

8570/12-506 Art. No. 150495



- No effect of torsion forces from the wire on the seal
- Full compatibility between SolConeX and CES devices
- 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 8570E



R. STAHL Series 8570/12 SolConeX plugs for Zone 1/21 are 3-, 4- or 5-pole versions up to 16 A. The floating pins allow them to be inserted and removed quickly and easily. 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.

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) |

Electrical Data

| | |
|--------------------------------|-----------------------------------|
| Rated operational voltage AC | 200/346 to 240/415 V AC |
| Rated operational current | max. 16 A |
| Rated operational current note | Optional up to 20 A |
| Mechanical service life | > 5x10 ³ mating cycles |
| Type of voltage | Low voltage |
| Frequency range | 50 / 60 Hz |

Ambient Conditions

| | |
|---------------------|--------------------|
| Ambient temperature | -30 °C ... +55 °C |
| Ambient temperature | -22 °F ... +131 °F |

Mechanical Data

| | |
|-------------------------------------|------|
| IP degree of protection (IEC 60529) | IP66 |
|-------------------------------------|------|

8570/12-506 Art. No. 150495

Mechanical Data

| | |
|--|--|
| IP degree of protection (IEC 60079) | IP66 |
| Enclosure material | Polyamide, Glass fibre reinforced |
| Silicone-free | Yes |
| Silicone-free note | Optional: Silicone-free variant are available on request (ambient temperature -30 °C to +55 ° C) |
| Finely stranded connection cross-section | 1 x 1.5 mm ² ... 1 x 4 mm ² |
| Finely stranded connection cross-section AWG | 1 x AWG 16 ... 1 x AWG 12 |
| Width | 92 mm |
| Width in inches | 3.62 in |
| Height | 92 mm |
| Height, inches | 3.62 in |
| Length | 176 mm |
| Length, inches | 6.93 in |
| Impact strength (IEC 60079) | 7 J |
| Impact strength (IEC 62262) | IK10 |
| Colour code | Red |
| Coding (clock hour position) | 6 |
| Series | SolConeX |
| Detailed number of poles | 3 P + N + PE |
| Weight | 0.444 kg |
| Weight | 0.98 lb |

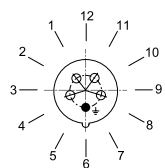
Mounting / Installation

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

Components

| | |
|---------------------|----------------|
| Cable diameter | 8 – 18 mm |
| Cable diameter inch | 0.31 – 0.71 in |

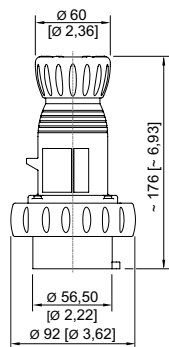
Technical Drawings – Subject to Alterations



Position of clock hour position
Example: 6 h position

8570/12-506 Art. No. 150495

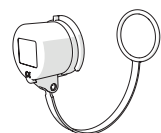
Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations



5-pole plug

Accessories

Protective cap for 16 A plug



5-pole

Art. No.

150520

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.