

Installation Equipment

Flange socket 16 A

Flange socket

8570/15-309-S-XX-X-00-XXX Art. No. 272867



- 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

WebCode **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.

Technical Data

Explosion Protection

Scope of validity	European Union (ATEX) IECEx
Scope of validity Note	Other country markings available on request
Application range (zones)	1 2 21 22
IECEx gas certificate	IECEx PTB 19.0018U
IECEx gas explosion protection	Ex db eb IIC Gb
IECEx dust certificate	IECEx PTB 19.0018U
IECEx dust explosion protection	Ex tb IIIC Db
ATEX gas certificate	PTB 19 ATEX 1005 U
ATEX gas explosion protection	Ex II 2 G Ex db eb IIC Gb
ATEX dust certificate	PTB 19 ATEX 1005 U
ATEX dust explosion protection	Ex II 2 D Ex tb IIIC Db
Certificates	ATEX (PTB), Brazil (ULB), China (CQST), IECEx (PTB)
Ship approval	DNV

Electrical Data

Rated operational voltage	380 to 415 V AC
Rated operational current	16 A
Rated operational current note	Usable for up to 20 A depending on the connection cross-section
Electrical service life	> 5x10 ³ switching cycles
Mechanical service life	> 5x10 ³ switching cycles
Type of voltage	Low voltage

Installation Equipment

Flange socket 16 A

Flange socket

8570/15-309-S-XX-X-00-XXX Art. No. 272867

STAHL

Electrical Data

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
Frequency range	50 / 60 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 ... +65 °C
Ambient temperature	-58 °F ... +149 °F
Ambient temperature note	For further information, see the operating instructions.

Mechanical Data

IP degree of protection (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
Connection cross-section AWG single stranded	1 x AWG 16 ... 2 x AWG 10
Finely stranded connection cross-section	1 x 1.5 mm ² ... 2 x 4 mm ²
Finely stranded connection cross-section AWG	1 x AWG 16 ... 2 x AWG 12
Width	84 mm
Width in inches	3.31 in
Height	124 mm
Height, inches	4.88 in
Length	186 mm
Length, inches	7.31 in
Impact strength (IEC 60079)	7 J
Impact strength (IEC 62262)	IK10
Colour code	Red
Coding (clock hour position)	9
Lockable in	in 0- and I-position
Interlock	Prevents the plug from being pulled under load
Series	SolConeX
Detailed number of poles	2 P + PE
Weight	0.7 kg
Weight	1.54 lb

Mounting / Installation

Connection	Screw terminal
------------	----------------

Installation Equipment

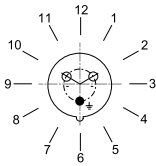


Flange socket 16 A

Flange socket

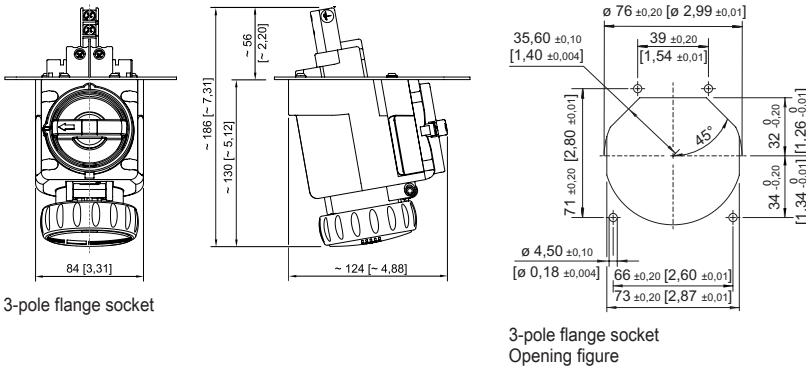
8570/15-309-S-XX-X-00-XXX Art. No. 272867

Technical Drawings – Subject to Alterations



Position of clock hour position
Example: 6 h position

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



Accessories

Auxiliary contact optional, can be connected 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 16 A sockets, series 8570		Art. No.
	Retrofittable dust protection for 3-pole sockets	253118

Spare Parts

Repair set for 8570 series 16 A sockets	Art. No.
---	----------

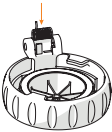
Installation Equipment



Flange socket 16 A

Flange socket

8570/15-309-S-XX-X-00-XXX Art. No. 272867

	8570 3-pole hinged cover repair set, red	274118
--	--	--------

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.