

# Installation equipment

## 16 A compact wall-mounting socket Extra-low voltage



8573/13-300 Art. No. 241380



- Compact design
- 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 8573B



The sockets of the new R. STAHL Series 8573/13 are for 2- or 3-pole applications up to 16 A. The compact sockets for extra-low voltages up to 50 V are made from robust and chemical-resistant plastics. Self-cleaning lamellar contacts provide optimum contact. The integrated rotary switch mechanism and the integrated locking device reliably prevent the plugs from disconnecting under load.

The new Series 8573/13 compact socket replaces Series 8575 sockets, is 100% compatible with this series and can be used with Series 8575 plugs.

## 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 db 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 db 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), 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

|                              |                                      |
|------------------------------|--------------------------------------|
| Type of voltage              | Extra-low voltage                    |
| AC rated operational voltage | 20 ... 25 V AC                       |
| Rated operational current    | max. 16 A                            |
| Rated operational current    | 16 A                                 |
| Electrical service life      | > 5x10 <sup>3</sup> switching cycles |
| Mechanical service life      | > 5x10 <sup>3</sup> switching cycles |
| Frequency range              | 50 / 60 Hz                           |

### Device Specific Data

|                                      |         |
|--------------------------------------|---------|
| Back-up fuse with thermal protection | 35 A gG |
|--------------------------------------|---------|

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**STAHL**

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**Device Specific Data**

|                                         |         |
|-----------------------------------------|---------|
| Back-up fuse without thermal protection | 16 A gG |
|-----------------------------------------|---------|

**Ambient Conditions**

|                          |                                                          |
|--------------------------|----------------------------------------------------------|
| Ambient temperature      | -50 °C to +60 °C                                         |
| Ambient temperature      | -58 °F to +140 °F                                        |
| 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) |
| 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 12                                                                   |
| 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 12                                                                   |
| Detailed number of poles                     | 3 P                                                                                         |
| Width                                        | 106 mm                                                                                      |
| Width, inches                                | 4.17 in                                                                                     |
| Height                                       | 138 mm                                                                                      |
| Height in inches                             | 5.43 in                                                                                     |
| Length                                       | 180 mm                                                                                      |
| Length in inches                             | 7.08 in                                                                                     |
| Impact strength (IEC 60079)                  | 7 J                                                                                         |
| Colour code                                  | Violet                                                                                      |
| Coding (clock hour position)                 | 0                                                                                           |
| Series                                       | SolConeX                                                                                    |
| Weight                                       | 300 g                                                                                       |
| Weight                                       | 0.66 lb                                                                                     |

**Mounting / Installation**

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

**Components**

|                              |                                                                                                                                                    |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| Cable entry note             | Entry 1: Bottom left<br>Entry 2: Bottom right                                                                                                      |
| Sopping plug note            | When used in an application range of < -40 °C, the seal is only intended for one-time installation.<br>Replace the seal before installing it again |
| Entry 1 model                | 8161/7-M25-1707-LT                                                                                                                                 |
| Entry 1 type                 | Polyamide cable gland                                                                                                                              |
| Entry 1                      | M25 x 1.5                                                                                                                                          |
| Entry 1 clamping range       | 7 – 17 mm                                                                                                                                          |
| Entry 1 clamping range, inch | 0.28 – 0.67 in                                                                                                                                     |
| Metal entry possible 1       | No                                                                                                                                                 |
| Entry 2 model                | 8290/3-M25                                                                                                                                         |

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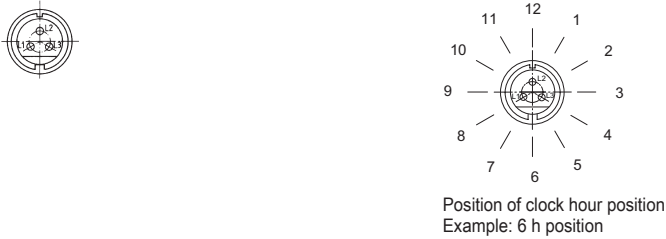


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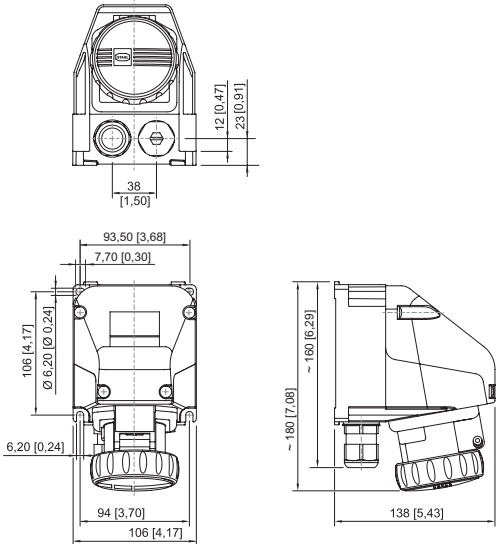
Components

|                        |                         |
|------------------------|-------------------------|
| Entry 2 type           | Polyamide stopping plug |
| Entry 2                | M25 x 1.5               |
| Metal entry possible 2 | No                      |

Technical Drawings – Subject to Alterations



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

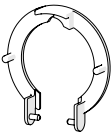


Compact wall-mounting socket, extra-low voltage

Accessories

Dust cover for socket, compact, extra-low voltage, Series 8573/13

Art. No.



Retrofittable dust protection for 2/3-pole sockets

257439

Plug

Art. No.



8573/12-300 3-pole, 20 to 25 V, 50 / 60 Hz, 16 A

243190

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.