



- 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.

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

| Selection Table | | | | | | | | | | |
|---------------------|--------------------------|------------------------------|------------------------------|-------------|-----------------|--------------|------------|-------------|--------|-------|
| Product Description | | Plug 16 A | | | | | | | | |
| Figure | Detailed number of poles | Coding (clock hour position) | Rated operational voltage AC | Colour code | Frequency range | Product Type | Art. No. | Weight kg | | |
| | 3 P + PE | 2 | > 50 V AC | Green | > 300 – 500 Hz | 8570/12-402 | 258046 | 0.384 | | |
| | | 3 | 380 V AC | Red | 50 Hz | 8570/12-403 | 258045 | 0.384 | | |
| | | 4 | 100 to 130 V AC | Yellow | 50 / 60 Hz | 8570/12-404 | 258047 | 0.384 | | |
| | | 5 | 600 to 690 V AC | Black | 50 / 60 Hz | 8570/12-405 | 258042 | 0.384 | | |
| | | 6 | 380 to 415 V AC | Red | 50 / 60 Hz | 8570/12-406 | 258039 | 0.384 | | |
| | | 7 | 480 to 500 V AC | Black | 50 / 60 Hz | 8570/12-407 | 258040 | 0.384 | | |
| | | 9 | 200 to 250 V AC | Blue | 50 / 60 Hz | 8570/12-409 | 258041 | 0.384 | | |
| | | 10 | > 50 V AC | Green | 100 – 300 Hz | 8570/12-410 | 258044 | 0.384 | | |
| | | 11 | 440 to 460 V AC | Red | 60 Hz | 8570/12-411 | 258043 | 0.384 | | |
| | | | 1 P + N + PE | 4 | 100 to 130 V AC | Yellow | 50 / 60 Hz | 8570/12-304 | 257778 | 0.331 |
| | | | | 5 | 277 V AC | Light grey | 60 Hz | 8570/12-305 | 257779 | 0.331 |
| 2 P + PE | 2 | | > 50 V AC | Green | > 300 – 500 Hz | 8570/12-302 | 257776 | 0.331 | | |
| | 3 | | > 50 to 110 V DC | Light grey | – | 8570/12-303 | 257777 | 0.331 | | |
| | 6 | | 200 to 250 V AC | Blue | 50 / 60 Hz | 8570/12-306 | 257780 | 0.331 | | |
| | 7 | | 480 to 500 V AC | Black | 50 / 60 Hz | 8570/12-307 | 257970 | 0.331 | | |
| | 9 | | 380 to 415 V AC | Red | 50 / 60 Hz | 8570/12-309 | 258031 | 0.331 | | |

Selection Table

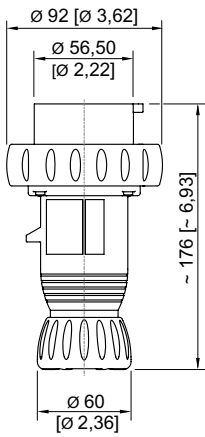
| Product Description | | | | | | | | |
|---------------------------------------|--------------------------|------------------------------|------------------------------|-------------|-----------------|--------------|----------|-----------|
| Plug 16 A | | | | | | | | |
| Figure | Detailed number of poles | Coding (clock hour position) | Rated operational voltage AC | Colour code | Frequency range | Product Type | Art. No. | Weight kg |
| | 3 P + N + PE | 3 | 220/380 V AC | Red | 50 Hz | 8570/12-503 | 258037 | 0.444 |
| | | 4 | 57/100 to 75/130 V AC | Yellow | 50 / 60 Hz | 8570/12-504 | 258038 | 0.444 |
| | | 5 | 347/600 to 400/690 V AC | Black | 50 / 60 Hz | 8570/12-505 | 258035 | 0.444 |
| | | 6 | 200/346 to 240/415 V AC | Red | 50 / 60 Hz | 8570/12-506 | 258032 | 0.444 |
| | | 7 | 277/480 to 288/500 V AC | Black | 50 / 60 Hz | 8570/12-507 | 258033 | 0.444 |
| | | 9 | 120/208 to 144/250 V AC | Blue | 50 / 60 Hz | 8570/12-509 | 258034 | 0.444 |
| | | 11 | 250/440 to 265/460 V AC | Red | 60 Hz | 8570/12-511 | 258036 | 0.444 |
| Product Description | | | | | | | | |
| Plug 16 A To an isolation transformer | | | | | | | | |
| Figure | Detailed number of poles | Coding (clock hour position) | Rated operational voltage AC | Colour code | Frequency range | Product Type | Art. No. | Weight kg |
| | 2 P + PE | 12 | 50 to 250 V AC | Blue | 50 / 60 Hz | 8570/12-312 | 257781 | 0.331 |

Technical Data

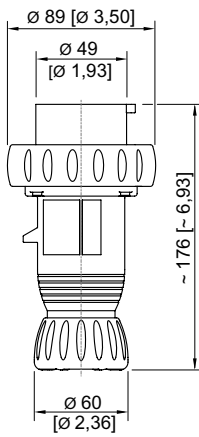
| Variant | Plug 16 A |
|---------------------------------|---|
| Explosion Protection | |
| IECEX gas explosion protection | Ex db eb IIC T6 Gb |
| IECEX dust explosion protection | Ex tb IIIC T80 °C Db |
| ATEX gas explosion protection | Ⓔ II 2 G Ex db eb IIC T6 Gb |
| ATEX dust explosion protection | Ⓔ II 2 D Ex tb IIIC T80 °C Db |
| Certificates | ATEX (PTB), EAC (CCVE), IECEX (PTB), India (PESO), Korea (KGS), Taiwan (ITRI) |
| Notes | CCC certificate available from 2021 onward |
| Notes | Product label may vary. Series devices have certification according to ATEX and IECEX. |
| Electrical Data | |
| Rated operational current | max. 16 A |
| Rated operational current note | Optional up to 20 A |
| Notes | The current must be reduced to 12 A for frequencies > 100 Hz |
| Ambient Conditions | |
| Ambient temperature | -50 °C ... +55 °C |
| Notes | For further information, see the operating instructions. |
| Mechanical Data | |
| IP degree of prot. (IEC 60529) | IP66 |
| Schutzart IP (IEC 60079) | IP66 |
| Enclosure material | Polyamide, Glass fibre reinforced |
| Silicone-free | No |
| Silicone-free note | Optional: Silicone-free variant are available on request (ambient temperature -30 °C to +55 °C) |
| Impact strength (IEC 60079) | 7 J |
| Impact strength (IEC 62262) | IK10 |
| Components | |
| Cable diameter | 8 – 18 mm |

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

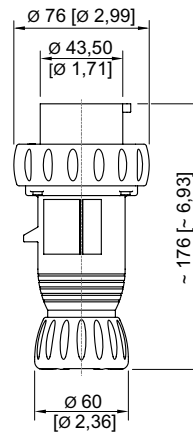
E3



Plug 3 P + N + PE



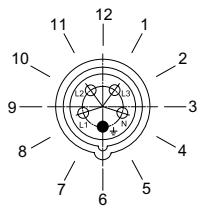
Plug 3 P + PE



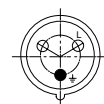
Plug 2 P + PE

Arrangement of the Earth Contact Sleeves

Example:
Clock hour position,
Front view of plug

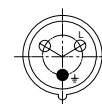


Example:
Clock hour position

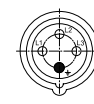


230 V = 6 h

Marking of connections
Front view of plug



2 P + PE



3 P + PE



3 P + N + PE