

8150/2-0176-0176-091-3311 Art. No. 278814



- Resistant Ex i terminal boxes made of stainless steel
- Degree of protection IP66
- External earth connection M8
- Version as screw-on cover for other alternatives contact factory
- Equipped as required

MY R. STAHL 8150M



R. STAHL Series 8150 Ex i terminal boxes are made of brushed stainless steel (DIN 1.4301, ANSI 304 or DIN 1.4404, ANSI 316L) and are particularly resistant. The optimised design and the circumferential protection channel on the cover opening and the silicone seal suitable for the most extreme temperature ranges make the enclosure usable worldwide. Various optional accessories are available.

Technical Data

Explosion Protection

Scope of validity	NEC® CE Code
Application range (zones)	1, 2, 21, 22
Certification ULus	E177642
Certification cUL	E177642
Marking ULus	Class I, Zone 1 IIC T6 Class I, Div. 1, 2, Groups A,B,C,D Class II, Div. 1, 2, Groups E,F,G Class III Enclosure Type 3, 4, 4X
Marking cUL	Class I, Zone 1 IIC T6 Class I, Div. 1, 2, Groups A,B,C,D Class II, Div. 1, 2, Groups E,F,G Class III Enclosure Type 3, 4, 4X

Electrical Data

Rated operational voltage AC IEC	60 V
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Ambient Conditions

Ambient temperature °C	-50 °C ... +75 °C
Ambient temperature °F	-58 °F ... +167 °F

Mechanical Data

Degree of protection IP (IEC 60529)	IP66
Degree of protection (IP) UL	IP66
Enclosure material	Stainless steel 1.4404, (AISI 316L), brush finished
Material note	special version on request
External protective conductor connection	M8
Silicone-free	No
Connection cross-section	2.5 mm ²

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Mechanical Data

Connection cross-section AWG	14 AWG
Cover fixing type	With captive screws
Cover thickness	2 mm
Cover thickness inch	0.079 in
Wall thickness	1.5 mm
Wall thickness, inches	0.059 in
Dimensions (WxHxD)	176.5 x 176.5 x 91 mm
Dimensions (WxHxD) inch	7 x 7 x 3.6 inch
Width	176.5 mm
Width, inches	6.945 in
Height	176.5 mm
Height, inches	6.945 in
Depth	91 mm
Depth, inches	3.583 in
Weight	8 kg
Weight	17.64 lb

Mounting / Installation

Tightening torque of cover screw 1	4.5 Nm
Tightening torque of cover screw 1 lbf in	39.83 lbf in

Components

Flange and plates	Without flange
Entries installation options/side	Without drilled holes
Terminal rail	35 x 133 mm (1x)
Terminal rail	1.38 x 5.24" (1x)
Type of terminals 1	1 x Phoenix UT 2-conductor, 2.5 mm ² , blue
Type of terminals 2	1 x Phoenix UT 2-conductor, 2.5 mm ² , grey
PA terminal	1 x Phoenix UT PE 2-conductor, 2.5 mm ² , green-yellow

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

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.