



- Different voltage ranges according to EN 60309
- Safe to transport in stainless steel carrying frame with large carrying handle, free-standing set-up on feet
- 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

E3

MY R. STAHL 8570S



The R. STAHL SolConeX 8570/16 series coupler sockets with switch socket are used to connect portable and stationary electrical equipment as well as cables and circuits in hazardous areas. Application range in Zone 1, 21 with full AC-3 switching capacity up to 16 A. With their stainless steel carrying frame with large carrying handle, they are easy to transport and can be positioned on the feet flexibly and securely.

Further product options available:

- Further voltage ranges according to EN 60309
- Silicone-free versions
- Customer-specific label plates
- Plates also in stainless steel

| | IECEX / ATEX | | | | | |
|-----------------|--------------|---|---|----|----|----|
| Zone | 0 | 1 | 2 | 20 | 21 | 22 |
| Installation in | | • | • | | • | • |

| Selection Table | | | | | | | | |
|---------------------|--------------------------|------------------------------|------------------------------|-------------|-----------------|---------------------------|----------|---------|
| Product Description | | Coupler socket 16 A | | | | | | |
| Figure | Detailed number of poles | Coding (clock hour position) | Rated operational voltage AC | Colour code | Frequency range | Product Type | Art. No. | Weight |
| | 1 P + N + PE | 4 | 100 to 130 V AC | Yellow | 50 / 60 Hz | 8570/16-304-S-26-X-XX-XXX | 274064 | 2.1 kg |
| | 2 P + PE | 6 | 200 to 250 V AC | Blue | 50 / 60 Hz | 8570/16-306-S-26-X-XX-XXX | 274065 | 2.1 kg |
| | 3 P + N + PE | 5 | 347/600 to 400/690 V AC | Black | 50 / 60 Hz | 8570/16-505-S-26-X-XX-XXX | 274048 | 2.45 kg |
| | | 6 | 200/346 to 240/415 V AC | Red | 50 / 60 Hz | 8570/16-506-S-26-X-XX-XXX | 274049 | 2.45 kg |
| | | 7 | 277/480 to 288/500 V AC | Black | 50 / 60 Hz | 8570/16-507-S-26-X-XX-XXX | 274050 | 2.45 kg |

Selection Table

| Product Description | | Coupler socket 16 A | | | | | | |
|---------------------|--------------------------|------------------------------|------------------------------|-------------|-----------------|---------------------------|----------|---------|
| Figure | Detailed number of poles | Coding (clock hour position) | Rated operational voltage AC | Colour code | Frequency range | Product Type | Art. No. | Weight |
| | 3 P + PE | 5 | 600 to 690 V AC | Black | 50 / 60 Hz | 8570/16-405-S-26-X-XX-XXX | 274061 | 2.35 kg |
| | | 6 | 380 to 415 V AC | Red | 50 / 60 Hz | 8570/16-406-S-26-X-XX-XXX | 274062 | 2.35 kg |
| | | 7 | 480 to 500 V AC | Black | 50 / 60 Hz | 8570/16-407-S-26-X-XX-XXX | 274063 | 2.35 kg |

Technical Data

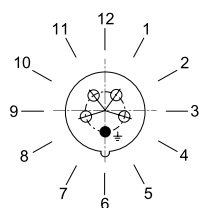
| Explosion Protection | |
|------------------------------------------|---------------------------------------------------------------------------------------|
| Scope of validity | European Union (ATEX) IECEX |
| Scope of validity Note | Other country markings available on request |
| IECEX gas explosion protection | Ex db eb IIC T6 ... T5 Gb |
| IECEX dust explosion protection | Ex tb IIIC T73 °C Db |
| ATEX gas explosion protection | Ⓔ II 2 G Ex db eb IIC T6 ... T5 Gb |
| ATEX dust explosion protection | Ⓔ II 2 D Ex tb IIIC T73 °C Db |
| Certificates | ATEX (PTB), Brazil (ULB), China (CQST), IECEX (PTB), India (PESO), Taiwan (ITRI) |
| Ship approval | DNV |
| Declaration of Conformity | ATEX (EUK), China (CCC) |
| Electrical Data | |
| Rated operational current | 16 A |
| Rated operational current note | Usable for up to 20 A depending on the connection cross-section |
| Utilisation category | AC-3: 690 V / 16 A AC-3: 500 V / 20 A DC-1: 110 V / 16 A UL508: 600 V / 20 A |
| Switching capacity main contacts | 4 kW: 200 to 250 V AC 7.5 kW: 380 to 500 V AC 11 kW: 600 to 690 V AC |
| 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 |
| Notes | 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 |
| Mounting frame material | Stainless steel |
| Silicone-free | No |
| Solid connection cross-section | 1 x 1.5 mm ² ... 2 x 6 mm ² |
| Finely stranded connection cross-section | 1 x 1.5 mm ² ... 2 x 4 mm ² |
| Impact strength (IEC 60079) | 7 J |
| Impact strength (IEC 62262) | IK10 |
| Lockable in | in 0- and I-position |
| Interlock | Prevents the plug from being pulled under load |
| Components | |
| Cable entry note | Entry 1: Lower left Entry 2: Lower right |
| Entry 1 model | CMP-25A2F100 KLE MsNi |

