

# Installation equipment

## 16 A compact flange socket Extra-low voltage

### Flange socket

8573/15-210 Art. No. 241387



- Zones 1, 2, 21 and 22, degree of protection IP66, extreme temperature range of -50 to +60 °C
- Full AC-3 switching capacity according to IEC/EN 60947-3
- Wear-free contacts protected against corrosion, even in a corrosive atmosphere

MY R. STAHL 8573A



R. STAHL Series 8573/15 16 A flange sockets are suitable for 2- or 3-pole applications up to voltages of 50 V. Self-cleaning lamellar contacts provide optimum contact. The integrated rotary switch mechanism and the integrated locking device reliably prevent disconnection under load.

## Technical Data

### Explosion Protection

|                                 |                                       |
|---------------------------------|---------------------------------------|
| Area of application             | European Union (ATEX)<br>IECEX        |
| Application range (zones)       | 1, 2, 21, 22                          |
| IECEX gas certificate           | IECEX PTB 16.0030U                    |
| IECEX gas explosion protection  | Ex db eb IIC Gb                       |
| IECEX dust certificate          | IECEX PTB 16.0030U                    |
| IECEX dust explosion protection | Ex tb IIIC Db                         |
| ATEX gas certificate            | PTB 16 ATEX 1018 U                    |
| ATEX gas explosion protection   | ⊕ II 2 G Ex db eb IIC Gb              |
| ATEX dust certificate           | PTB 16 ATEX 1018 U                    |
| ATEX dust explosion protection  | ⊕ II 2 D Ex tb IIIC Db                |
| Certificates                    | ATEX (PTB), China (CQST), IECEX (PTB) |

### Electrical Data

|                              |                                      |
|------------------------------|--------------------------------------|
| Rated operational voltage AC | 20 ... 25 V DC                       |
| Rated operational current    | 3 A                                  |
| Electrical service life      | > 5x10 <sup>3</sup> switching cycles |
| Mechanical service life      | > 5x10 <sup>3</sup> switching cycles |
| Type of voltage              | Extra-low voltage                    |

### Device Specific Data

|   |         |
|---|---------|
| Back-up fuse with thermal protection    | 35 A gG |
| Back-up fuse without thermal protection | 16 A gG |

### Ambient Conditions

|                     |  |
|---------------------|--|
| Ambient temperature | -50 °C ... +40 °C<br>-50 °C ... +60 °C   |
| Ambient temperature | -58 °F ... +104 °F<br>-58 °F ... +140 °F |

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#### Ambient Conditions

|                          |  |
|--------------------------|--|
| Ambient temperature note | 16 A: -50 to +40 °C  |
|                          | 12 A: -50 to +55 °C  |
|                          | 10 A: -50 to +60 °C  |
|                          | Silicone is used as a sealing material for variants with an ambient temperature of -50 °C. |

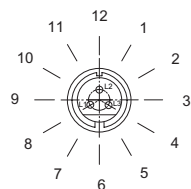
#### Mechanical Data

|  |  |
|--|--|
| IP degree of protection (IEC 60529)          | IP66   |
| IP degree of protection (IEC 60079)          | IP64   |
| Enclosure material                           | Polyamide, Glass fibre reinforced                  |
| Silicone-free                                | No   |
| Solid connection cross-section               | 1 x 0.75 mm <sup>2</sup> ... 2 x 4 mm <sup>2</sup> |
| Connection cross-section AWG single stranded | 1 x AWG 18 ... 2 x AWG 10                          |
| Finely stranded connection cross-section     | 1 x 0.75 mm <sup>2</sup> ... 2 x 4 mm <sup>2</sup> |
| Finely stranded connection cross-section AWG | 1 x AWG 18 ... 2 x AWG 10                          |
| Width  | 78 mm  |
| Width, inches                                | 3.07 in  |
| Height                                       | 82 mm  |
| Height in inches                             | 3.21 in  |
| Length                                       | 141 mm   |
| Length in inches                             | 5.55 in  |
| Impact strength (IEC 60079)                  | 7 J  |
| Impact strength (IEC 62262)                  | IK10   |
| Colour code                                  | Violet   |
| Coding (clock hour position)                 | 10   |
| Series                                       | SolConeX   |
| Detailed number of poles                     | 2 P  |
| Weight                                       | 300 g  |
| Weight                                       | 0.66 lb  |

#### Mounting / Installation

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

#### Technical Drawings – Subject to Alterations



Position of clock hour position  
Example: 6 h position

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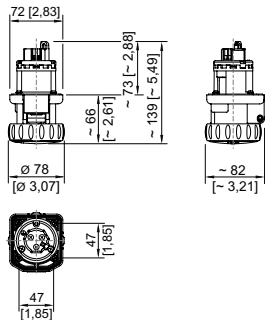
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## Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations



3-pole flange socket

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.