



- For use in Zones 1, 2, 21 and 22
- Degree of protection IP66
- Extreme temperature range of -50 ... +55 °C
- Optional: pluggable, easily retrofittable Ex e or Ex i auxiliary contacts for control and signalling purposes
- With motor switching capacity AC-3 in accordance IEC/EN 60947-3
- Variants for use in the US / Canada upon request

E3

WebCode **8570A**



R. STAHL Series 8570/11 SolConeX sockets for Zone 1/21 in a 3-, 4- and 5-pole version have full AC-3 switching capacity up to 16 A. The high degree of protection IP66 guarantees the highest level of protection against the penetration of dust and water in any application position. Self-cleaning lamellar contacts provide optimum contact and the plugs can be inserted and removed in the zero position quickly and easily. The load disconnect switch, with mechanical locking device and a handle that can be locked in the 0 or I position, is an additional safety feature.

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

Selection Table										
Rated operational current		12 A								
Auxiliary contacts available		No								
Figure	Detailed number of poles	Coding (clock hour position)	Rated operational voltage AC	Rated operational voltage DC	Colour code	Frequency range	Product Type	Art. No.	PS	Weight kg
	3 P (2 P + PE)	2	51 – 690 V	–	Green	300 – 500 Hz	8570/11-302	150594	10	1.120
	4 P (3 P + PE)	10	51 – 690 V	–	Green	100 – 300 Hz	8570/11-410	150570	10	1.350

Selection Table

Rated operational current Auxiliary contacts available		16 A No										
Figure	Detailed number of poles	Coding (clock hour position)	Rated operational voltage AC	Rated operational voltage DC	Colour code	Frequency range	Product Type	Art. No.	PS	Weight kg		
	3 P (2 P + PE)	3	–	51 – 110 V	Light grey	–	8570/11-303	150590	10	1.120		
		6	200 – 250 V	–	Blue	50 – 60 Hz	8570/11-306-S011	203090 ▲	10	1.120		
		6	200 – 250 V	–	Blue	50 – 60 Hz	8570/11-306-S019	214065 ▲	10	1.120		
		6	200 – 250 V	–	Blue	50 – 60 Hz	8570/11-306	150578 ▲	10	1.120		
		7	480 – 500 V	–	Black	50 – 60 Hz	8570/11-307	150586 ▲	10	1.120		
		9	380 – 415 V	–	Red	50 – 60 Hz	8570/11-309	218317	10	1.120		
	3 P (1 P + N + PE)	4	100 – 130 V	–	Yellow	50 – 60 Hz	8570/11-304-S011	203141	10	1.120		
		4	100 – 130 V	–	Yellow	50 – 60 Hz	8570/11-304-S019	218955	10	1.120		
		4	100 – 130 V	–	Yellow	50 – 60 Hz	8570/11-304	150598 ▲	10	1.120		
		5	277 – 277 V	–	Light grey	60 – 60 Hz	8570/11-305	150582	10	1.120		
	4 P (3 P + PE)	2	51 – 690 V	–	Green	300 – 500 Hz	8570/11-402	218315	10	1.350		
		3	380 – 380 V	–	Red	50 – 50 Hz	8570/11-403	218314	10	1.350		
		4	100 – 130 V	–	Yellow	50 – 60 Hz	8570/11-404	218316	10	1.350		
		5	600 – 690 V	–	Black	50 – 60 Hz	8570/11-405-S020	218962	10	1.350		
		5	600 – 690 V	–	Black	50 – 60 Hz	8570/11-405	150562	10	1.350		
		6	380 – 415 V	–	Red	50 – 60 Hz	8570/11-406-S012	203142	10	1.350		
		6	380 – 415 V	–	Red	50 – 60 Hz	8570/11-406-S020	214066	10	1.350		
		6	380 – 415 V	–	Red	50 – 60 Hz	8570/11-406	150550 ▲	10	1.350		
		7	480 – 500 V	–	Black	50 – 60 Hz	8570/11-407-S020	218961	10	1.350		
		7	480 – 500 V	–	Black	50 – 60 Hz	8570/11-407	150554 ▲	10	1.350		
		9	200 – 250 V	–	Blue	50 – 60 Hz	8570/11-409-S020	218959	10	1.350		
		9	200 – 250 V	–	Blue	50 – 60 Hz	8570/11-409	150558 ▲	10	1.350		
		11	440 – 460 V	–	Red	60 – 60 Hz	8570/11-411	150566	10	1.350		
			5 P (3 P + N + PE)	3	220 – 380 V	–	Red	50 – 50 Hz	8570/11-503	218312	10	1.450
				4	57 – 75 V / 100 – 130 V	–	Yellow	50 – 60 Hz	8570/11-504	218313	10	1.450
5	347 – 400 V / 600 – 690 V			–	Black	50 – 60 Hz	8570/11-505	150527	10	1.450		
6	200 – 240 V / 346 – 415 V			–	Red	50 – 60 Hz	8570/11-506-S020	214067	10	1.450		
6	200 – 240 V / 346 – 415 V			–	Red	50 – 60 Hz	8570/11-506	150494 ▲	10	1.450		
7	277 – 288 V / 480 – 500 V			–	Black	50 – 60 Hz	8570/11-507	150508 ▲	10	1.450		
9	120 – 144 V / 208 – 250 V			–	Blue	50 – 60 Hz	8570/11-509	150518 ▲	10	1.450		
11	250 – 265 V / 440 – 460 V			–	Red	60 – 60 Hz	8570/11-511	150538	10	1.450		

