



- Different voltage ranges according to EN 60309
- No effect of torsional forces from the conductor on the seal
- 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
- Variants for use in USA/Canada available on request

E3

MY R. STAHL 8570P



The R. STAHL 8570/12 series SolConeX plugs for Zone 1/21 are 3-, 4- or 5-pole versions up to 16 A. They are easy and simple to plug and unplug thanks to floating pins. The pivoting strain relief makes it easier to install the cable. Self-cleaning and corrosion-free plug pins made from high-quality materials ensure optimum electrical contact.

Further product options available:

- Further voltage ranges according to EN 60309
- Silicone-free versions

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

| Selection Table | | | | | | | | |
|--|--------------------------|------------------------------|------------------------------|-------------|-----------------|---------------------------|----------|--------|
| Product Description | | | | | | | | |
| Plug 16 A downstrm of isolating transf. Plug | | | | | | | | |
| Figure | Detailed number of poles | Coding (clock hour position) | Rated operational voltage AC | Colour code | Frequency range | Product Type | Art. No. | Weight |
| | 2 P + PE | 12 | 50 to 250 V AC | Blue | 50 / 60 Hz | 8570/12-312-S-XX-X-XX-XXX | 272901 | 331 g |
| Product Description | | | | | | | | |
| Plug 16 A Plug | | | | | | | | |
| 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 | 8570/12-304-S-XX-X-XX-XXX | 272896 | 331 g |
| | | 5 | 277 V AC | Light grey | 60 Hz | 8570/12-305-S-XX-X-XX-XXX | 272897 | 331 g |

Selection Table

| Product Description | | Plug 16 A Plug | | | | | | |
|---------------------|--------------------------|------------------------------|------------------------------|-------------|-----------------|---------------------------|----------|--------|
| Figure | Detailed number of poles | Coding (clock hour position) | Rated operational voltage AC | Colour code | Frequency range | Product Type | Art. No. | Weight |
| | 2 P + PE | 2 | > 50 V AC | Green | > 300 – 500 Hz | 8570/12-302-S-XX-X-XX-XXX | 272894 | 331 g |
| | | 3 | > 50 to 110 V DC | Light grey | – | 8570/12-303-S-XX-X-XX-XXX | 272895 | 331 g |
| | | 6 | 200 to 250 V AC | Blue | 50 / 60 Hz | 8570/12-306-S-XX-X-XX-XXX | 272898 | 331 g |
| | | 7 | 480 to 500 V AC | Black | 50 / 60 Hz | 8570/12-307-S-XX-X-XX-XXX | 272899 | 331 g |
| | | 9 | 380 to 415 V AC | Red | 50 / 60 Hz | 8570/12-309-S-XX-X-XX-XXX | 272900 | 331 g |
| | 3 P + N + PE | 3 | 220/380 V AC | Red | 50 Hz | 8570/12-503-S-XX-X-XX-XXX | 272718 | 444 g |
| | | 4 | 57/100 to 75/130 V AC | Yellow | 50 / 60 Hz | 8570/12-504-S-XX-X-XX-XXX | 272719 | 444 g |
| | | 5 | 347/600 to 400/690 V AC | Black | 50 / 60 Hz | 8570/12-505-S-XX-X-XX-XXX | 272720 | 444 g |
| | | 6 | 200/346 to 240/415 V AC | Red | 50 / 60 Hz | 8570/12-506-S-XX-X-XX-XXX | 272881 | 444 g |
| | | 7 | 277/480 to 288/500 V AC | Black | 50 / 60 Hz | 8570/12-507-S-XX-X-XX-XXX | 272882 | 444 g |
| | | 9 | 120/208 to 144/250 V AC | Blue | 50 / 60 Hz | 8570/12-509-S-XX-X-XX-XXX | 272883 | 444 g |
| | | 11 | 250/440 to 265/460 V AC | Red | 60 Hz | 8570/12-511-S-XX-X-XX-XXX | 272884 | 444 g |
| | 3 P + PE | 2 | > 50 V AC | Green | > 300 – 500 Hz | 8570/12-402-S-XX-X-XX-XXX | 272885 | 384 g |
| | | 3 | 380 V AC | Red | 50 Hz | 8570/12-403-S-XX-X-XX-XXX | 272886 | 384 g |
| | | 4 | 100 to 130 V AC | Yellow | 50 / 60 Hz | 8570/12-404-S-XX-X-XX-XXX | 272887 | 384 g |
| | | 5 | 600 to 690 V AC | Black | 50 / 60 Hz | 8570/12-405-S-XX-X-XX-XXX | 272888 | 384 g |
| | | 6 | 380 to 415 V AC | Red | 50 / 60 Hz | 8570/12-406-S-XX-X-XX-XXX | 272889 | 384 g |
| | | 7 | 480 to 500 V AC | Black | 50 / 60 Hz | 8570/12-407-S-XX-X-XX-XXX | 272890 | 384 g |
| | | 9 | 200 to 250 V AC | Blue | 50 / 60 Hz | 8570/12-409-S-XX-X-XX-XXX | 272891 | 384 g |
| | | 10 | > 50 V AC | Green | 100 – 300 Hz | 8570/12-410-S-XX-X-XX-XXX | 272892 | 384 g |
| | | 11 | 440 to 460 V AC | Red | 60 Hz | 8570/12-411-S-XX-X-XX-XXX | 272893 | 384 g |

