



- 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

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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.

	NEC® 500 CE Code Appendix J					
	Class I		Class II		Class III	
Division	1	2	1	2	1	2
Installation in		•				

	CE Code Section 18 NEC® 505						NEC® 506		
	Class I								
Zone	0	1	2	20	21	22			
Installation in			•						

	IECEX / ATEX					
	0	1	2	20	21	22
Installation in		•	•		•	•

Selection Table

Product description Enclosure material		Ex e terminal box Stainless steel 1.4404, (AISI 316L), brush finished						
Figure	Dimensions (WxHxD) inch	Type of terminals 1	Type of grounding terminal 1	Terminal rail	Max. no. of terminals 10 mm² / AWG 8	Product Type	Art. No.	Weight lb
	7 x 7 x 3.6 inch	1 x Phoenix UT 2-conductor, 10 mm², grey	1 x Phoenix UT PE 2-conductor, 10 mm², green- yellow	35 x 133 mm (1x)	9	8150/1-0176-0176- 091-3311	278810	17.64 lb
	9.3 x 7 x 3.6 inch	1 x Phoenix UT 2-conductor, 10 mm², grey	1 x Phoenix UT PE 2-conductor, 10 mm², green- yellow	35 x 189 mm (1x)	13	8150/1-0236-0176- 091-3311	278811	17.64 lb
	14.2 x 7 x 5.9 inch	1 x Phoenix UT 2-conductor, 10 mm², grey	1 x Phoenix UT PE 2-conductor, 10 mm², green- yellow	35 x 301 mm (1x)	26	8150/1-0360-0176- 150-3311	278812	17.64 lb
	14.2 x 14.2 x 5.9 inch	1 x Phoenix UT 2-conductor, 10 mm², grey	1 x Phoenix UT PE 2-conductor, 10 mm², green- yellow	35 x 301 mm (1x)	26	8150/1-0360-0360- 150-3311	278813	17.64 lb

The enclosures are equipped with mounting rails and 1 terminal block of the specified type.
Hinges, or quarter-turn latch on request, contact factory.

Technical Data

Explosion Protection	
Certification ULus	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

Technical Data

Explosion Protection

Certificate cUL	E177642
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
IECEx gas explosion protection	Ex eb IIC T6 ... T4 Gb
IECEx dust explosion protection	Ex tb IIIC T80 °C ... T135 °C Db
Certificates	ATEX (PTB), Canada (UL), China (NEPSI), IECEx (PTB), Taiwan (ITRI), USA (UL)

Electrical Data

Rated operational voltage AC UL	600 V
Rated operational voltage AC IEC	690 V
Notes	depend on the terminal type used and the explosion protected components

Ambient Conditions

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

Mechanical Data

Degree of protection (IP) UL	IP66
Degree of protection IP (IEC 60529)	IP66
Silicone-free	No
Connection cross-section AWG	8 AWG
Connection cross-section	10 mm²
Material note	special version on request
Cover thickness in inches	0.079 in
Cover thickness	2 mm
Wall thickness in inches	0.059 in
Wall thickness	1.5 mm

Components

Notes	Please refer to the manufacturer's terminal data, e. g. the tightening torque
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