

Installation equipment

Plug 20 A

Plug

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



- Different voltage ranges according to EN 60309
- No effect of torsional forces from the conductor 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 NEC 505 zone or division classified 3, 4 or 5 pole 20 A plugs. They are easy and simple to plug and unplug thanks to floating pins. 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 provides optimum protection against soiling of the plug pins when unplugged.

Technical Data

Explosion Protection

Scope of validity	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 T6 ... T5 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

Installation equipment

Plug 20 A

Plug

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



Explosion Protection

Certificates	ATEX (PTB), Brazil (ULB), Canada (FM), China (CQST), IECEx (PTB), Taiwan (ITRI), USA (FM)
Ship approval	DNV

Electrical Data

Rated operational voltage	120/208 to 144/250 V AC
Rated operational current	20 A
Mechanical service life	> 5x10 ³ mating cycles
Type of voltage	Low voltage
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 mm ² ... 1 x 4 mm ²
Finely stranded connection cross-section AWG	1 x AWG 16 ... 1 x AWG 12
Width	92 mm
Width in inches	3.62 in
Height	92 mm
Height, inches	3.62 in
Length	176 mm
Length, 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 – 18 mm
Cable diameter inch	0.31 – 0.71 in

Installation equipment

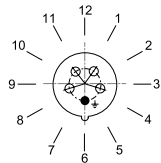
Plug 20 A

Plug

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



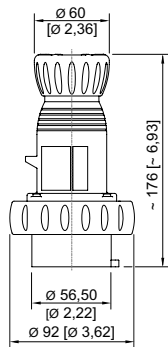
Technical Drawings – Subject to Alterations



Position of clock hour position

Example: 6 h position

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

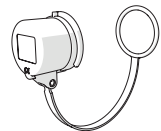


5-pole plug

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.