Selection Table										
Rated operational current		16 A								
Auxiliary contacts available		Yes								
Figure	Detailed number of poles	Coding (clock hour position)	Rated operational voltage AC	Rated operational voltage DC	Colour code	Frequency range	Product Type	Art. No.	PS	Weight kg
	3 P (2 P + PE)	6	200 – 250 V	–	Blue	50 – 60 Hz	8570/11-306-S001	166609 ▲	10	1.120
	4 P (3 P + PE)	5	600 – 690 V	–	Black	50 – 60 Hz	8570/11-405-S001	218963	10	1.350
		6	380 – 415 V	–	Red	50 – 60 Hz	8570/11-406-S001	218960	10	1.350
		7	480 – 500 V	–	Black	50 – 60 Hz	8570/11-407-S001	166608 ▲	10	1.350
	5 P (3 P + N + PE)	6	200 – 240 V / 346 – 415 V	–	Red	50 – 60 Hz	8570/11-506-S001	218964 ▲	10	1.600

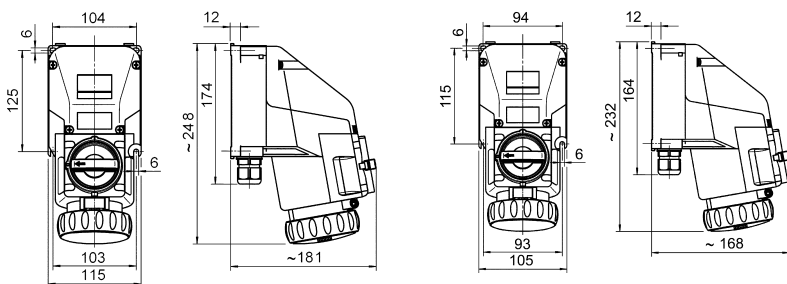
Variants with temperature range of -50 ... +55 °C available on request

