

Installation Equipment

Wall-mounting socket 16 A



8570/11-506 Art. No. 150494



- Optional: Pluggable, easily retrofittable Ex e or Ex i auxiliary contacts for control and signalling purposes
- Motor switching capacity AC-3 as per IEC/EN 60947-3
- Variants for use in the USA/Canada available on request
- 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

WebCode **8570A**



R. STAHL Series 8570/11 SolConeX sockets for Zone 1/21 in a 3-, 4- and 5-pole version have full AC-3 switching capacity up to 16 A. The high degree of protection IP66 guarantees the highest level of protection against the penetration of dust and water in any application position. 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.

Technical Data

Explosion Protection

| | |
|---------------------------------|--|
| Scope of validity | European Union (ATEX) IECEX |
| Application range (zones) | 1 2 21 22 |
| IECEX gas certificate | IECEX PTB 05.0023 |
| IECEX gas explosion protection | Ex db eb IIC T6 Gb |
| IECEX dust certificate | IECEX PTB 05.0023 |
| IECEX dust explosion protection | Ex tb IIIC T80 °C Db |
| ATEX gas certificate | PTB 03 ATEX 1227 |
| ATEX gas explosion protection | ⊕ II 2 G Ex db eb IIC T6 Gb |
| ATEX dust certificate | PTB 03 ATEX 1227 |
| ATEX dust explosion protection | ⊕ II 2 D Ex tb IIIC T80 °C Db |
| Certificates | ATEX (PTB), IECEX (PTB), Korea (KGS), Taiwan (ITRI) |
| Explosion protection note | Product label may vary. Series devices have certification according to ATEX and IECEX. |

Electrical Data

| | |
|----------------------------------|--|
| Rated operational voltage | 200/346 to 240/415 V AC |
| Rated operational current | 16 A |
| Rated operational current note | Optional up to 20 A |
| Electrical service life | > 5x10 ³ switching cycles |
| Mechanical service life | > 5x10 ³ switching cycles |
| Type of voltage | Low voltage |
| Switching capacity main contacts | 4 kW: 220 / 230 / 240 V 7.5 kW: 380 / 400 / 415 / 500 V 11 kW: 600 / 690 V |

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Electrical Data

| | |
|-----------------|------------|
| 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 | -30 °C ... +55 °C (T6, 16 A) |
| Ambient temperature | -22 °F ... +131 °F (T6, 16 A) |

Mechanical Data

| | |
|--|---|
| IP degree of protection (IEC 60529) | IP66 |
| IP degree of protection (IEC 60079) | IP66 |
| Enclosure material | Polyamide, Glass fibre reinforced |
| Silicone-free | Yes |
| Solid connection cross-section | 1 x 1.5 mm ² ... 2 x 6 mm ² |
| Connection cross-section AWG single stranded | 1 x AWG 16 ... 2 x AWG 10 |
| Finely stranded connection cross-section | 1 x 1.5 mm ² ... 2 x 4 mm ² |
| Finely stranded connection cross-section AWG | 1 x AWG 16 ... 2 x AWG 12 |
| Width | 115 mm |
| Width in inches | 4.53 in |
| Height | 180 mm |
| Height, inches | 7.08 in |
| Length | 247 mm |
| Length, inches | 9.73 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 | 4-pole switch 2 optional auxiliary contacts (ON - delayed, OFF - advanced) |
| Series | SolConeX |
| Detailed number of poles | 3 P + N + PE |
| Weight | 1.45 kg |
| Weight | 3.2 lb |

Mounting / Installation

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

Components

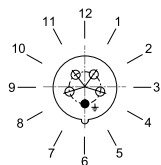
| | |
|------------------------------|---|
| Cable entry note | Entry 1: Lower left Entry 2: Lower right |
| Entry 1 model | 8161/7-M25-1707 |
| Entry 1 type | Polyamide cable gland |
| Entry 1 | M25 x 1.5 |
| Entry 1 terminal area | 7 – 17 mm |
| Entry 1 clamping range, inch | 0.28 – 0.67 in |

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Components

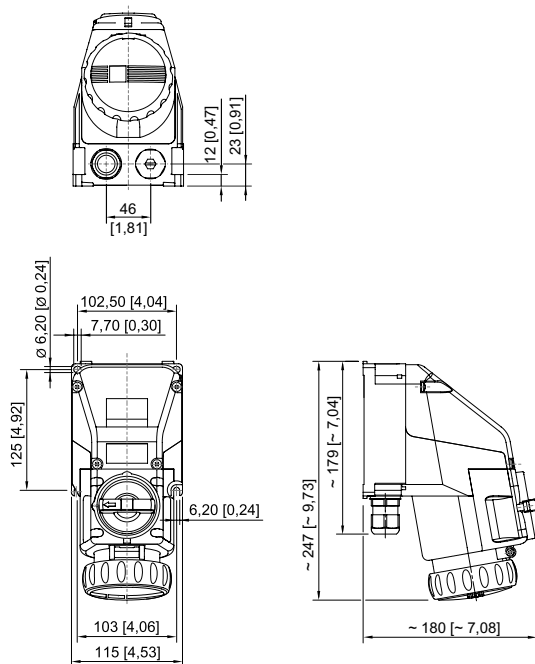
| | |
|------------------------|-------------------------|
| Metal entry possible 1 | No |
| Entry 2 model | 8290/3-M25 |
| Entry 2 type | Polyamide stopping plug |
| Entry 2 | M25 x 1.5 |
| Metal entry possible 2 | No |

Technical Drawings – Subject to Alterations



Position of clock hour position
Example: 6 h position

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



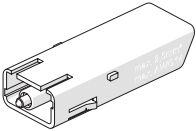
4-pole/5-pole wall-mounting socket

Accessories

Auxiliary contact optional, can be connected by the user, easy to retrofit

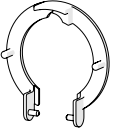
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| | | |
|--|---|--------|
|  | 1 NC max. 500 V AC, max. 110 V DC max. 6 A 1 x 0.5 to 2 x 2.5 mm ² solid/finely stranded | 150680 |
| | 1 NC, gold-plated contact max. 500 V AC, max. 110 V DC max. 6 A 1 x 0.5 to 2 x 2.5 mm ² solid/finely stranded | 150684 |
| | 1 NO max. 500 V AC, max. 110 V DC max. 6 A 1 x 0.5 to 2 x 2.5 mm ² solid/finely stranded | 150682 |
| | 1 NO, gold-plated contact max. 500 V AC, max. 110 V DC max. 6 A 1 x 0.5 to 2 x 2.5 mm ² solid/finely stranded | 150686 |

Dust cover for 16 A sockets, series 8570

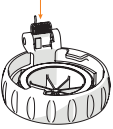
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| | | |
|---|--|--------|
|  | Retrofittable dust protection for 5-pole sockets | 255004 |
|---|--|--------|

Spare Parts

Repair set for 8570 series 16 A sockets

Art. No.

| | | |
|--|--|--------|
|  | 8570 5-pole hinged cover repair set, red | 274108 |
|--|--|--------|

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