



- 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

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

Selection Table								
Product Description		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 ... 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
	2 P + PE	2	> 50 V AC	Green	> 300 – 500 Hz	8570/12-302-S-XX-X-XX-XXX	272894	331 g
		3	> 50 ... 110 V DC	Light grey	–	8570/12-303-S-XX-X-XX-XXX	272895	331 g
		6	200 ... 250 V AC	Blue	50 / 60 Hz	8570/12-306-S-XX-X-XX-XXX	272898	331 g
		7	480 ... 500 V AC	Black	50 / 60 Hz	8570/12-307-S-XX-X-XX-XXX	272899	331 g
		9	380 ... 415 V AC	Red	50 / 60 Hz	8570/12-309-S-XX-X-XX-XXX	272900	331 g

**Selection Table**

Product Description		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		
	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 ... 75/130 V AC	Yellow	50 / 60 Hz	8570/12-504-S-XX-X-XX-XXX	272719	444 g		
		5	347/600 ... 400/690 V AC	Black	50 / 60 Hz	8570/12-505-S-XX-X-XX-XXX	272720	444 g		
		6	200/346 ... 240/415 V AC	Red	50 / 60 Hz	8570/12-506-S-XX-X-XX-XXX	272881	444 g		
		7	277/480 ... 288/500 V AC	Black	50 / 60 Hz	8570/12-507-S-XX-X-XX-XXX	272882	444 g		
		9	120/208 ... 144/250 V AC	Blue	50 / 60 Hz	8570/12-509-S-XX-X-XX-XXX	272883	444 g		
		11	250/440 ... 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 ... 130 V AC			Yellow	50 / 60 Hz	8570/12-404-S-XX-X-XX-XXX	272887	384 g		
5	600 ... 690 V AC			Black	50 / 60 Hz	8570/12-405-S-XX-X-XX-XXX	272888	384 g		
6	380 ... 415 V AC			Red	50 / 60 Hz	8570/12-406-S-XX-X-XX-XXX	272889	384 g		
7	480 ... 500 V AC			Black	50 / 60 Hz	8570/12-407-S-XX-X-XX-XXX	272890	384 g		
9	200 ... 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 ... 460 V AC			Red	60 Hz	8570/12-411-S-XX-X-XX-XXX	272893	384 g		
Product Description				16 A plug downstream of isolating transformer						
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 ... 250 V AC	Blue	50 / 60 Hz	8570/12-312-S-XX-X-XX-XXX	272901	331 g		

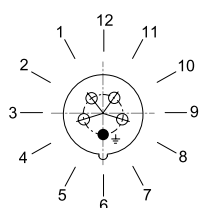
**Technical Data**

Variant	16 A plug
Explosion Protection	
Area of application	European Union (ATEX) IECEX
Area of application 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), Korea (KGS), Taiwan (ITRI)
Ship approval	DNV
Declaration of conformity	ATEX (EUK), China (CCC)

Technical Data	
<b>Variant</b>	<b>16 A plug</b>
<b>Electrical Data</b>	
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 $\geq 100$ Hz
<b>Ambient Conditions</b>	
Ambient temperature	-50 °C to +65 °C
Notes	For further information, see the operating instructions.
<b>Mechanical Data</b>	
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 <sup>2</sup> ... 1 x 4 mm <sup>2</sup>
Impact strength (IEC 60079)	7 J
Impact strength (IEC 62262)	IK10
<b>Components</b>	
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

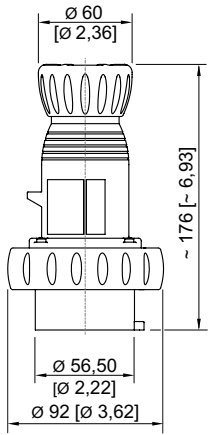
3 P + PE

3 P + N + PE

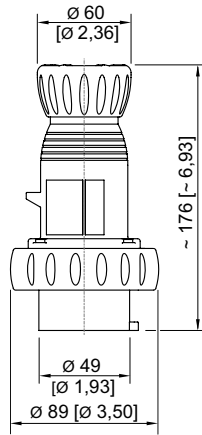
Arrangement of contact pins and terminal markings in the 6 h position  
(view from the front side)

### Accessories

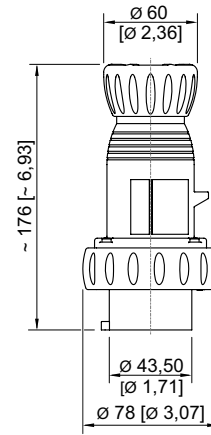
Figure	Description	Art. No.	Weight
Protective cap for Series 8570 plug			
	3-pole	150496	43 g
	4-pole	150510	49 g
	5-pole	150520	56 g



5-pole plug



4-pole plug



3-pole plug