



- Suitable for Zones 1, 2, 21 and 22 worldwide
- Degree of protection IP66
- Extreme temperature range of -50 ... +55 °C
- No impact of torsional forces from the cable on the seal
- Full compatibility between SolConeX and CES devices
- Variants for use in the US / Canada upon request

E3

WebCode **8570E**



R. STAHL Series 8570/12 SolConeX plugs for Zone 1/21 are 3-, 4- or 5-pole 16 A plugs. 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.

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

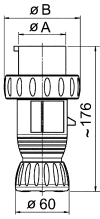
Selection Table										
Detailed number of poles		3 P (2 P + PE)								
Rated operational current		12 A								
Figure	Ambient temperature °C	Silicone-free	Coding (clock hour position)	Rated operational voltage AC	Colour code	Frequency range	Product Type	Art. No.	PS	Weight kg
	-50 ... +55 °C	No	2	51 – 690 V	Green	300 – 500 Hz	8570/12-302	257776	10	0.420
	-30 ... +55 °C	Yes	2	51 – 690 V	Green	300 – 500 Hz	8570/12-302	150595	10	0.420
Detailed number of poles		3 P (2 P + PE)								
Rated operational current		16 A								
Rated operational voltage DC		51 – 110 V								
Figure	Ambient temperature °C	Silicone-free	Coding (clock hour position)	Rated operational voltage AC	Colour code	Frequency range	Product Type	Art. No.	PS	Weight kg
	-50 ... +55 °C	No	3	–	Light grey	–	8570/12-303	257777 ▲	10	0.420
	-30 ... +55 °C	Yes	3	–	Light grey	–	8570/12-303	150591 ▲	10	0.420

### Selection Table

Detailed number of poles		3 P (2 P + PE)								
Rated operational current		16 A								
Figure	Ambient temperature °C	Silicone-free	Coding (clock hour position)	Rated operational voltage AC	Colour code	Frequency range	Product Type	Art. No.	PS	Weight kg
	-50 ... +55 °C	No	6	200 – 250 V	Blue	50 – 60 Hz	8570/12-306	257780	10	0.420
		No	7	480 – 500 V	Black	50 – 60 Hz	8570/12-307	257970	10	0.420
		No	9	380 – 415 V	Red	50 – 60 Hz	8570/12-309	258031	10	0.420
	-30 ... +55 °C	Yes	6	200 – 250 V	Blue	50 – 60 Hz	8570/12-306	150579 ▲	10	0.420
		Yes	7	480 – 500 V	Black	50 – 60 Hz	8570/12-307	150587	10	0.420
		Yes	9	380 – 415 V	Red	50 – 60 Hz	8570/12-309	220031	10	0.420
Detailed number of poles		3 P (1 P + N + PE)								
Rated operational current		16 A								
Figure	Ambient temperature °C	Silicone-free	Coding (clock hour position)	Rated operational voltage AC	Colour code	Frequency range	Product Type	Art. No.	PS	Weight kg
	-50 ... +55 °C	No	4	100 – 130 V	Yellow	50 – 60 Hz	8570/12-304	257778 ▲	10	0.420
		No	5	277 – 277 V	Light grey	60 – 60 Hz	8570/12-305	257779	10	0.420
	-30 ... +55 °C	Yes	4	100 – 130 V	Yellow	50 – 60 Hz	8570/12-304	150599 ▲	10	0.420
		Yes	5	277 – 277 V	Light grey	60 – 60 Hz	8570/12-305	150583	10	0.420
Detailed number of poles		4 P (3 P + PE)								
Rated operational current		12 A								
Figure	Ambient temperature °C	Silicone-free	Coding (clock hour position)	Rated operational voltage AC	Colour code	Frequency range	Product Type	Art. No.	PS	Weight kg
	-50 ... +55 °C	No	2	51 – 690 V	Green	300 – 500 Hz	8570/12-402	258046	10	0.420
		No	10	51 – 690 V	Green	100 – 300 Hz	8570/12-410	258044 ▲	10	0.420
	-30 ... +55 °C	Yes	2	51 – 690 V	Green	300 – 500 Hz	8570/12-402	219949	10	0.380
		Yes	10	51 – 690 V	Green	100 – 300 Hz	8570/12-410	150571 ▲	10	0.380
Detailed number of poles		4 P (3 P + PE)								
Rated operational current		16 A								
Figure	Ambient temperature °C	Silicone-free	Coding (clock hour position)	Rated operational voltage AC	Colour code	Frequency range	Product Type	Art. No.	PS	Weight kg
	-50 ... +55 °C	No	3	380 – 380 V	Red	50 – 50 Hz	8570/12-403	258045	10	0.420
		No	4	100 – 130 V	Yellow	50 – 60 Hz	8570/12-404	258047 ▲	10	0.420
		No	5	600 – 690 V	Black	50 – 60 Hz	8570/12-405	258042 ▲	10	0.420
		No	6	380 – 415 V	Red	50 – 60 Hz	8570/12-406	258039 ▲	10	0.420
		No	7	480 – 500 V	Black	50 – 60 Hz	8570/12-407	258040 ▲	10	0.420
		No	9	200 – 250 V	Blue	50 – 60 Hz	8570/12-409	258041 ▲	10	0.420
		No	11	440 – 460 V	Red	60 – 60 Hz	8570/12-411	258043	10	0.420
	-30 ... +55 °C	Yes	3	380 – 380 V	Red	50 – 50 Hz	8570/12-403	219948	10	0.380
		Yes	4	100 – 130 V	Yellow	50 – 60 Hz	8570/12-404	219950 ▲	10	0.380
		Yes	5	600 – 690 V	Black	50 – 60 Hz	8570/12-405	150563	10	0.380
		Yes	6	380 – 415 V	Red	50 – 60 Hz	8570/12-406	150551 ▲	10	0.380
		Yes	7	480 – 500 V	Black	50 – 60 Hz	8570/12-407	150555 ▲	10	0.380
		Yes	9	200 – 250 V	Blue	50 – 60 Hz	8570/12-409	150559 ▲	10	0.380
		Yes	11	440 – 460 V	Red	60 – 60 Hz	8570/12-411	150567	10	0.380

