



- 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 8571P



The R. STAHL 8571/12 series SolConeX plugs for Zone 1/21 are 4- or 5-pole versions up to 32 A. They can be plugged and unplugged easily and simply 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 20.0003X                                                                            |
| IECEX gas explosion protection  | Ex eb IIC T6 ... T5 Gb                                                                        |
| IECEX dust certificate          | IECEX PTB 20.0003X                                                                            |
| IECEX dust explosion protection | Ex tb IIIC T81 °C Db                                                                          |
| ATEX gas certificate            | PTB 20 ATEX 1003 X                                                                            |
| ATEX gas explosion protection   | Ex II 2 G Ex eb IIC T6 ... T5 Gb                                                              |
| ATEX dust certificate           | PTB 20 ATEX 1003 X                                                                            |
| ATEX dust explosion protection  | Ex II 2 D Ex tb IIIC T81 °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 | 200 ... 250 V AC                  |
| Rated operational current    | 32 A                              |
| Mechanical service life      | > 5x10 <sup>3</sup> mating cycles |
| Frequency range              | 50 / 60 Hz                        |

#### Ambient Conditions

|                     |                  |
|---------------------|------------------|
| Ambient temperature | -50 °C to +65 °C |
|---------------------|------------------|

8571/12-409-S-XX-X-XX-XXX Art. No. 275689

### Ambient Conditions

|                          |                                                          |
|--------------------------|----------------------------------------------------------|
| 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 2.5 mm <sup>2</sup> ... 1 x 10 mm <sup>2</sup> |
| Finely stranded connection cross-section AWG | 1 x AWG 14 ... 1 x AWG 8                           |
| Detailed number of poles                     | 3 P + PE                                           |
| Width                                        | 99 mm                                              |
| Width, inches                                | 3.9 in                                             |
| Height                                       | 99 mm                                              |
| Height in inches                             | 3.9 in                                             |
| Length                                       | 204 mm                                             |
| Length in inches                             | 8.03 in                                            |
| Impact strength (IEC 60079)                  | 7 J                                                |
| Impact strength (IEC 62262)                  | IK10                                               |
| Colour code                                  | Blue                                               |
| Coding (clock hour position)                 | 9                                                  |
| Series                                       | SolConeX                                           |
| Weight                                       | 500 g                                              |
| Weight                                       | 1.1 lb                                             |

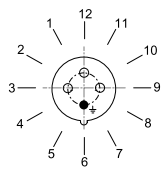
### Mounting / Installation

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

### Components

|                     |                |
|---------------------|----------------|
| Cable diameter      | 13 – 25 mm     |
| Cable diameter inch | 0.51 – 0.98 in |

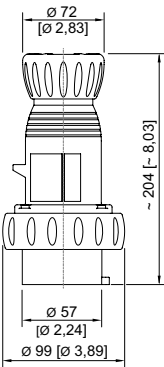
### Technical Drawings – Subject to Alterations



Position of clock hour position  
Example: 6 h position

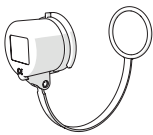
8571/12-409-S-XX-X-XX-XXX    Art. No. 275689

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



4-pole plug

Accessories

| Protective cap for Series 8571 plug                                               |        | Art. No. |
|-----------------------------------------------------------------------------------|--------|----------|
|  | 4-pole | 150856   |

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.