



- 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									
Auxiliary contacts available			12 A (T6) 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.	Weight kg
	3 P (2 P + PE)	2	51 – 690 V	–	Green	300 – 500 Hz	8570/11-302	150594	1.120
	4 P (3 P + PE)	10	51 – 690 V	–	Green	100 – 300 Hz	8570/11-410	150570	1.350
16 A									
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.	Weight kg
	3 P + PE	4	–	–	Yellow	–	8570/11-404	218316	1.350
		7	–	–	Black	–	8570/11-407-S001	166608 ▲	1.350

**Selection Table**

Auxiliary contacts available		16 A (T6) 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.	Weight kg
	3 P (2 P + PE)	3	–	51 – 110 V	Light grey	–	8570/11-303	150590	1.120
		6	200 – 250 V	–	Blue	50 – 60 Hz	8570/11-306-S011	203090 ▲	1.120
		6	200 – 250 V	–	Blue	50 – 60 Hz	8570/11-306-S019	214065 ▲	1.120
		6	200 – 250 V	–	Blue	50 – 60 Hz	8570/11-306	150578 ▲	1.120
		7	480 – 500 V	–	Black	50 – 60 Hz	8570/11-307	150586 ▲	1.120
		9	380 – 415 V	–	Red	50 – 60 Hz	8570/11-309	218317	1.120
	3 P (1 P + N + PE)	4	100 – 130 V	–	Yellow	50 – 60 Hz	8570/11-304-S011	203141	1.120
		4	100 – 130 V	–	Yellow	50 – 60 Hz	8570/11-304-S019	218955	1.120
		4	100 – 130 V	–	Yellow	50 – 60 Hz	8570/11-304	150598 ▲	1.120
		5	277 V	–	Light grey	60 Hz	8570/11-305	150582	1.120
	4 P (3 P + PE)	2	51 – 690 V	–	Green	300 – 500 Hz	8570/11-402	218315	1.350
		3	380 V	–	Red	50 Hz	8570/11-403	218314	1.350
		5	600 – 690 V	–	Black	50 – 60 Hz	8570/11-405-S020	218962	1.350
		5	600 – 690 V	–	Black	50 – 60 Hz	8570/11-405	150562	1.350
		6	380 – 415 V	–	Red	50 – 60 Hz	8570/11-406-S012	203142	1.350
		6	380 – 415 V	–	Red	50 – 60 Hz	8570/11-406-S020	214066	1.350
		6	380 – 415 V	–	Red	50 – 60 Hz	8570/11-406	150550 ▲	1.350
		7	480 – 500 V	–	Black	50 – 60 Hz	8570/11-407-S020	218961	1.350
		7	480 – 500 V	–	Black	50 – 60 Hz	8570/11-407	150554 ▲	1.350
		9	200 – 250 V	–	Blue	50 – 60 Hz	8570/11-409-S020	218959	1.350
		9	200 – 250 V	–	Blue	50 – 60 Hz	8570/11-409	150558 ▲	1.350
		11	440 – 460 V	–	Red	60 Hz	8570/11-411	150566	1.350
			5 P (3 P + N + PE)	3	220 – 380 V	–	Red	50 Hz	8570/11-503
4	57 – 75 V / 100 – 130 V			–	Yellow	50 – 60 Hz	8570/11-504	218313	1.450
5	347 – 400 V / 600 – 690 V			–	Black	50 – 60 Hz	8570/11-505	150527	1.450
6	200 – 240 V / 346 – 415 V			–	Red	50 – 60 Hz	8570/11-506-S020	214067	1.450
6	200 – 240 V / 346 – 415 V			–	Red	50 – 60 Hz	8570/11-506	150494 ▲	1.450
7	277 – 288 V / 480 – 500 V			–	Black	50 – 60 Hz	8570/11-507	150508 ▲	1.450
9	120 – 144 V / 208 – 250 V			–	Blue	50 – 60 Hz	8570/11-509	150518 ▲	1.450
11	250 – 265 V / 440 – 460 V			–	Red	60 Hz	8570/11-511	150538	1.450

