



- Different voltage ranges according to EN 60309
- Large temperature range of use
- Small dimensions for integration into machines and connection chambers
- 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 8570R



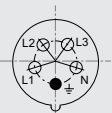
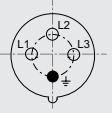
The R. STAHL 8570/15 series SolConeX flange sockets for zone 1/21 in 3-, 4- and 5-pole versions have full AC-3 switching capacity up to 16 A. Self-cleaning lamellar contacts provide optimum contact and the plugs can be inserted and removed in the zero position quickly and easily. The load disconnect switch, with mechanical locking device and a handle that can be locked in the 0 or I position, is an additional safety feature. Thanks to the compact structure, the flange socket can be integrated into nearly all enclosures and, with the internal locking device, provides a fast and safe connection of devices.

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

Selection Table

16 A flange socket Flange socket								
Figure	Detailed number of poles	Coding (clock hour position)	Rated operational voltage	Colour code	Frequency range	Product Type	Art. No.	Weight
	1 P + N + PE	4	100 ... 130 V AC	Yellow	50 / 60 Hz	8570/15-304-S-XX-X-00-XXX	272863	700 g
		5	277 V AC	Light grey	60 Hz	8570/15-305-S-XX-X-00-XXX	272864	700 g
	2 P + PE	2	> 50 V AC	Green	> 300 – 500 Hz	8570/15-302-S-XX-X-00-XXX	272861	700 g
		3	> 50 ... 110 V DC	Light grey	–	8570/15-303-S-XX-X-00-XXX	272862	700 g
		6	200 ... 250 V AC	Blue	50 / 60 Hz	8570/15-306-S-XX-X-00-XXX	272865	700 g
		7	480 ... 500 V AC	Black	50 / 60 Hz	8570/15-307-S-XX-X-00-XXX	272866	700 g
		9	380 ... 415 V AC	Red	50 / 60 Hz	8570/15-309-S-XX-X-00-XXX	272867	700 g

Selection Table

Product description		16 A flange socket Flange socket						
Figure	Detailed number of poles	Coding (clock hour position)	Rated operational voltage	Colour code	Frequency range	Product Type	Art. No.	Weight
	3 P + N + PE	3	220/380 V AC	Red	50 Hz	8570/15-503-S-XX-X-00-XXX	272845	1 kg
		4	57/100 ... 75/130 V AC	Yellow	50 / 60 Hz	8570/15-504-S-XX-X-00-XXX	272846	1 kg
		5	347/600 ... 400/690 V AC	Black	50 / 60 Hz	8570/15-505-S-XX-X-00-XXX	272847	1 kg
		6	200/346 ... 240/415 V AC	Red	50 / 60 Hz	8570/15-506-S-XX-X-00-XXX	272848	1 kg
		7	277/480 ... 288/500 V AC	Black	50 / 60 Hz	8570/15-507-S-XX-X-00-XXX	272849	1 kg
		9	120/208 ... 144/250 V AC	Blue	50 / 60 Hz	8570/15-509-S-XX-X-00-XXX	272850	1 kg
		11	250/440 ... 265/460 V AC	Red	60 Hz	8570/15-511-S-XX-X-00-XXX	272851	1 kg
	3 P + PE	2	> 50 V AC	Green	> 300 – 500 Hz	8570/15-402-S-XX-X-00-XXX	272852	900 g
		3	380 V AC	Red	50 Hz	8570/15-403-S-XX-X-00-XXX	272853	900 g
		4	100 ... 130 V AC	Yellow	50 / 60 Hz	8570/15-404-S-XX-X-00-XXX	272854	900 g
		5	600 ... 690 V AC	Black	50 / 60 Hz	8570/15-405-S-XX-X-00-XXX	272855	900 g
		6	380 ... 415 V AC	Red	50 / 60 Hz	8570/15-406-S-XX-X-00-XXX	272856	900 g
		7	480 ... 500 V AC	Black	50 / 60 Hz	8570/15-407-S-XX-X-00-XXX	272857	900 g
		9	200 ... 250 V AC	Blue	50 / 60 Hz	8570/15-409-S-XX-X-00-XXX	272858	900 g
		10	> 50 V AC	Green	100 – 300 Hz	8570/15-410-S-XX-X-00-XXX	272859	900 g
		11	440 ... 460 V AC	Red	60 Hz	8570/15-411-S-XX-X-00-XXX	272860	900 g

