

# Installation equipment

16 A flange socket

Flange socket

8570/15-506-S-XX-X-00-XXX Art. No. 272848



- Different voltage ranges according to EN 60309
- Large temperature range of use
- Small dimensions for integration into machines and connection chambers
- High mechanical impact and shock resistance
- Perfect protection against penetration of liquids and dusts
- 3D data for download on the website
- Variants for use in USA/Canada available on request

## MY R. STAHL 8570R



The R. STAHL 8570/15 series SolConeX flange sockets for zone 1/21 in 3-, 4- and 5-pole versions have full AC-3 switching capacity up to 16 A. Self-cleaning lamellar contacts provide optimum contact and the plugs can be inserted and removed in the zero position quickly and easily. The load disconnect switch, with mechanical locking device and a handle that can be locked in the 0 or I position, is an additional safety feature.

Thanks to the compact structure, the flange socket can be integrated into nearly all enclosures and, with the internal locking device, provides a fast and safe connection of devices.

## Technical Data

### Explosion Protection

|                                 |                                                                  |
|---------------------------------|------------------------------------------------------------------|
| Area of application             | European Union (ATEX)<br>IECEx                                   |
| Area of application Note        | Other country markings available on request                      |
| Application range (zones)       | 1, 2, 21, 22                                                     |
| IECEx gas certificate           | IECEx PTB 19.0018U                                               |
| IECEx gas explosion protection  | Ex db eb IIC Gb                                                  |
| IECEx dust certificate          | IECEx PTB 19.0018U                                               |
| IECEx dust explosion protection | Ex tb IIIC Db                                                    |
| ATEX gas certificate            | PTB 19 ATEX 1005 U                                               |
| ATEX gas explosion protection   | Ex II 2 G Ex db eb IIC Gb                                        |
| ATEX dust certificate           | PTB 19 ATEX 1005 U                                               |
| ATEX dust explosion protection  | Ex II 2 D Ex tb IIIC Db                                          |
| Certificates                    | ATEX (PTB), Brazil (ULB), China (CQST), IECEx (PTB), Korea (KGS) |
| Ship approval                   | DNV                                                              |

### Electrical Data

|                                |                                                                                       |
|--------------------------------|---------------------------------------------------------------------------------------|
| Type of voltage                | Low voltage                                                                           |
| Rated operational voltage      | 200/346 ... 240/415 V AC                                                              |
| Rated operational current      | 16 A                                                                                  |
| Rated operational current note | Usable for up to 20 A depending on the connection cross-section                       |
| Electrical service life        | > 5x10 <sup>3</sup> switching cycles                                                  |
| Mechanical service life        | > 5x10 <sup>3</sup> switching cycles                                                  |
| Utilisation category           | AC-3: 690 V / 16 A<br>AC-3: 500 V / 20 A<br>DC-1: 110 V / 16 A<br>UL508: 600 V / 20 A |

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#### Electrical Data

|                                  |                                                                            |
|----------------------------------|----------------------------------------------------------------------------|
| Switching capacity main contacts | 4 kW: 200 to 250 V AC<br>7.5 kW: 380 to 500 V AC<br>11 kW: 600 to 690 V AC |
| Frequency range                  | 50 / 60 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 to +65 °C                                         |
| Ambient temperature      | -58 °F to +149 °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                                                |
| Solid connection cross-section               | 1 x 1.5 mm <sup>2</sup> ... 2 x 6 mm <sup>2</sup> |
| Connection cross-section AWG single stranded | 1 x AWG 16 ... 2 x AWG 10                         |
| Finely stranded connection cross-section     | 1 x 1.5 mm <sup>2</sup> ... 2 x 4 mm <sup>2</sup> |
| Finely stranded connection cross-section AWG | 1 x AWG 16 ... 2 x AWG 12                         |
| Detailed number of poles                     | 3 P + N + PE                                      |
| Width                                        | 97 mm                                             |
| Width, inches                                | 3.82 in                                           |
| Height                                       | 136 mm                                            |
| Height in inches                             | 5.35 in                                           |
| Length                                       | 208 mm                                            |
| Length in inches                             | 8.19 in                                           |
| Impact strength (IEC 60079)                  | 7 J                                               |
| Impact strength (IEC 62262)                  | IK10                                              |
| Colour code                                  | Red                                               |
| Coding (clock hour position)                 | 6                                                 |
| Lockable in                                  | in 0- and I-position                              |
| Interlock                                    | Prevents the plug from being pulled under load    |
| Series                                       | SolConeX                                          |
| Weight                                       | 1 kg                                              |
| Weight                                       | 2.2 lb                                            |

#### Mounting / Installation

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

Installation equipment

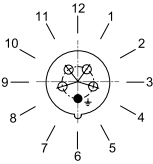
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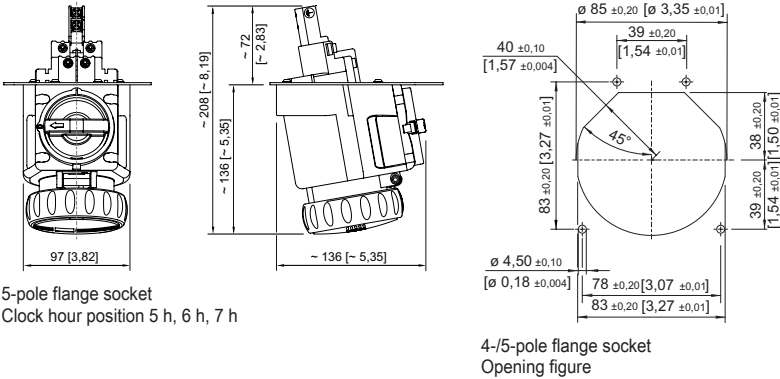


Technical Drawings – Subject to Alterations

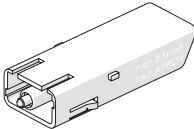
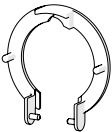


Position of clock hour position  
Example: 6 h position

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



Accessories

| Auxiliary contact optional, pluggable by the user, easy to retrofit                |                                                                                                                        | Art. No. |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|----------|
|  | 1 NC<br>Max. 500 V AC, max. 110 V DC<br>Max. 6 A<br>1 x 0.5 to 2 x 2.5 mm², solid/finely stranded                      | 150680   |
|                                                                                    | 1 NC, gold-plated contact<br>Max. 500 V AC, max. 110 V DC<br>Max. 6 A<br>1 x 0.5 to 2 x 2.5 mm², solid/finely stranded | 150684   |
|                                                                                    | 1 NO<br>Max. 500 V AC, max. 110 V DC<br>Max. 6 A<br>1 x 0.5 to 2 x 2.5 mm², solid/finely stranded                      | 150682   |
|                                                                                    | 1 NO, gold-plated contact<br>Max. 500 V AC, max. 110 V DC<br>Max. 6 A<br>1 x 0.5 to 2 x 2.5 mm², solid/finely stranded | 150686   |
| Dust cover for sockets, series 8570                                                |                                                                                                                        | Art. No. |
|  | Retrofittable dust protection for 5-pole sockets                                                                       | 255004   |

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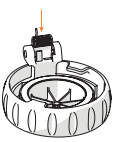
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Spare Parts

| Repair set for Series 8570 sockets                                               |                                           | Art. No. |
|----------------------------------------------------------------------------------|-------------------------------------------|----------|
|  | Repair set 8570 hinged cover, 5-pole, red | 274108   |

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.