



- Different voltage ranges according to EN 60309
- 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 8571N



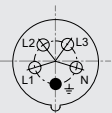
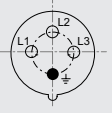
The R. STAHL 8571/11 series SolConeX sockets for Zone 1/21 in 4- and 5-pole versions have full AC-3 switching capacity up to 32 A. The high degree of protection IP66 ensures maximum protection against the ingress of dust and/or water in any application situation. Self-cleaning lamellar contacts provide 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.

Further product options available:

- Further voltage ranges according to EN 60309
- Silicone-free versions
- Ex e or Ex i auxiliary contacts for control and signalling purposes – can also be retrofitted
- With NAMUR resistor circuitry
- External earth connection
- Customer-specific label plates
- Plates also in stainless steel
- Additional entries – also in metal

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

Selection Table

Product description		32 A wall-mounting socket						
Figure	Detailed number of poles	Coding (clock hour position)	AC rated operational voltage	Colour code	Frequency range	Product Type	Art. No.	Weight
	3 P + N + PE	2	> 50 V AC	Green	> 300 – 500 Hz	8571/11-502-S-01-0-00-XXX	301434	2.2 kg
		3	220/380 V AC	Red	50 Hz	8571/11-503-S-01-0-00-XXX	276175	2.2 kg
		4	57/100 ... 75/130 V AC	Yellow	50 / 60 Hz	8571/11-504-S-01-0-00-XXX	276176	2.2 kg
		5	347/600 ... 400/690 V AC	Black	50 / 60 Hz	8571/11-505-S-01-0-00-XXX	276177	2.2 kg
		6	200/346 ... 240/415 V AC	Red	50 / 60 Hz	8571/11-506-S-01-0-00-XXX	276178	2.2 kg
		7	277/480 ... 288/500 V AC	Black	50 / 60 Hz	8571/11-507-S-01-0-00-XXX	276179	2.2 kg
		9	120/208 ... 144/250 V AC	Blue	50 / 60 Hz	8571/11-509-S-01-0-00-XXX	276180	2.2 kg
		11	250/440 ... 265/460 V AC	Red	60 Hz	8571/11-511-S-01-0-00-XXX	276191	2.2 kg
	3 P + PE	5	600 ... 690 V AC	Black	50 / 60 Hz	8571/11-405-S-01-0-00-XXX	276192	2 kg
		6	380 ... 415 V AC	Red	50 / 60 Hz	8571/11-406-S-01-0-00-XXX	276193	2 kg
		7	480 ... 500 V AC	Black	50 / 60 Hz	8571/11-407-S-01-0-00-XXX	276194	2 kg
		9	200 ... 250 V AC	Blue	50 / 60 Hz	8571/11-409-S-01-0-00-XXX	276195	2 kg
		10	> 50 V AC	Green	100 – 300 Hz	8571/11-410-S-01-0-00-XXX	276196	2 kg
		11	440 ... 460 V AC	Red	60 Hz	8571/11-411-S-01-0-00-XXX	276197	2 kg

Technical Data

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 T6 ... T5 Gb
IECEX dust explosion protection	Ex tb IIIC T76 °C Db
ATEX gas explosion protection	Ⓔ II 2 G Ex db eb IIC T6 ... T5 Gb
ATEX dust explosion protection	Ⓔ II 2 D Ex tb IIIC T76 °C Db
Certificates	ATEX (PTB), Brazil (ULB), China (CQST), IECEX (PTB), India (PESO), Korea (KTL), Taiwan (ITRI)
Ship approval	DNV
Declaration of conformity	ATEX (EUK), China (CCC)
Electrical Data	
Rated operational current	32 A
Utilisation category	AC-3: 690 V/32 A DC-1: 110 V/32 A UL 508: 600 V/30 A
Switching capacity main contacts	7.5 kW: 220 to 240 V 15 kW: 380 to 415 V 30 kW: 600 to 690 V
Notes	The current must be reduced to 25 A for frequencies ≥ 100 Hz
Device Specific Data	
Back-up fuse with thermal protection	63 A gG
Back-up fuse without thermal protection	35 A gG

Technical Data

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 2.5 mm² ... 2 x 10 mm²

Finely stranded connection cross-section 1 x 2.5 mm² ... 2 x 6 mm²

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

Components

Cable entry note Entry 1: Lower left
Entry 2: Lower right

Entry 1 model 8161/7-M32-2109-LT

Entry 1 type Polyamide cable gland

Entry 1 M32 x 1.5

Entry 1 clamping range 9 – 21 mm

Entry 1 clamping range 9 – 21 mm

Metal entry possible 1 No

Entry 2 model 8290/3-M32

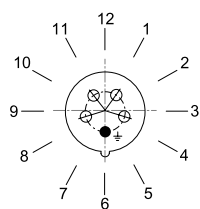
Entry 2 type Polyamide stopping plug

Entry 2 M32 x 1.5

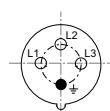
Metal entry possible 2 No

Arrangement of earth contact sleeves

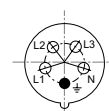
Position of clock hour position
Example: 6 h position



