-section 2 AWG min.  18 AWG  Connection cross-section 2 AWG max.  18 AWG  Connection thread  M32 x 1.5  Impact strength (IEC 60079)  7 J  Coding  1-3, arbitrary  Seal  Silicone  Weight  567 g  Weight  1.25 lb  Mounting / Installation  Connection type  Connection type 2  Components	Connection cross-section AWG	16 AWG
Connection cross-section 2 max. 1 mm² Connection cross-section 2 AWG min. 18 AWG Connection cross-section 2 AWG max. 18 AWG Connection thread M32 x 1.5 Impact strength (IEC 60079) 7 J Coding 1-3, arbitrary Seal Silicone Weight 567 g Weight 1.25 lb  Mounting / Installation Connection type crimp Connection type 2 solder  Components	Connection cross-section AWG	18 AWG
Connection cross-section 2 AWG min.  Connection cross-section 2 AWG max.  18 AWG  Connection thread  M32 x 1.5  Impact strength (IEC 60079)  7 J  Coding  1-3, arbitrary  Seal  Silicone  Weight  567 g  Weight  1.25 lb  Mounting / Installation  Connection type  Connection type  Connection type 2  Components	Connection cross-section 2 min.	0.75 mm <sup>2</sup>
Connection cross-section 2 AWG max.         18 AWG           Connection thread         M32 x 1.5           Impact strength (IEC 60079)         7 J           Coding         1-3, arbitrary           Seal         Silicone           Weight         567 g           Weight         1.25 lb           Mounting / Installation           Connection type         crimp           Connection type 2         solder           Components	Connection cross-section 2 max.	1 mm²
Connection thread M32 x 1.5 Impact strength (IEC 60079) 7 J Coding 1-3, arbitrary Seal Silicone Weight 567 g Weight 1.25 lb  Mounting / Installation Connection type crimp Connection type 2 solder  Components	Connection cross-section 2 AWG min.	18 AWG
Impact strength (IEC 60079)         7 J           Coding         1-3, arbitrary           Seal         Silicone           Weight         567 g           Weight         1.25 lb           Mounting / Installation           Connection type         crimp           Connection type 2         solder           Components	Connection cross-section 2 AWG max.	18 AWG
Coding         1-3, arbitrary           Seal         Silicone           Weight         567 g           Weight         1.25 lb           Mounting / Installation         crimp           Connection type         crimp           Connection type 2         solder           Components	Connection thread	M32 x 1.5
Seal Silicone  Weight 567 g  Weight 1.25 lb  Mounting / Installation  Connection type crimp  Connection type 2 solder  Components	Impact strength (IEC 60079)	7 J
Weight 567 g  Weight 1.25 lb  Mounting / Installation  Connection type crimp  Connection type 2 solder  Components	Coding	1-3, arbitrary
Weight 1.25 lb  Mounting / Installation  Connection type crimp  Connection type 2 solder  Components	Seal	Silicone
Mounting / Installation  Connection type crimp  Connection type 2 solder  Components	Weight	567 g
Connection type crimp Connection type 2 solder Components	Weight	1.25 lb
Connection type 2 solder  Components	Mounting / Installation	
Components	Connection type	crimp
•	Connection type 2	solder
Protective cap available Yes	Components	
the state of the s	Protective cap available	Yes

## miniCON plug connector



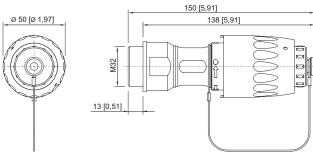
#### 8595/1-PS1-S-S15-00E Art. No. 286580

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



- Code disk
- Protective cap
- Plug basic part
- PE contact (only for metal variant)
- Contacts
- Insulator
- Contact holder
- Earthing ring Clamping disc
- 4.2 4.1 1.1 2.3 3.1 2.2 2.1 5.1 5.2 5.3
- Ex e adapter
- Seal

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



8595/1 Ex e device plug

### **Accessories**

EMC/shielding		Art. No.
00	To create an EMC-compliant connection of braided, shielded or reinforced conductors.	307512
Ex e flange socket	reverse	Art. No.
	Enclosure material: Stainless steel 1.4404 Contact type: Pin contact Connection cross-section: 1.5 mm² Number of poles: 7 P + PE/8 P Connection type: Crimping	286616
Crimping tool		Art. No.
	For all versions with crimp connection of 0.14 to 6 mm <sup>2</sup>	295689

# miniCON plug connector



## 8595/1-PS1-S-S15-00E Art. No. 286580

Contact mounts/po	ositioners for rotated industrial contacts	Art. No.
	The selection of the contact mount is based on the crimp contacts to be processed.  - Exact positioning of the crimp contact during the crimping process  - Reliable, reproducible crimping result  - Adapted for miniCON contacts	299586
daptor		Art. No.
0	KIT 8595 stainless steel adaptor, M20 x 1.5, for installation in Ex e enclosure	304565
0000	KIT 8595 stainless steel adaptor, M25 x 1.5, for installation in Ex e enclosure	304567
	KIT 8595 stainless steel adaptor, M32 x 1.5, for installation in Ex e enclosure	286166
Socket contact		Art. No.
	KIT 8595 socket contacts (1.5 mm²), 8 pieces	286153
Code disks		Art. No.
000	KIT coding plate 8595, four colours, without labelling Customer-specific labelling available on request	289939
Reducer		Art. No.
	CMP-737DR Reducer M32 x 1.5 - M20 x 1.5 Stainless steel	281583
	CMP-737DR Reducer M32 x 1.5 - M25 x 1.5 Stainless steel	281586

## **Spare Parts**

Jam nut, nickel	-plated brass	Art. No.	
	Material: Nickel-plated brass One piece Thread size: M32	110869	
ontact holder	for socket contact	Art. No.	
	KIT 8595 socket contact insert + PE	286146	
Protective cap		Art. No.	
0	KIT 8595 plug protective cap (pin/socket) Incl. KIT 8595 coding plates, four colours, without labelling	286161	

miniCON plug connector



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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.