

Installation equipment

Flange socket 16 A compact 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

| | |
|---------------------------------|---------------------------------------|
| Scope of validity | European Union (ATEX) 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 to 25 V DC |
| Rated operational current | 3 A |
| Electrical service life | > 5x10 ³ switching cycles |
| Mechanical service life | > 5x10 ³ 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 -50 °C ... +60 °C |
| Ambient temperature | -58 °F ... +104 °F -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. |
|--------------------------|---|

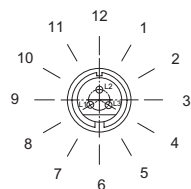
Mechanical Data

| | |
|--|--|
| Degree of protection IP (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 ² ... 2 x 4 mm ² |
| Connection cross-section AWG single stranded | 1 x AWG 18 ... 2 x AWG 10 |
| Finely stranded connection cross-section | 1 x 0.75 mm ² ... 2 x 4 mm ² |
| 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 | 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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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.