Arrangement of socket contacts and terminal markings



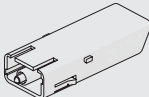
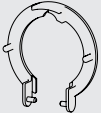
3 P + PE



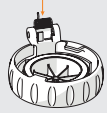
3 P + N + PE

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

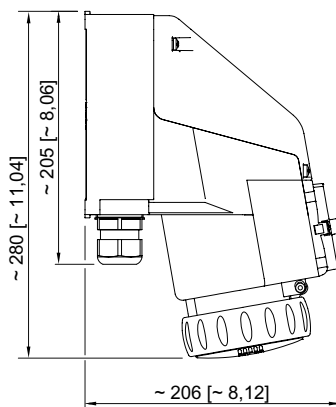
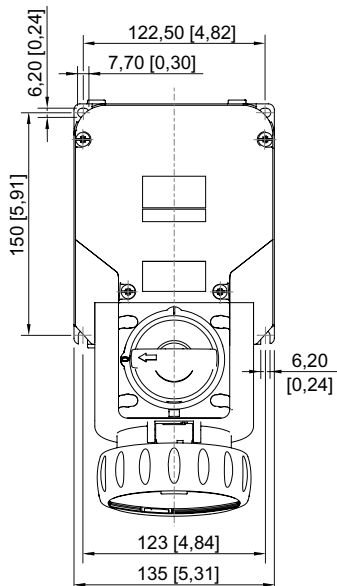
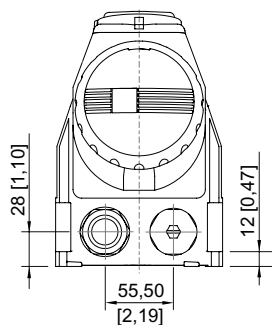
Accessories

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 mm², 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 mm², 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 mm², 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 mm², solid/finely stranded	150686	125 g
Dust cover for sockets, Series 8571			
	Retrofittable dust protection for 4-pole sockets	255005	9 g
Dust cover for sockets, series 8571			
	Retrofittable dust protection for 5-pole sockets	253117	9 g
Plug			
	8571/12-409-S-XX-X-XX-XXX 4-pole plug, 200 to 250 V AC, 50/60 Hz, 32 A	275689	500 g
	8571/12-509-S-XX-X-XX-XXX 5-pole plug, 120/208 to 144/250 V AC, 50 / 60 Hz, 32 A	275684	600 g
	8571/12-405-S-XX-X-XX-XXX 4-pole plug, 600 to 690 V AC, 50/60 Hz, 32 A	275686	500 g
	8571/12-407-S-XX-X-XX-XXX 4-pole plug, 480 to 500 V AC, 50/60 Hz, 32 A	275688	500 g
	8571/12-505-S-XX-X-XX-XXX 5-pole plug, 347/600 to 400/690 V AC, 50/60 Hz, 32 A	275681	600 g
	8571/12-507-S-XX-X-XX-XXX 5-pole plug, 277/480 to 288/500 V AC, 50/60 Hz, 32 A	275683	600 g
	8571/12-406-S-XX-X-XX-XXX 4-pole plug, 380 to 415 V AC, 50/60 Hz, 32 A	275687	500 g
	8571/12-411-S-XX-X-XX-XXX 4-pole plug, 440 to 460 V AC, 60 Hz, 32 A	275691	500 g
	8571/12-503-S-XX-X-XX-XXX 5-pole plug, 220 to 380 V AC, 50 Hz, 32 A	275678	600 g
	8571/12-506-S-XX-X-XX-XXX 5-pole plug, 200/346 to 240/415 V AC, 50/60 Hz, 32 A	275682	600 g
	8571/12-511-S-XX-X-XX-XXX 5-pole plug, 250/440 to 265/460 V AC, 60 Hz, 32 A	275685	600 g
	8571/12-410-S-XX-X-XX-XXX 4-pole plug, >50 V AC, 100 to 300 Hz, 32 A	275690	500 g
	8571/12-502-S-XX-X-XX-XXX 5-pole plug, >50 V AC, >300 to 500 Hz, 32 A	301433	600 g
	8571/12-504-S-XX-X-XX-XXX 5-pole plug, 57/100 to 75/130 V AC, 50 Hz, 32 A	275680	600 g

Spare Parts

Figure	Description	Art. No.	Weight
Repair set for Series 8571 sockets			
	Repair set 8571 hinged cover, 4-pole, black	275505	165 g
	Repair set 8571 hinged cover, 4-pole, blue	275502	165 g
	Repair set 8571 hinged cover, 4-pole, green	275501	165 g
	Repair set 8571 hinged cover, 4-pole, red	275504	165 g
	Repair set 8571 hinged cover, 5-pole, black	275490	170 g
	Repair set 8571 hinged cover, 5-pole, blue	275487	170 g
	Repair set 8571 hinged cover, 5-pole, green	275486	170 g
	Repair set 8571 hinged cover, 5-pole, red	275489	170 g
	Repair set 8571 hinged cover, 5-pole, yellow	275488	170 g

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



Wall-mounting socket