**Selection Table**

Auxiliary contacts available		16 A (T6) 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.	Weight kg
	3 P (2 P + PE)	6	200 – 250 V	–	Blue	50 – 60 Hz	8570/11-306-S001	166609 ▲	1.120
	4 P (3 P + PE)	5	600 – 690 V	–	Black	50 – 60 Hz	8570/11-405-S001	218963	1.350
		6	380 – 415 V	–	Red	50 – 60 Hz	8570/11-406-S001	218960	1.350
	5 P (3 P + N + PE)	6	200 – 240 V / 346 – 415 V	–	Red	50 – 60 Hz	8570/11-506-S001	218964 ▲	1.600

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

**Technical Data**

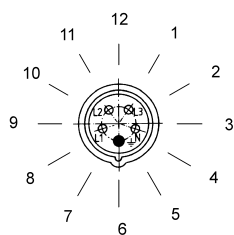
Variant	8570/11-304 WS 100-130V, 50/60Hz	8570/11-406-S001 WS 380-415V, 50/60Hz	8570/11-306-S019 WS 200-250V, 50/60Hz
<b>Explosion Protection</b>			
Ambient temperature °C	-30 ... +55 °C	-30 ... +55 °C	-30 ... +55 °C
IECEX gas explosion protection	Ex db eb IIC T6 Gb	Ex db eb IIC T6 Gb	Ex db eb IIC T6 Gb
ATEX gas explosion protection	Ⓜ 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
EAC gas explosion protection	Ⓜ 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
IECEX dust explosion protection	Ex tb IIIC T80 °C Db	Ex tb IIIC T80 °C Db	Ex tb IIIC T80 °C Db
ATEX dust explosion protection	Ⓜ 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
EAC dust explosion protection	Ⓜ Ex tD A21 IP66 T80 °C	Ⓜ Ex tD A21 IP66 T80 °C	Ⓜ Ex tD A21 IP66 T80 °C
Certificates	ATEX (PTB), Brazil (ULB), IECEX (PTB), India (PESO), Korea (KGS)	ATEX (PTB), Brazil (ULB), IECEX (PTB), India (PESO), Korea (KGS)	ATEX (PTB), Brazil (ULB), IECEX (PTB), India (PESO), Korea (KGS)
<b>Ambient Conditions</b>			
Notes	Silicone is used as a sealing material for variants with an ambient temperature of -50 °C.		
<b>Mechanical Data</b>			
Degree of protection (IP)	IP66	IP66	IP66
Degree of protection note	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
Silicone-free	Yes	Yes	Yes
Connection terminals min.	1.5 mm <sup>2</sup>	1.5 mm <sup>2</sup>	1.5 mm <sup>2</sup>
Connection terminals solid max.	2 x 6 mm <sup>2</sup>	2 x 6 mm <sup>2</sup>	2 x 6 mm <sup>2</sup>
Connection terminals finely-stranded max.	2 x 4 mm <sup>2</sup>	2 x 4 mm <sup>2</sup>	2 x 4 mm <sup>2</sup>
Lockable in	in 0- and I-position	in 0- and I-position	in 0- and I-position
<b>Components</b>			
Plate with threaded holes			With 2 x M25 x 1.5
Screw connections	1 x M25	2 x M25	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		1 x M20

Technical Data			
Variant	8570/11-304 WS 100-130V, 50/60Hz	8570/11-406-S001 WS 380-415V, 50/60Hz	8570/11-306-S019 WS 200-250V, 50/60Hz
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 <a href="http://r-stahl.com">r-stahl.com</a>			

Accessories			
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 <sup>2</sup> 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 <sup>2</sup> 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 <sup>2</sup> 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 <sup>2</sup> solid / finely stranded	150686	0.125

### Arrangement of the Earth Contact Sleeves

Example:  
Clock hour position,  
Front view of socket



Example:  
Clock hour position



Marking of connections  
Front view of socket

