

# Installation Equipment

## Flange socket 16 A compact Extra-low voltage



8573/15-303 Art. No. 241375



- Zones 1, 2, 21, 22, degree of protection IP66, extreme temperature range of  $-50 \dots +60 \text{ }^{\circ}\text{C}$
- Full AC-3 switching capacity according to IEC/EN 60947-3
- Wear-free, corrosion-resistant contacts even in aggressive atmosphere

WebCode **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 mechanism prevent disconnection under load.

### Technical Data

#### Explosion Protection

|                                 |                                       |
|---------------------------------|---------------------------------------|
| Scope of validity               | European Union (ATEX)<br>IECEX        |
| Application range (zones)       | 1<br>2<br>21<br>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 to 25 & 40 to 50 V AC           |
| Rated operational current    | 3 A                                |
| Electrical service life      | $> 5 \times 10^3$ switching cycles |
| Mechanical service life      | $> 5 \times 10^3$ switching cycles |
| Type of voltage              | Extra-low voltage                  |
| Frequency range              | 400 Hz                             |

#### 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 | $-50 \text{ }^{\circ}\text{C} \dots +40 \text{ }^{\circ}\text{C}$<br>$-50 \text{ }^{\circ}\text{C} \dots +60 \text{ }^{\circ}\text{C}$ |
|---------------------|--|

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### Ambient Conditions

|                     |  |
|---------------------|--|
| Ambient temperature | -58 °F ... +104 °F<br>-58 °F ... +140 °F |
|---------------------|--|

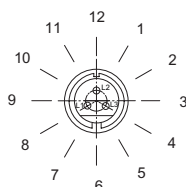
### Mechanical Data

|  |  |
|--|--|
| Degree of protection note                    | according to IEC/EN 60529                          |
| 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 in inches                              | 3.07 in  |
| Height                                       | 82 mm  |
| Height, inches                               | 3.21 in  |
| Length                                       | 141 mm   |
| Length, inches                               | 5.55 in  |
| Impact strength (IEC 60079)                  | 7 J  |
| Impact strength (IEC 62262)                  | IK10   |
| Colour code                                  | Green  |
| Coding (clock hour position)                 | 3  |
| Series                                       | SolConeX   |
| Detailed number of poles                     | 3 P  |
| Weight                                       | 0.3 kg   |
| Weight                                       | 0.66 lb  |

### Mounting / Installation

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

### Technical Drawings – Subject to Alterations



Clock hour position  
Example: 6h position

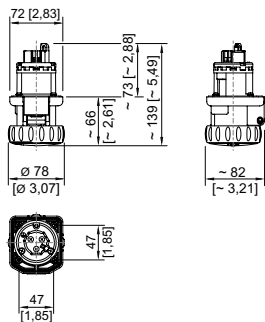
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### Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations



Flange socket 3-pole

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.