Technical Data

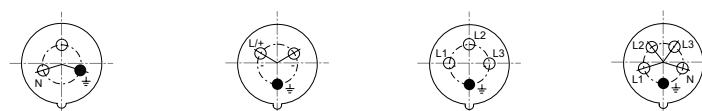
| Components | |
|------------------------|-------------------------|
| Entry 1 type | Metal cable gland |
| Entry 1 | M25 x 1.5 |
| Entry 1 terminal area | 11.5 – 19.5 mm |
| Metal entry possible 1 | Yes |
| Entry 2 model | 8290/3-M25 |
| Entry 2 type | Polyamide stopping plug |
| Entry 2 | M25 x 1.5 |
| Metal entry possible 2 | No |

Arrangement of earth contact sleeves

Position of clock hour position
Example: 6 h position



Arrangement of socket contacts and terminal markings



1 P + N + PE

2 P + PE

3 P + PE

3 P + N + PE

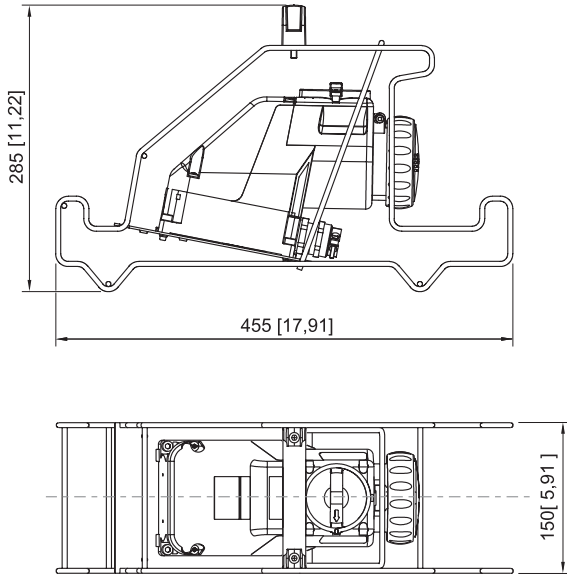
Arrangement of the socket contacts and terminal markings in the 6 h position
(view from the front side of the sockets to the socket contacts)

Accessories

| Figure | Description | Art. No. | Weight |
|-------------------------------------|--------------------------------------------------|----------|--------|
| Dust cover for sockets, series 8570 | | | |
| | Retrofittable dust protection for 3-pole sockets | 253118 | 6 g |
| Dust cover for sockets, Series 8570 | | | |
| | Retrofittable dust protection for 4-pole sockets | 255003 | 8 g |
| Dust cover for sockets, series 8570 | | | |
| | Retrofittable dust protection for 5-pole sockets | 255004 | 8 g |

Spare Parts

| Figure | Description | Art. No. | Weight |
|------------------------------------|----------------------------------------------|----------|--------|
| Repair set for Series 8570 sockets | | | |
| | Repair set 8570 hinged cover, 3-pole, blue | 274116 | 95 g |
| | Repair set 8570 hinged cover, 3-pole, yellow | 274117 | 95 g |
| | Repair set 8570 hinged cover, 4-pole, black | 274114 | 115 g |
| | Repair set 8570 hinged cover, 4-pole, red | 274113 | 115 g |
| | Repair set 8570 hinged cover, 5-pole, black | 274109 | 125 g |
| | Repair set 8570 hinged cover, 5-pole, red | 274108 | 125 g |



Coupler socket