Technical Data				
Variant	8570/11-...	8570/11-...-S001	8570/11-...-S011 8570/11-...-S012	8570/11-...-S019 8570/11-...-S020
Explosion Protection				
Ambient temperature °C	-30 ... +40 °C	-30 ... +55 °C	-30 ... +55 °C	-30 ... +55 °C
Gas explosion protection IECEx	Ex db eb IIC T6 Gb	Ex db eb IIC T6 Gb	Ex db eb IIC T6 Gb	Ex db eb IIC T6 Gb
Gas explosion protection ATEX	⊕ II 2 G Ex db eb IIC T6 Gb	⊕ II 2 G Ex db eb IIC T6 Gb	⊕ II 2 G Ex db eb IIC T6 Gb	⊕ II 2 G Ex db eb IIC T6 Gb
Gas explosion protection EAC	2 Ex de IIC T6 2 Ex de [ia] IIC T6	2 Ex de IIC T6 2 Ex de [ia] IIC T6	2 Ex de IIC T6 2 Ex de [ia] IIC T6	2 Ex de IIC T6 2 Ex de [ia] IIC T6
Dust explosion protection IECEx	Ex tb IIIC T80 °C Db	Ex tb IIIC T80 °C Db	Ex tb IIIC T80 °C Db	Ex tb IIIC T80 °C Db
Dust explosion protection ATEX	⊕ II 2 D Ex tb IIIC T80 °C Db	⊕ II 2 D Ex tb IIIC T80 °C Db	⊕ II 2 D Ex tb IIIC T80 °C Db	⊕ II 2 D Ex tb IIIC T80 °C Db
Dust explosion protection EAC	Ex tD A21 IP66 T80 °C	Ex tD A21 IP66 T80 °C	Ex tD A21 IP66 T80 °C	Ex tD A21 IP66 T80 °C
Certificates	ATEX (PTB), Brazil (ULB), EAC (STV), IECEx (PTB)	ATEX (PTB), Brazil (ULB), EAC (STV), IECEx (PTB)	ATEX (PTB), Brazil (ULB), EAC (STV), IECEx (PTB)	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	IP66	IP66	IP66
Degree of protection note	according to IEC/EN 60529	according to IEC/EN 60529	according to IEC/EN 60529	according to IEC/EN 60529
Enclosure material	Polyamide, Glass fibre reinforced	Polyamide, Glass fibre reinforced	Polyamide, Glass fibre reinforced	Polyamide, Glass fibre reinforced
Silicone-free	Yes	Yes	Yes	Yes
Connection terminals min.	1.5 mm ²	1.5 mm ²	1.5 mm ²	1.5 mm ²
Connection terminals solid max.	2 x 6 mm ²	2 x 6 mm ²	2 x 6 mm ²	2 x 6 mm ²
Connection terminals finely-stranded max.	2 x 4 mm ²	2 x 4 mm ²	2 x 4 mm ²	2 x 4 mm ²
Lockable in	in 0- and I-position	in 0- and I-position	in 0- and I-position	in 0- and I-position
Components				
Plate with threaded holes			With 2 x M25 x 1.5	With 2 x M25-M20
Screw connections	1 x M25	2 x M25	Can be ordered as accessories	Can be ordered as accessories
Cable diameter	7 – 17 mm	7 – 17 mm		
Cable diameter 2		7 – 17 mm		
Material of screw connections	Polyamide, black	Polyamide, black		
Stopping plug	1 x M25		2 x M25	1 x M20

Technical Data				
Variant	8570/11-...	8570/11-...-S001	8570/11-...-S011 8570/11-...-S012	8570/11-...-S019 8570/11-...-S020
Components				
Stopping plug material	Polyamide, black		Polyamide, black	Polyamide, black
Notes	Plate with threaded holes: made of brass, for metal cable glands Screw connections: positioning on the top or at the side, according to the order			
You can find more technical data online at r-stahl.com				

Accessories and Spare Parts				
Figure	Description	Art. No.	Weight kg	
Auxiliary contact				
	1 NC max. 500 V AC, max. 110 V DC max. 6 A 2 x 0.5 ... 2.5 mm ² solid / finely stranded	150680	0.125	
	1 NC, gold contact max. 500 V AC, max. 110 V DC max. 6 A 2 x 0.5 ... 2.5 mm ² solid / finely stranded	150684	0.125	
	1 NO max. 500 V AC, max. 110 V DC max. 6 A 2 x 0.5 ... 2.5 mm ² solid / finely stranded	150682	0.125	
	1 NO, gold contact max. 500 V AC, max. 110 V DC max. 6 A 2 x 0.5 ... 2.5 mm ² solid / finely stranded	150686	0.125	

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



Wall-mounting socket 4-pole / 5-pole

Wall-mounting socket 3-pole