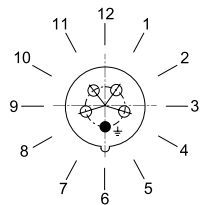
Technical Data

Variant	16 A flange socket
Explosion Protection	
Area of application	European Union (ATEX) IECEX
Area of application Note	Other country markings available on request
IECEX gas explosion protection	Ex db eb IIC Gb
IECEX dust explosion protection	Ex tb IIIC Db
ATEX gas explosion protection	Ex II 2 G Ex db eb IIC Gb
ATEX dust explosion protection	Ex II 2 D Ex tb IIIC Db
Certificates	ATEX (PTB), Brazil (ULB), China (CQST), IECEX (PTB), Korea (KGS)
Ship approval	DNV
Electrical Data	
Rated operational current	16 A
Rated operational current note	Usable for up to 20 A depending on the connection cross-section
Utilisation category	AC-3: 690 V / 16 A AC-3: 500 V / 20 A DC-1: 110 V / 16 A UL508: 600 V / 20 A
Switching capacity main contacts	4 kW: 200 to 250 V AC 7.5 kW: 380 to 500 V AC 11 kW: 600 to 690 V AC

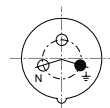
Technical Data	
Variant	16 A flange socket
Electrical Data	
Notes	The current must be reduced to 12 A for frequencies ≥ 100 Hz
Device Specific Data	
Back-up fuse with thermal protection	35 A gG
Back-up fuse without thermal protection	16 A gG
Ambient Conditions	
Ambient temperature	-50 °C to +65 °C
Notes	For further information, see the operating instructions.
Mechanical Data	
Degree of protection IP (IEC 60529)	IP66
IP degree of protection (IEC 60079)	IP64
Enclosure material	Polyamide, Glass fibre reinforced
Silicone-free	No
Solid connection cross-section	1 x 1.5 mm ² ... 2 x 6 mm ²
Finely stranded connection cross-section	1 x 1.5 mm ² ... 2 x 4 mm ²
Impact strength (IEC 60079)	7 J
Impact strength (IEC 62262)	IK10
Lockable in	in 0- and I-position
Interlock	Prevents the plug from being pulled under load

Arrangement of earth contact sleeves

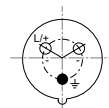
Position of clock hour position
Example: 6 h position



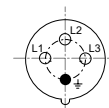
Arrangement of socket contacts and terminal markings



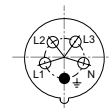
1 P + N + PE



2 P + PE



3 P + PE



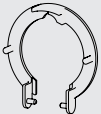
3 P + N + PE

Arrangement of the socket contacts and terminal markings in the 6 h position
(view from the front side of the sockets to the socket contacts)

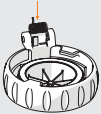
Accessories

Figure	Description	Art. No.	Weight
Auxiliary contact optional, pluggable by the user, easy to retrofit			
	1 NC Max. 500 V AC, max. 110 V DC Max. 6 A 1 x 0.5 to 2 x 2.5 mm ² , solid/finely stranded	150680	125 g
	1 NC, gold-plated contact Max. 500 V AC, max. 110 V DC Max. 6 A 1 x 0.5 to 2 x 2.5 mm ² , solid/finely stranded	150684	125 g
	1 NO Max. 500 V AC, max. 110 V DC Max. 6 A 1 x 0.5 to 2 x 2.5 mm ² , solid/finely stranded	150682	125 g
	1 NO, gold-plated contact Max. 500 V AC, max. 110 V DC Max. 6 A 1 x 0.5 to 2 x 2.5 mm ² , solid/finely stranded	150686	125 g

