

8571/11-509-S-01-0-00-XXX Art. No. 276180



- 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

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

Technical Data

Explosion Protection

Area of application	European Union (ATEX) IECEx
Area of application Note	Other country markings available on request
Application range (zones)	1, 2, 21, 22
IECEx gas certificate	IECEx PTB 05.0024
IECEx gas explosion protection	Ex db eb IIC T6 ... T5 Gb
IECEx dust certificate	IECEx PTB 05.0024
IECEx dust explosion protection	II tb IIIC T76 °C Db
ATEX gas certificate	PTB 04 ATEX 1060
ATEX gas explosion protection	Ex II 2 G Ex db eb IIC T6 ... T5 Gb
ATEX dust certificate	PTB 04 ATEX 1060
ATEX dust explosion protection	Ex II 2 D Ex tb IIIC T76 °C Db
Certificates	ATEX (PTB), Brazil (ULB), IECEx (PTB), India (PESO), Korea (KTL), Taiwan (ITRI)
Ship approval	DNV
Declaration of conformity	ATEX (EUK), China (CCC)

Electrical Data

Type of voltage	Low voltage
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Electrical Data

AC rated operational voltage	120/208 ... 144/250 V AC
Frequency	50 / 60 Hz
Rated operational current	32 A
Electrical service life	> 2x10 ³ switching cycles
Mechanical service life	> 2x10 ³ switching cycles
Utilisation category	AC-3: 690 V / 32 A DC-1: 110 V / 32 A UL508: 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
Frequency range	50 / 60 Hz

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	-50 °C ... 25 °C -50 °C ... 65 °C
Ambient temperature	-50 °C to +65 °C
Ambient temperature	-58 °F to +149 °F
Ambient temperature note	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 mm ² ... 2 x 10 mm ²
Connection cross-section AWG single stranded	1 x AWG 14 ... 2 x AWG 8
Finely stranded connection cross-section	1 x 2.5 mm ² ... 2 x 6 mm ²
Finely stranded connection cross-section AWG	1 x AWG 14 ... 2 x AWG 10
Detailed number of poles	3 P + N + PE
Width	135 mm
Width, inches	5.31 in
Height	206 mm
Height in inches	8.12 in
Length	280 mm
Length in inches	11.04 in
Impact strength (IEC 60079)	7 J
Impact strength (IEC 62262)	IK10
Colour code	Blue
Coding (clock hour position)	9
Lockable in	in 0- and I-position
Interlock	Prevents the plug from being pulled under load
Series	SolConeX

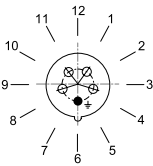
Installation equipment
32 A wall-mounting socket



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Mechanical Data	
Weight	2.2 kg
Weight	4.85 lb
Mounting / Installation	
Connection	Screw terminal
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, inch	0.35 – 0.83 in
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

Technical Drawings – Subject to Alterations



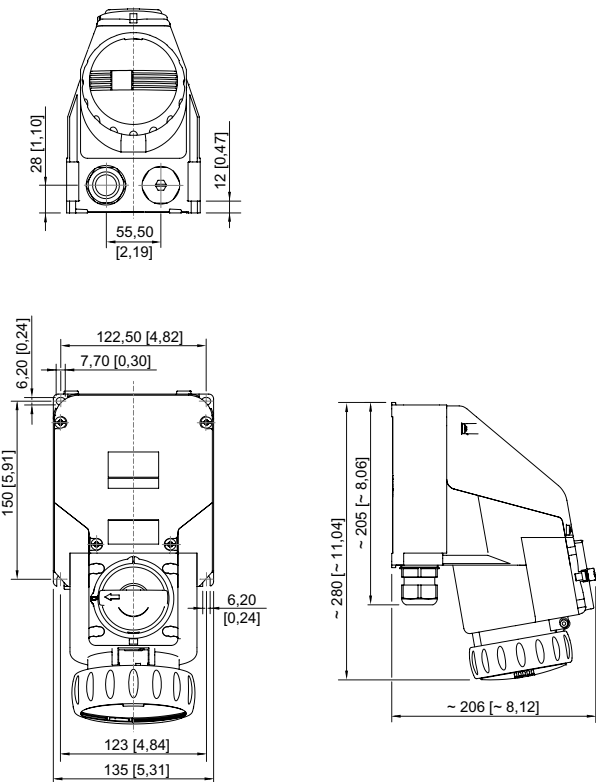
Position of clock hour position
Example: 6 h position

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

Installation equipment
32 A wall-mounting socket

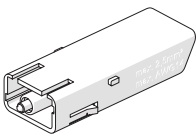


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Wall-mounting socket

Accessories

Auxiliary contact optional, pluggable by the user, easy to retrofit		Art. No.
	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
	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
	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
	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
Dust cover for sockets, series 8571		Art. No.
	Retrofittable dust protection for 5-pole sockets	253117

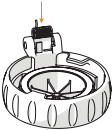
Installation equipment
32 A wall-mounting socket



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Plug		Art. No.
	8571/12-509-S-XX-X-XX-XXX 5-pole plug, 120/208 to 144/250 V AC, 50 / 60 Hz, 32 A	275684

Spare Parts

Repair set for Series 8571 sockets		Art. No.
	Repair set 8571 hinged cover, 5-pole, blue	275487

We reserve the right to make alterations to the technical data, dimensions, weights, designs and products available without notice. The illustrations cannot be considered binding.