

# Installation Equipment

Plug 20 A

Plug

8570/22-407 Art. No. 150620



- Degree of protection IP66, extreme temperature range of -30 to +55 °C
- No impact of torsional forces from the cable on the seal
- Wear-free contacts even in aggressive atmosphere

WebCode 8570G



R. STAHL Series 8570/22 SolConeX plugs for Zone 1/21 are silicone-free 3-, 4- or 5-pole 20 A plugs. The floating pins allow them to be inserted and removed quickly 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.

## Technical Data

### Explosion Protection

|                                 |  |
|---------------------------------|--|
| Scope of validity               | European Union (ATEX)<br>Canada<br>IECEX<br>USA  |
| Application range (zones)       | 1<br>2<br>21<br>22   |
| IECEX gas certificate           | IECEX PTB 05.0023  |
| IECEX gas explosion protection  | Ex db eb IIC T6 Gb   |
| IECEX dust certificate          | IECEX PTB 05.0023  |
| IECEX dust explosion protection | Ex tb IIIC T80 °C Db   |
| ATEX gas certificate            | PTB 03 ATEX 1227   |
| ATEX gas explosion protection   | Ex II 2 G Ex db eb IIC T6 Gb   |
| ATEX dust certificate           | PTB 03 ATEX 1227   |
| ATEX dust explosion protection  | Ex II 2 D Ex tb IIIC T80 °C Db   |
| Marking FMus                    | Class I, Zones 1 & 2 AEx de IIC T6<br>Class I, Division 2, Groups A,B,C,D<br>Class II, Division 1 & 2, Groups E,F,G<br>Class III |
| Marking cCSA                    | Class I, Zones 1 & 2 Ex de IIC T6<br>Class I, Division 2, Groups A,B,C,D<br>Class II, Division 1 & 2, Groups E,F,G<br>Class III  |
| Certificates                    | ATEX (PTB), IECEX (PTB), USA (FM)  |

### Electrical Data

|                           |                                   |
|---------------------------|-----------------------------------|
| Rated operational voltage | 480 V AC                          |
| Rated operational current | 20 A                              |
| Mechanical service life   | > 5x10 <sup>3</sup> mating cycles |

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## Electrical Data

|                 |             |
|-----------------|-------------|
| Type of voltage | Low voltage |
| Frequency range | 50 / 60 Hz  |

## Ambient Conditions

|                     |                    |
|---------------------|--------------------|
| Ambient temperature | -30 °C ... +55 °C  |
| Ambient temperature | -22 °F ... +131 °F |

## Mechanical Data

|  |   |
|--|---|
| IP degree of protection (IEC 60529)          | IP66  |
| IP degree of protection (IEC 60079)          | IP66  |
| Enclosure type (NEMA250)                     | 3, 4, 4X  |
| Enclosure material                           | Polyamide, Glass fibre reinforced                 |
| Silicone-free                                | Yes   |
| Finely stranded connection cross-section     | 1 x 1.5 mm <sup>2</sup> ... 1 x 4 mm <sup>2</sup> |
| Finely stranded connection cross-section AWG | 1 x AWG 16 ... 1 x AWG 12                         |
| Width  | 89 mm   |
| Width in inches                              | 3.5 in  |
| Height                                       | 89 mm   |
| Height, inches                               | 3.5 in  |
| Length                                       | 176 mm  |
| Length, inches                               | 6.93 in   |
| Impact strength (IEC 60079)                  | 7 J   |
| Impact strength (IEC 62262)                  | IK10  |
| Colour code                                  | Red   |
| Coding (clock hour position)                 | 7   |
| Series                                       | SolConeX  |
| Detailed number of poles                     | 3-pole, 4 conductors                              |
| Weight                                       | 0.3 kg  |
| Weight                                       | 0.66 lb   |

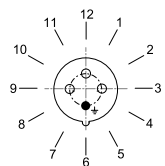
## Mounting / Installation

|            |                |
|------------|----------------|
| Connection | Screw terminal |
|------------|----------------|

## Components

|                     |                |
|---------------------|----------------|
| Cable diameter      | 8 – 18 mm      |
| Cable diameter inch | 0.31 – 0.71 in |

## Technical Drawings – Subject to Alterations



Position of clock hour position  
Example: 6 h position

# Installation Equipment

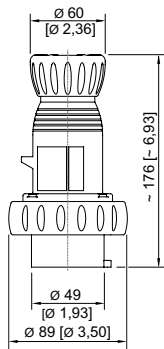
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Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations

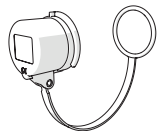


4-pole plug

## Accessories

Protective cap for plug series 8570

Art. No.



4-pole

150510

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.