

Installation equipment

16 A compact wall-mounting socket Extra-low voltage



8573/13-302 Art. No. 241384



- Compact design
- 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

MY R. STAHL 8573B



The sockets of the new R. STAHL Series 8573/13 are for 2- or 3-pole applications up to 16 A. The compact sockets for extra-low voltages up to 50 V are made from robust and chemical-resistant plastics. Self-cleaning lamellar contacts provide optimum contact. The integrated rotary switch mechanism and the integrated locking device reliably prevent the plugs from disconnecting under load.

The new Series 8573/13 compact socket replaces Series 8575 sockets, is 100% compatible with this series and can be used with Series 8575 plugs.

Technical Data

Explosion Protection

Area of application	European Union (ATEX) IECEX China (CQST)
Application range (zones)	1, 2, 21, 22
IECEX gas certificate	IECEX PTB 16.0029
IECEX gas explosion protection	Ex db eb IIC T6 Gb
IECEX dust certificate	IECEX PTB 16.0029
IECEX dust explosion protection	Ex tb IIIC T70 °C Db
ATEX gas certificate	PTB 16 ATEX 1017
ATEX gas explosion protection	II 2 G Ex db eb IIC T6 Gb
ATEX dust certificate	PTB 16 ATEX 1017
ATEX dust explosion protection	II 2 D Ex tb IIIC T70 °C Db
Certificates	ATEX (PTB), China (CQST), IECEX (PTB)
Declaration of conformity	ATEX (EUK), China (CCC)
Explosion protection note	Product label may vary. Series devices are labelled with ATEX and IECEX.

Electrical Data

Rated operational voltage AC	20 ... 25 & 40 ... 50 V AC
Rated operational current	max. 12 A
Rated operational current	12 A
Electrical service life	> 5x10 ³ switching cycles
Mechanical service life	> 5x10 ³ switching cycles
Type of voltage	Extra-low voltage
Frequency range	300 Hz

Device Specific Data

Back-up fuse with thermal protection	35 A gG
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STAHL

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Device Specific Data

Back-up fuse without thermal protection	16 A gG
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Ambient Conditions

Ambient temperature	-50 °C to +60 °C
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Ambient temperature	-58 °F to +140 °F
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Ambient temperature note	For further information, see the operating instructions.
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Mechanical Data

Degree of protection IP (IEC 60529)	IP66
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IP degree of protection (IEC 60079)	IP64
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Enclosure material	Polyamide, Glass fibre reinforced
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Silicone-free	No
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Silicone-free note	Optional: Silicone-free variant available on request (ambient temperature -40 °C to +60 °C)
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Solid connection cross-section	1 x 0.75 mm ² ... 2 x 4 mm ²
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Connection cross-section AWG single stranded	1 x AWG 18 ... 2 x AWG 12
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Finely stranded connection cross-section	1 x 0.75 mm ² ... 2 x 4 mm ²
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Finely stranded connection cross-section AWG	1 x AWG 18 ... 2 x AWG 12
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Width	106 mm
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Width, inches	4.17 in
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Height	138 mm
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Height in inches	5.43 in
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Length	180 mm
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Length in inches	7.08 in
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Impact strength (IEC 60079)	7 J
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Colour code	Green
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Coding (clock hour position)	2
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Series	SolConeX
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Detailed number of poles	3 P
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Weight	300 g
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Weight	0.66 lb
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Mounting / Installation

Connection	Screw terminal
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Components

Cable entry note	Entry 1: Bottom left Entry 2: Bottom right
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Sopping plug note	When used in an application range of < -40 °C, the seal is only intended for one-time installation. Replace the seal before installing it again
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Entry 1 model	8161/7-M25-1707-LT
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Entry 1 type	Polyamide cable gland
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Entry 1	M25 x 1.5
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Entry 1 clamping range	7 – 17 mm
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Entry 1 clamping range, inch	0.28 – 0.67 in
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Metal entry possible 1	No
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Entry 2 model	8290/3-M25
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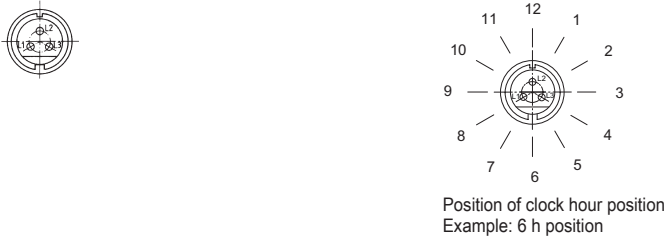


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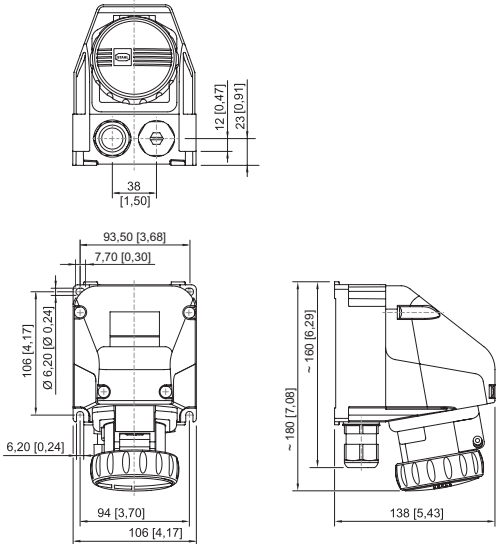
Components

Entry 2 type	Polyamide stopping plug
Entry 2	M25 x 1.5
Metal entry possible 2	No

Technical Drawings – Subject to Alterations



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

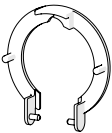


Compact wall-mounting socket, extra-low voltage

Accessories

Dust cover for socket, compact, extra-low voltage, Series 8573/13

Art. No.



Retrofittable dust protection for 2/3-pole sockets

257439

Plug

Art. No.



8573/12-302 3-pole, 20 to 25 V & 40 to 50 V, 300 Hz, 16 A

243191

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