Selection Table										
Detailed number of poles		5 P (3 P + N + PE)								
Rated operational current		16 A								
Figure	Ambient temperature °C	Silicone-free	Coding (clock hour position)	Rated operational voltage AC	Colour code	Frequency range	Product Type	Art. No.	PS	Weight kg
	-50 ... +55 °C	No	3	220 – 380 V	Red	50 – 50 Hz	8570/12-503	258037	10	0.420
		No	4	57 – 75 V / 100 – 130 V	Yellow	50 – 60 Hz	8570/12-504	258038	10	0.420
		No	5	347 – 400 V / 600 – 690 V	Black	50 – 60 Hz	8570/12-505	258035	10	0.420
		No	6	200 – 240 V / 346 – 415 V	Red	50 – 60 Hz	8570/12-506	258032 ▲	10	0.420
		No	7	277 – 288 V / 480 – 500 V	Black	50 – 60 Hz	8570/12-507	258033 ▲	10	0.420
		No	9	120 – 144 V / 208 – 250 V	Blue	50 – 60 Hz	8570/12-509	258034 ▲	10	0.420
		No	11	250 – 265 V / 440 – 460 V	Red	60 – 60 Hz	8570/12-511	258036	10	0.420
	-30 ... +55 °C	Yes	3	220 – 380 V	Red	50 – 50 Hz	8570/12-503	219946	10	0.450
		Yes	4	57 – 75 V / 100 – 130 V	Yellow	50 – 60 Hz	8570/12-504	219947	10	0.450
		Yes	5	347 – 400 V / 600 – 690 V	Black	50 – 60 Hz	8570/12-505	150528	10	0.430
		Yes	6	200 – 240 V / 346 – 415 V	Red	50 – 60 Hz	8570/12-506	150495 ▲	10	0.430
		Yes	7	277 – 288 V / 480 – 500 V	Black	50 – 60 Hz	8570/12-507	150509 ▲	10	0.430
		Yes	9	120 – 144 V / 208 – 250 V	Blue	50 – 60 Hz	8570/12-509	150519 ▲	10	0.430
		Yes	11	250 – 265 V / 440 – 460 V	Red	60 – 60 Hz	8570/12-511	150539	10	0.430

Technical Data	
Explosion Protection	
Gas explosion protection IECEx	Ex db eb IIC T6 Gb
Gas explosion protection ATEX	Ⓔ II 2 G Ex db eb IIC T6 Gb
Gas explosion protection EAC	2 Ex de IIC T6 2 Ex de [ia] IIC T6
Dust explosion protection IECEx	Ex tb IIIC T80 °C Db
Dust explosion protection ATEX	Ⓔ II 2 D Ex tb IIIC T80 °C Db
Dust explosion protection EAC	Ex tD A21 IP66 T80 °C
Certificates	ATEX (PTB), Brazil (ULB), EAC (STV), IECEx (PTB)
Ambient Conditions	
Notes	Silicone is used as a sealing material for variants with an ambient temperature of -50 °C.
Mechanical Data	
Degree of protection (IP)	IP66
Degree of protection note	according to IEC/EN 60529
Enclosure material	Polyamide, Glass fibre reinforced
Silicone-free	Yes
Connection terminals min.	1.5 mm <sup>2</sup>
Connection terminals finely-stranded max.	2 x 4 mm <sup>2</sup>
Components	
Cable diameter	8 – 18 mm
Cable diameter note	Ring 1 + 2 + 3 + 4: 8 ... 11 mm Ring 2 + 3 + 4: 11 ... 15 mm Ring 3 + 4: 15 ... 18 mm



3 P (2 P + PE):	A = 43.5 mm	B = 76 mm
4 P (3 P + PE):	A = 49 mm	B = 89 mm
5 P (3 P + N + PE):	A = 56.5 mm	B = 92 mm