



- 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
- Variants for use in USA/Canada available on request

#### MY R. STAHL 8570P



The R. STAHL 8570/12 series SolConeX plugs for Zone 1/21 are 3-, 4- or 5-pole versions up to 16 A. 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.

Further product options available:

- Further voltage ranges according to EN 60309
- Silicone-free versions

## Technical Data

### Explosion Protection

|                                 |                                                                                               |
|---------------------------------|-----------------------------------------------------------------------------------------------|
| Area of application             | European Union (ATEX)<br>IECEx                                                                |
| Area of application Note        | Other country markings available on request                                                   |
| 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   | Ex II 2 G Ex eb IIC T6 ... T5 Gb                                                              |
| ATEX dust certificate           | PTB 19 ATEX 1006 X                                                                            |
| ATEX dust explosion protection  | Ex II 2 D Ex tb IIIC T75 °C Db                                                                |
| Certificates                    | ATEX (PTB), Brazil (ULB), China (CQST), IECEx (PTB), India (PESO), Korea (KGS), Taiwan (ITRI) |
| Ship approval                   | DNV                                                                                           |
| Declaration of conformity       | ATEX (EUK)                                                                                    |

### Electrical Data

|                                |                                                                 |
|--------------------------------|-----------------------------------------------------------------|
| Type of voltage                | Low voltage                                                     |
| AC rated operational voltage   | 600 ... 690 V AC                                                |
| Rated operational current      | 16 A                                                            |
| Rated operational current      | 16 A                                                            |
| Rated operational current note | Usable for up to 20 A depending on the connection cross-section |
| Mechanical service life        | > 5x10 <sup>3</sup> mating cycles                               |
| Frequency range                | 50 / 60 Hz                                                      |

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### 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 material                           | Polyamide, Glass fibre reinforced                 |
| Silicone-free                                | No                                                |
| 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                         |
| Detailed number of poles                     | 3 P + PE                                          |
| Width                                        | 89 mm                                             |
| Width, inches                                | 3.5 in                                            |
| Height                                       | 89 mm                                             |
| Height in inches                             | 3.5 in                                            |
| Length                                       | 176 mm                                            |
| Length in inches                             | 6.93 in                                           |
| Impact strength (IEC 60079)                  | 7 J                                               |
| Impact strength (IEC 62262)                  | IK10                                              |
| Colour code                                  | Black                                             |
| Coding (clock hour position)                 | 5                                                 |
| Series                                       | SolConeX                                          |
| Weight                                       | 384 g                                             |
| Weight                                       | 0.85 lb                                           |

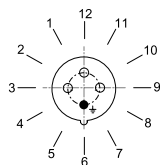
### Mounting / Installation

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

### Components

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

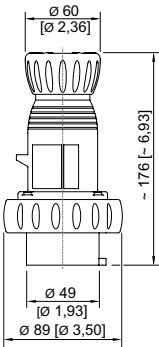
### Technical Drawings – Subject to Alterations



Position of clock hour position  
Example: 6 h position

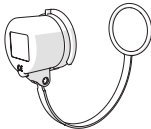
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Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations



4-pole plug

Accessories

| Protective cap for Series 8570 plug                                              |        | 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.