



- 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
- Appropriate Series 8571/22 plug

MY R. STAHL 8571U



R. STAHL Series 8571/21 SolConeX receptacles are an explosion-protected electrical device. It is approved for use in hazardous areas which are classified acc. to. NEC 505 for Division or Zone. The high degree of protection guarantees the highest level of protection against the penetration of dust and/or 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.

	NEC® 500 CE Code Appendix J					
	Class I		Class II		Class III	
Division	1	2	1	2	1	2
Ex interface						
Installation in		•	•	•	•	•

	CE Code Section 18 NEC® 505 NEC® 506					
	Class I					
Zone	0	1	2	20	21	22
Ex interface						
Installation in		•	•		•	•

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

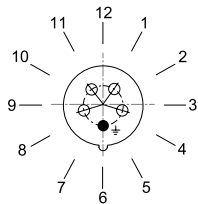
Selection Table									
Product Description									
Wall-mounting receptacle 30 A									
Figure	Detailed number of poles	Coding (clock hour position)	Rated operational voltage	Color code	Frequency range	Horsepower rating	Product Type	Art. No.	Weight
	3-pole, 4 wire	5	600 V AC	Black	50 / 60 Hz	25 HP	8571/21-405-S-51-0-00-XXX	294381	2 kg
		7	480 V AC	Red	50 / 60 Hz	20 HP	8571/21-407-S-51-0-00-XXX	294382	2 kg
		9	200 to 250 V AC	Blue	50 / 60 Hz	10 HP	8571/21-409-S-51-0-00-XXX	294383	2 kg
	4-pole, 5 wire	5	347 to 400/600 V AC	Black	50 / 60 Hz	25 HP	8571/21-505-S-51-0-00-XXX	294358	2.2 kg
		7	277/480 V AC	Red	50 / 60 Hz	20 HP	8571/21-507-S-51-0-00-XXX	294359	2.2 kg
		9	120/208 to 144/250 V AC	Blue	50 / 60 Hz	10 HP	8571/21-509-S-51-0-00-XXX	294360	2.2 kg

Technical Data	
Explosion Protection	
Scope of validity	European Union (ATEX) Canada IECEX USA
FMus certificate	FM21US0070X
cFM certificate	FM21CA0045X

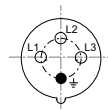
Technical Data	
Explosion Protection	
Marking FMus	Class I, Div. 2, Groups A,B,C,D; Class II, III, Div. 1, Groups E,F,G; Enclosure Type 3, 4, 4X Class I, Zone 1, AEx db eb IIC T6 ... T5 Gb Zone 21, AEx tb IIIC T76 °C Db
Marking cFM	Ex db eb IIC T6 ... T5 Gb Class I, Div. 2, Groups A,B,C,D; Class II, III, Div. 1, Groups E,F,G; Enclosure Type 3, 4, 4X Ex tb IIIC T76 °C Db
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), Canada (FM), IECEx (PTB), Taiwan (ITRI), USA (FM)
Ship approval	DNV
Electrical Data	
Rated operational current	30 A
Device Specific Data	
Back-up fuse with thermal protection	63 A gG
Back-up fuse without thermal protection	35 A gG
Ambient Conditions	
Ambient temperature	-58 °F to +149 °F
Ambient temperature	-50 °C to +65 °C
Notes	For further information, see the operating instructions.
Mechanical Data	
Enclosure type (NEMA250)	3, 4, 4X
Degree of protection IP (IEC 60529)	IP66
IP degree of protection (IEC 60079)	IP64
Enclosure material	Polyamide, Glass fiber reinforced
Silicone-free	No
Connection cross-section AWG single stranded	1 x AWG 14 ... 2 x AWG 8
Solid connection cross-section	1 x 2.5 mm ² ... 2 x 10 mm ²
Finely stranded connection cross-section AWG	1 x AWG 14 ... 2 x AWG 10
Finely stranded connection cross-section	1 x 2.5 mm ² ... 2 x 6 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
Components	
Cable entry note	Entry 1: Bottom left Entry 2: Bottom right
Entry 1 model	Can be ordered as accessories
Entry 1	NPT 1"
Metal entry possible 1	Yes
Entry 2 model	CMP-767D M32
Entry 2 type	Stopping plug NB
Entry 2	M32 x 1.5
Metal entry possible 2	No
Notes	Metal insert: Contains a brass plate with threaded holes Cable gland position: Bottom (standard); acc. to order, can also be on the top or side

Arrangement of earth contact sleeves

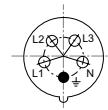
Position of clock hour position
Example: 6 h position



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	Product Type	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 AWG 20 to 2 x AWG 14, 1 x 0.5 to 2 x 2.5 mm ² , solid/finely stranded	-	150688	20 g
	1 NO Max. 500 V AC, max. 110 V DC Max. 6 A 1 x AWG 20 to 2 x AWG 14, 1 x 0.5 to 2 x 2.5 mm ² , solid/finely stranded	-	150690	200 g
	1 NO, gold-plated contact Max. 500 V AC, max. 110 V DC Max. 6 A 1 x AWG 20 to 2 x AWG 14, 1 x 0.5 to 2 x 2.5 mm ² , solid/finely stranded	-	150692	1 g
Dust cover for receptacles, series 8571				
	Retrofittable dust protection for 3-pole, 4 wire sockets	-	255005	9 g
	Retrofittable dust protection for 4-pole, 5 wire sockets	-	253117	9 g
Plug				
	plug, 3-pole, 4 wire, 600 V AC, 50 / 60 Hz, 30 A	8571/22-405-S-XX-X-XX-XXX	294405	500 g
	plug, 3-pole, 4 wire, 480 V AC, 50 / 60 Hz, 30 A	8571/22-407-S-XX-X-XX-XXX	294406	500 g
	plug, 3-pole, 4 wire, 200 to 250 V AC, 50 / 60 Hz, 30 A	8571/22-409-S-XX-X-XX-XXX	294407	500 g
	plug, 4-pole, 5 wire, 347 to 400/600 V AC, 50 / 60 Hz, 30 A	8571/22-505-S-XX-X-XX-XXX	294402	600 g
	plug, 4-pole, 5 wire, 277/480 V AC, 50 / 60 Hz, 30 A	8571/22-507-S-XX-X-XX-XXX	294403	600 g
	plug, 4-pole, 5 wire, 120/208 to 144/250 V AC, 50 / 60 Hz, 30 A	8571/22-509-S-XX-X-XX-XXX	294404	600 g

Spare Parts

Figure	Description	Art. No.	Weight
Repair set for receptacles series 8571			
	8571 3-pole, 4 wire, hinged cover repair set, black	275505	165 g
	8571 3-pole, 4 wire, hinged cover repair set, blue	275502	165 g
	8571 3-pole, 4 wire, hinged cover repair set, red	275504	165 g
	8571 4-pole, 5 wire, hinged cover repair set, black	275490	170 g
	8571 4-pole, 5 wire, hinged cover repair set, blue	275487	170 g
	8571 4-pole, 5 wire, hinged cover repair set, red	275489	170 g

