

# Installation equipment

## Plug 16 A Extra-low voltage

Plug

8573/12-311 Art. No. 243194



- Wide temperature range for use
- High mechanical impact and shock resistance
- Perfect protection against the ingress of liquids and dust
- 3D data available to download from the website

MY R. STAHL 8573D



The new R. STAHL Series 8573/12 plugs are designed for 2- or 3-pole applications up to 16 A. The robust plastic plugs are resistant to corrosive chemicals and gases. The floating pins allow them to be inserted and removed quickly and easily. The inner, pivoting strain relief makes it easier to install the cables quickly. Corrosion-free contact pins made from high-quality materials ensure optimum electrical contact.

The new Series 8573/12 plug replaces the plug Series 8575, is 100% compatible with this Series and can be used with Series 8575 sockets.

## Technical Data

### Explosion Protection

Scope of validity	European Union (ATEX) IECEX China (CQST)
Application range (zones)	1 2 21 22
IECEX gas certificate	IECEX PTB 16.0029
IECEX gas explosion protection	Ex eb IIC T6 Gb
IECEX dust certificate	IECEX PTB 16.0029
IECEX dust explosion protection	Ex tb IIIC T70 °C Db
ATEX gas certificate	PTB 16 ATEX 1017
ATEX gas explosion protection	⊕ II 2 G Ex eb IIC T6 Gb
ATEX dust certificate	PTB 16 ATEX 1017
ATEX dust explosion protection	⊕ II 2 D Ex tb IIIC T70 °C Db
Certificates	ATEX (PTB), China (CQST), IECEX (PTB)
Declaration of Conformity	ATEX (EUK), China (CCC)
Explosion protection note	Product label may vary. Series devices have certification according to ATEX and IECEX.

### Electrical Data

Rated operational voltage	20 to 25 & 40 to 50 V AC
Rated operational current	min. 12 A / max. 3 A
Mechanical service life	> 5x10 <sup>3</sup> mating cycles
Type of voltage	Extra-low voltage
Frequency range	> 400 – 500 Hz

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### Ambient Conditions

Ambient temperature	-50 °C ... +40 °C (3 A) -50 °C ... +60 °C (12 A)
Ambient temperature	-58 °F ... +104 °F (3 A) -58 °F ... +140 °F (12 A)
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
Silicone-free note	Optional: Silicone-free variant available on request (ambient temperature -40 °C to +60 °C)
Finely stranded connection cross-section	1 x 0.75 mm <sup>2</sup> ... 1 x 10 mm <sup>2</sup>
Finely stranded connection cross-section AWG	1 x AWG 18 ... 1 x AWG 8
Width	78 mm
Width in inches	3.07 in
Height	78 mm
Height, inches	3.07 in
Length	166 mm
Length, inches	6.54 in
Impact strength (IEC 60079)	7 J
Impact strength (IEC 62262)	IK10
Colour code	Green
Coding (clock hour position)	11
Series	SolConeX
Detailed number of poles	3 P
Weight	300 g
Weight	0.66 lb

### Mounting / Installation

Connection	Screw terminal
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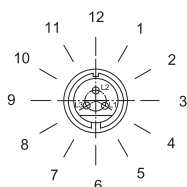
### Components

Cable diameter	8 – 15 mm
Cable diameter inch	0.31 – 0.59 in

### Technical Drawings – Subject to Alterations



3 P



Position of clock hour position  
Example: 6 h position

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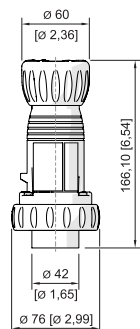
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### Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations



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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.