

# Installation equipment

## 16 A compact flange socket Extra-low voltage

### Flange socket

8573/15-203 Art. No. 241382



- 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) 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 & 40 ... 50 V AC
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
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 °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.
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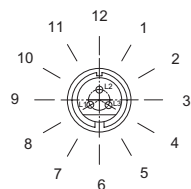
#### Mechanical Data

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	Green
Coding (clock hour position)	3
Series	SolConeX
Detailed number of poles	2 P
Weight	300 g
Weight	0.66 lb

#### Mounting / Installation

Connection	Screw terminal
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#### Technical Drawings – Subject to Alterations



Position of clock hour position  
Example: 6 h position

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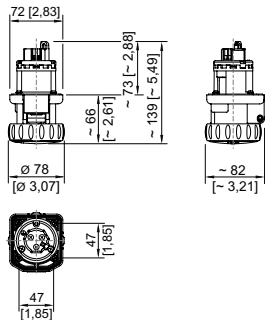
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## Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations



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.