Accessories

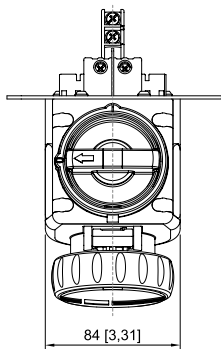
Figure	Description	Art. No.	Weight
Dust cover for sockets, series 8570			
	Retrofittable dust protection for 3-pole sockets	253118	6 g
Dust cover for sockets, Series 8570			
	Retrofittable dust protection for 4-pole sockets	255003	8 g
Dust cover for sockets, series 8570			
	Retrofittable dust protection for 5-pole sockets	255004	8 g

Spare Parts

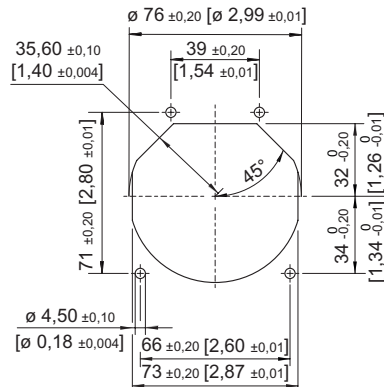
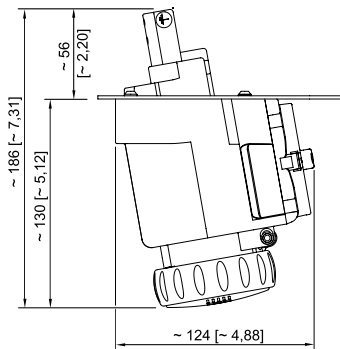
Figure	Description	Art. No.	Weight
Repair set for Series 8570 sockets			
	Repair set 8570 hinged cover, 3-pole, black	274119	95 g
	Repair set 8570 hinged cover, 3-pole, blue	274116	95 g
	Repair set 8570 hinged cover, 3-pole, green	274115	95 g
	Repair set 8570 hinged cover, 3-pole, light grey	274121	95 g
	Repair set 8570 hinged cover, 3-pole, red	274118	95 g
	Repair set 8570 hinged cover, 3-pole, yellow	274117	95 g
	Repair set 8570 hinged cover, 4-pole, black	274114	115 g
	Repair set 8570 hinged cover, 4-pole, blue	274111	115 g
	Repair set 8570 hinged cover, 4-pole, green	274110	115 g
	Repair set 8570 hinged cover, 4-pole, red	274113	115 g
	Repair set 8570 hinged cover, 4-pole, yellow	274112	115 g
	Repair set 8570 hinged cover, 5-pole, black	274109	125 g
	Repair set 8570 hinged cover, 5-pole, blue	274106	125 g
	Repair set 8570 hinged cover, 5-pole, red	274108	125 g
	Repair set 8570 hinged cover, 5-pole, yellow	274107	125 g

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

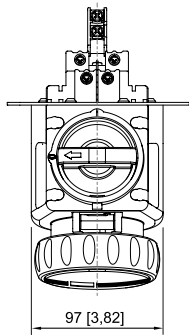
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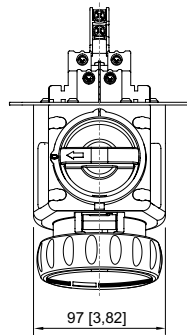
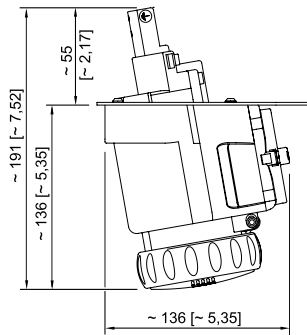
3-pole flange socket



