



- 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 8579E



The R. STAHL Series 8579/12 plugs for Zone 1/21 are 4- or 5-pole versions up to 63 A. They can be plugged and unplugged simply and easily thanks to floating pins. The pivoting strain relief makes it easier to install the cable. Self-cleaning and corrosion-free plug pins made from high-quality materials ensure optimum electrical contact.

Technical Data

Explosion Protection

Area of application	European Union (ATEX) IECEX China (CQST)
Area of application Note	Other country markings available on request
Application range (zones)	1, 2, 21, 22
IECEX gas certificate	IECEX PTB 06.0020
IECEX gas explosion protection	Ex db eb IIC T6 ... T5 Gb
IECEX dust certificate	IECEX PTB 06.0020
IECEX dust explosion protection	Ex tb IIIC T60 °C / T75 °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 T60 °C / T75 °C Db
Certificates	ATEX (PTB), Brazil (ULB), China (CQST), IECEX (PTB), Korea (KGS), Taiwan (ITRI)
Declaration of conformity	ATEX (EGK), China (CCC)

Electrical Data

Type of voltage	Low voltage
AC rated operational voltage	480 ... 500 V AC
Rated operational current	63 A
Rated operational current	max. 63 A
Mechanical service life	> 1x10 ³ mating cycles
Frequency range	50 / 60 Hz

Ambient Conditions

Ambient temperature	-45 °C to +55 °C
Ambient temperature	-49 °F to +131 °F

Mechanical Data

Degree of protection IP (IEC 60529)	IP66
IP degree of protection (IEC 60079)	IP66
Enclosure material	Polyamide

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Mechanical Data

Silicone-free	No
Finely stranded connection cross-section	1 x 2.5 mm ² ... 1 x 16 mm ²
Finely stranded connection cross-section AWG	1 x AWG 14 ... 1 x AWG 6
Width	113 mm
Width, inches	4.45 in
Height	113 mm
Height in inches	4.45 in
Length	264 mm
Length in inches	10.39 in
Impact strength (IEC 60079)	7 J
Impact strength (IEC 62262)	IK10
Colour code	Black
Coding (clock hour position)	7
Series	SolConeX
Detailed number of poles	3 P + PE
Weight	880 g
Weight	1.94 lb

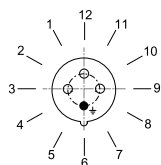
Mounting / Installation

Connection	Screw terminal
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Components

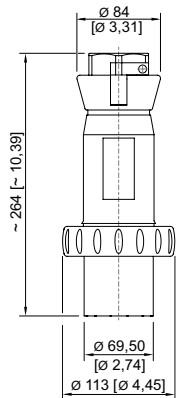
Cable diameter	24 – 36 mm
Cable diameter inch	0.94 – 1.42 in

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

63 A plug

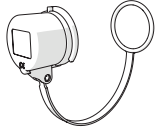


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Accessories

Protective cap for Series 8579 plug

Art. No.



4/5-pole

153261

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.