

# Installation equipment

## 16 A plug Extra-low voltage



8573/12-204 Art. No. 243200



- Large temperature range of use
- High mechanical impact and shock resistance
- Perfect protection against penetration of liquids and dusts
- 3D data for download on 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 connect the wires quickly. Corrosion-free contact pins made from high-quality materials ensure optimum electrical contact.

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

## Technical Data

### Explosion Protection

|                                 |                                                                          |
|---------------------------------|--------------------------------------------------------------------------|
| Area of application             | European Union (ATEX)<br>IECEX<br>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 are labelled with ATEX and IECEX. |

### Electrical Data

|                           |                                   |
|---------------------------|-----------------------------------|
| Rated operational voltage | 20 ... 25 & 40 ... 50 V AC        |
| Rated operational current | 12 A                              |
| Rated operational current | min. 3 A / max. 12 A              |
| Mechanical service life   | > 5x10 <sup>3</sup> mating cycles |
| Type of voltage           | Extra-low voltage                 |
| Frequency range           | 100 – 200 Hz                      |

### Ambient Conditions

|                     |                                                |
|---------------------|------------------------------------------------|
| Ambient temperature | -50 °C ... 40 °C (3 A)<br>-50 °C ... 60 (12 A) |
|---------------------|------------------------------------------------|

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**STAHL**

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**Ambient Conditions**

|                          |                                                          |
|--------------------------|----------------------------------------------------------|
| Ambient temperature      | -58 °F ... +104 °F (3 A)<br>-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, inches                                | 3.07 in                                                                                     |
| Height                                       | 78 mm                                                                                       |
| Height in inches                             | 3.07 in                                                                                     |
| Length                                       | 166 mm                                                                                      |
| Length in inches                             | 6.54 in                                                                                     |
| Impact strength (IEC 60079)                  | 7 J                                                                                         |
| Impact strength (IEC 62262)                  | IK10                                                                                        |
| Colour code                                  | Green                                                                                       |
| Coding (clock hour position)                 | 4                                                                                           |
| Series                                       | SolConeX                                                                                    |
| Detailed number of poles                     | 2 P                                                                                         |
| Weight                                       | 300 g                                                                                       |
| Weight                                       | 0.66 lb                                                                                     |

**Mounting / Installation**

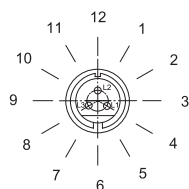
|            |                |
|------------|----------------|
| Connection | Screw terminal |
|------------|----------------|

**Components**

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

**Technical Drawings – Subject to Alterations**

2 P



Position of clock hour position  
Example: 6 h position

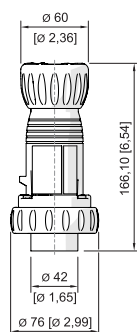
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### Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations



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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.