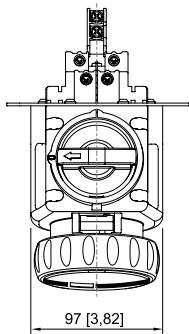
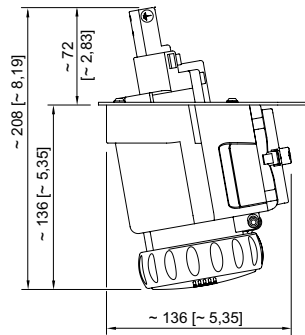
3-pole flange socket
Opening figure



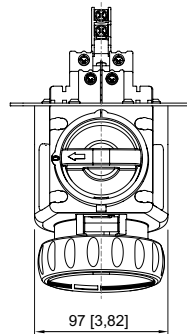
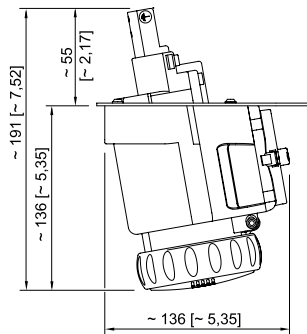
4-pole flange socket
Clock hour position 2 h, 3 h, 4 h



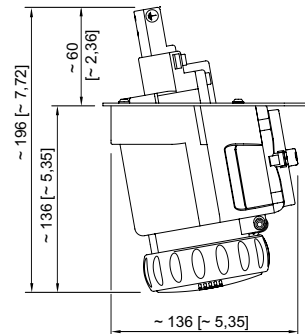
4-pole flange socket
Clock hour position 5 h, 6 h, 7 h



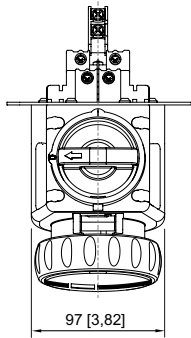
4-pole flange socket
Clock hour position 9 h, 10 h, 11 h



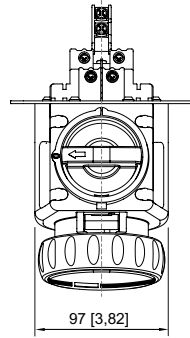
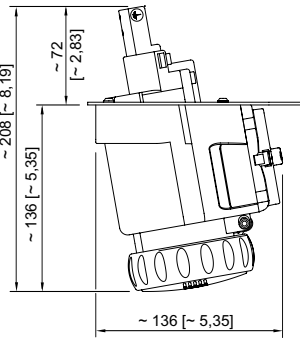
5-pole flange socket
Clock hour position 2 h, 3 h, 4 h



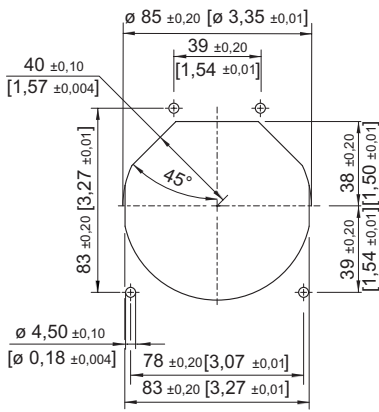
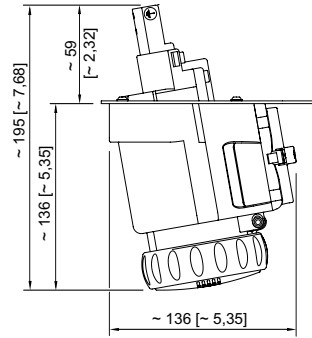
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5-pole flange socket
Clock hour position 5 h, 6 h, 7 h



5-pole flange socket
Clock hour position 9 h, 10 h, 11 h



4-/5-pole flange socket
Opening figure