

Installation equipment

20 A plug

Plug

8570/22-509-S-XX-X-XX-XXX Art. No. 291377



- Different voltage ranges according to EN 60309
- No impact of torsional forces from the wire on the seal
- Large temperature range of use
- High mechanical impact and shock resistance
- Perfect protection against penetration of liquids and dusts
- 3D data for download on the website
- Protective cap included in delivery

MY R. STAHL 8570V



R. STAHL Series 8570/22 SolConeX plugs are 3-, 4- or 5-pole 20 A plugs that are classified for the zone or division according to NEC 505. The floating pins allow them to be inserted and removed simply and easily. The pivoting strain relief makes it easier to install the cable. Self-cleaning and corrosion-free plug pins made from high-quality materials ensure optimum electrical contact. A protective cap ensures that the plug pins are optimally protected against dirt when not plugged in.

Technical Data

Explosion Protection

Area of application	European Union (ATEX) Canada IECEX USA
Application range (zones)	1, 2, 21, 22
IECEX gas certificate	IECEX PTB 19.0019X
IECEX gas explosion protection	Ex eb IIC T6 ... T5 Gb
IECEX dust certificate	IECEX PTB 19.0019X
IECEX dust explosion protection	Ex tb IIIC T75 °C Db
ATEX gas certificate	PTB 19 ATEX 1006 X
ATEX gas explosion protection	⊕ II 2 G Ex eb IIC T6 ... T5 Gb
ATEX dust certificate	PTB 19 ATEX 1006 X
ATEX dust explosion protection	⊕ II 2 D Ex tb IIIC T75 °C Db
FMus certificate	FM20US0117X
cFM certificate	FM20CA0057X
Marking FMus	Class I, Div. 2, Groups A,B,C,D; Class II, III, Div. 1, Groups E,F,G, Enclosure Type 3, 4, 4X Class I, Zone 1, AEx eb IIC T6 ... T5 Gb; Zone 21, AEx tb IIIC T80 °C Db
Marking cFM	Ex eb IIC Gb; Class I, Div. 2, Groups A,B,C,D; Class II, III, Div. 1, Groups E,F,G, Enclosure Type 3, 4, 4X Ex tb IIIC T80 °C Db
Certificates	ATEX (PTB), Brazil (ULB), Canada (FM), China (CQST), IECEX (PTB), India (PESO), Korea (KGS), Taiwan (ITRI), USA (FM)

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Explosion Protection

Ship approval DNV

Electrical Data

Type of voltage Low voltage
Rated operational voltage 120/208 ... 144/250 V AC
Rated operational current 20 A
Rated operational current 20 A
Mechanical service life > 5x10³ mating cycles
Frequency range 50 / 60 Hz

Ambient Conditions

Ambient temperature -50 °C to +65 °C
Ambient temperature -58 °F to +149 °F
Ambient temperature note For further information, see the operating instructions.

Mechanical Data

Degree of protection IP (IEC 60529) IP66
IP degree of protection (IEC 60079) IP64
Enclosure type (NEMA250) 3, 4, 4X
Enclosure material Polyamide, Glass fibre reinforced
Silicone-free No
Finely stranded connection cross-section 1 x 1.5 mm² ... 1 x 4 mm²
Finely stranded connection cross-section AWG 1 x AWG 16 ... 1 x AWG 12
Width 92 mm
Width, inches 3.62 in
Height 92 mm
Height in inches 3.62 in
Length 176 mm
Length in inches 6.93 in
Impact strength (IEC 60079) 7 J
Impact strength (IEC 62262) IK10
Colour code Blue
Coding (clock hour position) 9
Series SolConeX
Detailed number of poles 4-pole, 5 conductors
Detailed pole number 2 3 P + N + PE
Weight 444 g
Weight 0.98 lb

Mounting / Installation

Connection Screw terminal

Components

Cable diameter 8 – 19.7 mm
Cable diameter inch 0.31 – 0.78 in

Installation equipment

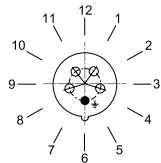
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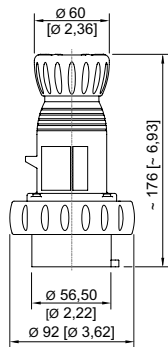
Technical Drawings – Subject to Alterations



Position of clock hour position

Example: 6 h position

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

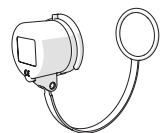


5-pole plug

Accessories

Protective cap for Series 8570 plug

Art. No.



5-pole

150520

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.