

8150/1-0176-0176-091-3311 Art. No. 278810



- Resistant Ex e 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 8150L



R. STAHL Series 8150 Ex e 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

Area of application	European Union (ATEX) IECEX NEC® CE Code
Application range (zones)	1, 2, 21, 22
IECEX gas certificate	IECEX PTB 09.0048
IECEX gas explosion protection	Ex eb IIC T6 ... T4 Gb
IECEX dust certificate	IECEX PTB 09.0048
IECEX dust explosion protection	Ex tb IIIC T80 °C ... T135 °C Db
ATEX gas certificate	PTB 09 ATEX 1108
ATEX gas explosion protection	⊕ II 2 G Ex eb IIC T6 ... T4 Gb
ATEX dust certificate	PTB 09 ATEX 1108
ATEX dust explosion protection	⊕ II 2 D Ex tb IIIC T80 °C ... T135 °C Db
Certification ULus	E177642
Certificate cUL	E177642
Marking ULus	Class I, Zone 1 AEx e IIC T6, T5 Class I, Div. 2, Groups A,B,C,D Enclosure Type 3, 4, 4X
Marking cUL	Class I, Zone 1 Ex e IIC T6, T5 Class I, Div. 2, Groups A,B,C,D Enclosure Type 3, 4, 4X
Certificates	ATEX (PTB), Canada (UL), IECEX (PTB), Taiwan (ITRI), USA (UL)

Electrical Data

Rated operational voltage AC IEC	690 V
Rated operational voltage AC UL	600 V

Installation equipment

Ex e terminal box



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Ambient Conditions

Ambient temperature °C	-50 °C ... +40 °C (T6) (T80 °C) -50 °C ... +55 °C (T5) (T95 °C) -50 °C ... +85 °C (T4) (T135 °C)
Ambient temperature °F	-58°F ... +104°F (T6) (T80 °C) -58°F ... +131°F (T5) (T95 °C) -58°F ... +185°F (T4) (T135 °C)

Mechanical Data

IP degree of protection (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	10 mm ²
Connection cross-section AWG	8 AWG
Cover thickness	2 mm
Cover thickness in inches	0.079 in
Wall thickness	1.5 mm
Wall thickness in 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 in inches	6.945 in
Depth	91 mm
Depth in inches	3.583 in
Weight	8 kg
Weight	17.64 lb

Mounting / Installation

Tightening torque lbf in	0 lbf-in
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, 10 mm ² , grey
Type of grounding terminal 1	1 x Phoenix UT PE 2-conductor, 10 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.