

Installation Equipment

Wall-mounting socket 20 A



8570/21-407 Art. No. 150619



- Degree of protection IP66, extreme temperature range of -30 to +55 °C, usable worldwide
- Optional Ex e or Ex i auxiliary contacts for control and signaling purposes, further optional equipment
- With AC-3 motor switching capacity according to IEC/EN 60947-3

WebCode 8570F



R. STAHL Series 8570/21 SolConeX sockets for Zone 1/21 in a 3-,4- and 5-pole version have full AC-3 switching capacity up to 20 A. The high degree of protection IP66 guarantees the highest level of protection against the penetration of dust and/or 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) Canada IECEX USA |
| 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 |
| FMus certificate | 0R6A2.AX |
| Marking FMus | Class I, Div. 2, Groups A,B,C,D; Class II, III, Div. 1, Groups E,F,G; Enclosure Type 3, 4, 4X Class I, Zone 1, AEx d e IIC T6 |
| Certificate cCSA | LR 99480 |
| Certificates | ATEX (PTB), IECEX (PTB), USA (FM) |

Electrical Data

| | |
|---------------------------|--------------------------------------|
| Rated operational voltage | 480 V AC |
| Rated operational current | 20 A |
| Electrical service life | > 5x10 ³ switching cycles |

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Electrical Data

| | |
|-------------------------|--------------------------------------|
| Mechanical service life | > 5x10 ³ switching cycles |
| Type of voltage | Low voltage |
| Frequency range | 50 / 60 Hz |

Device Specific Data

| | |
|---|---------|
| Back-up fuse with thermal protection | 35 A gG |
| Back-up fuse without thermal protection | 20 A gG |

Ambient Conditions

| | |
|---------------------|------------------------------|
| Ambient temperature | -30 °C ... +55 °C (T6, 20 A) |
| Ambient temperature | -22 °F ... +131 °F (20 A) |

Mechanical Data

| | |
|--|---|
| IP degree of protection (IEC 60529) | IP66 |
| IP degree of protection (IEC 60079) | IP66 |
| Enclosure type (NEMA250) | 3, 4, 4X |
| Enclosure material | Polyamide, Glass fibre reinforced |
| Silicone-free | No |
| 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) | 7 |
| Lockable in | in 0- and I-position |
| Series | SolConeX |
| Detailed number of poles | 3-pole, 4 conductors |
| Weight | 0.5 kg |
| Weight | 1.1 lb |

Mounting / Installation

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

Components

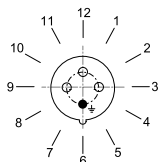
| | |
|------------------------|-------------------------------|
| Entry 1 model | 8166/11-02-N |
| Entry 1 type | Metal conduit hub |
| Entry 1 | NPT 3/4" |
| Metal entry possible 1 | Yes |
| Entry 2 model | Can be ordered as accessories |
| Entry 2 type | Polyamide stopping plug |

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Components

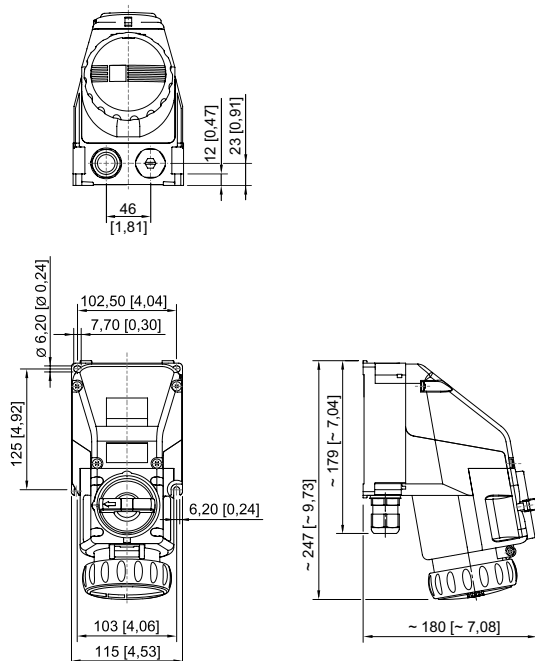
| | |
|------------------------|----------|
| Entry 2 | NPT 3/4" |
| Metal entry possible 2 | Yes |

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

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.