



- 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.

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

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

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

Selection Table								
Product Description	Ex e terminal box							
Enclosure material	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
	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	8 kg
	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	8 kg
	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	8 kg
	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	8 kg

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

Technical Data	
<b>Explosion Protection</b>	
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
Certification 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), IECEX (PTB), Taiwan (ITRI), USA (UL)
<b>Electrical Data</b>	
Rated operational voltage AC UL	600 V
Rated operational voltage AC IEC	690 V
Current carrying capacity NEC®, CE Code	Max. 65 A
Current carrying capacity IEC	max. 54 A
Notes	depend on the terminal type used and the explosion protected components
<b>Ambient Conditions</b>	
Ambient temperature °F	-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)
<b>Mechanical Data</b>	
Degree of protection (IP) UL	IP66
Degree of protection IP (IEC 60529)	IP66
Silicone-free	No
Connection cross-section AWG	AWG 8
Connection cross-section	10 mm²
Material note	special version on request
<b>Components</b>	
Notes	Please refer to the manufacturer's terminal data, e. g. the tightening torque