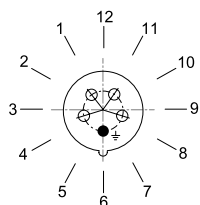
Technical Data

| Variant | Plug 16 A |
|---------------------------------|--|
| Explosion Protection | |
| Scope of validity | European Union (ATEX) IECEX |
| Scope of validity Note | Other country markings available on request |
| IECEX gas explosion protection | Ex eb IIC T6 ... T5 Gb |
| IECEX dust explosion protection | Ex tb IIIC T75 °C Db |
| ATEX gas explosion protection | Ⓔ II 2 G Ex eb IIC T6 ... T5 Gb |
| ATEX dust explosion protection | Ⓔ II 2 D Ex tb IIIC T75 °C Db |
| Certificates | ATEX (PTB), Brazil (ULB), China (CQST), IECEX (PTB), Taiwan (ITRI) |
| Ship approval | DNV |

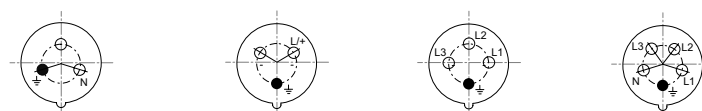
| Technical Data | |
|--|---|
| Variant | Plug 16 A |
| Explosion Protection | |
| Declaration of Conformity | ATEX (EUK), China (CCC) |
| Electrical Data | |
| Rated operational current | 16 A |
| Rated operational current note | Usable for up to 20 A depending on the connection cross-section |
| Notes | The current must be reduced to 12 A for frequencies ≥ 100 Hz |
| 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 |
| Silicone-free | No |
| Finely stranded connection cross-section | 1 x 1.5 mm ² ... 1 x 4 mm ² |
| Impact strength (IEC 60079) | 7 J |
| Impact strength (IEC 62262) | IK10 |
| Components | |
| Cable diameter | 8 – 18 mm |

Arrangement of contact pins

Position of clock hour position
Example: 6 h position



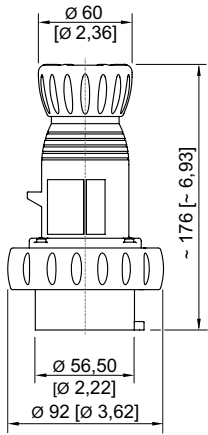
Arrangement of contact pins and terminal markings



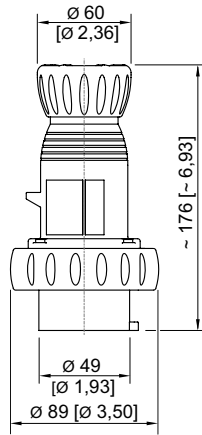
1 P + N + PE 2 P + PE 3 P + PE 3 P + N + PE
Arrangement of contact pins and terminal markings in the 6 h position
(view from the front side)

Accessories

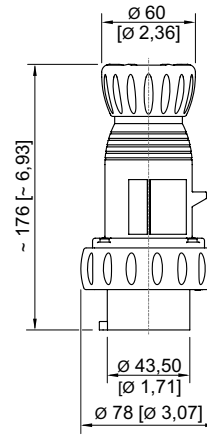
| Figure | Description | Art. No. | Weight |
|-------------------------------------|-------------|----------|--------|
| Protective cap for Series 8570 plug | | | |
| | 3-pole | 150496 | 43 g |
| | 4-pole | 150510 | 49 g |
| | 5-pole | 150520 | 56 g |



5-pole plug



4-pole plug



3-pole plug