



- 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

WebCode 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 CEC Appendix J					
	Class I		Class II		Class III	
Division	1	2	1	2	1	2
Ex interface						
Installation in		•				

	CEC 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	DIN 1.4404 stainless steel, (ANSI 316L), brush finished							
Figure	Dimensions (WxHxD) inch	Type of terminals 1	Type of grounding terminal 1	Terminal rail	Max. no. of terminals 10 mm <sup>2</sup> / AWG 8	Product Type	Art. No.	Weight lb
	7 x 7 x 3.6 inch	1 x Phoenix UT 2-conductor, 10 mm <sup>2</sup> , grey	1 x Phoenix UT 2-conductor, 10 mm <sup>2</sup> , green-yellow	35 x 133 mm (1x)	9	8150/1-0176-0176-091-3311	278810	5.6
	9.3 x 7 x 3.6 inch	1 x Phoenix UT 2-conductor, 10 mm <sup>2</sup> , grey	1 x Phoenix UT 2-conductor, 10 mm <sup>2</sup> , green-yellow	35 x 189 mm (1x)	13	8150/1-0236-0176-091-3311	278811	6.81
	14.2 x 7 x 5.9 inch	1 x Phoenix UT 2-conductor, 10 mm <sup>2</sup> , grey	1 x Phoenix UT 2-conductor, 10 mm <sup>2</sup> , green-yellow	35 x 301 mm (1x)	26	8150/1-0360-0176-150-3311	278812	7.1
	14.2 x 14.2 x 5.9 inch	1 x Phoenix UT 2-conductor, 10 mm <sup>2</sup> , grey	1 x Phoenix UT 2-conductor, 10 mm <sup>2</sup> , green-yellow	35 x 301 mm (1x)	26	8150/1-0360-0360-150-3311	278813	14.7

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	
USA certificate UL	E177642V1S2

## Technical Data

### Explosion Protection

CAN certificate UL	E177642V1S2
USA marking UL	Class I, Div. 2, Groups A,B,C,D Class I, Zone 1, AEx e IIC T6,T5,T4
CAN marking UL	Class I, Div. 2, Groups A,B,C,D Class I, Zone 1, Ex e IIC T6,T5,T4
IECEX gas explosion protection	Ex eb IIC T6/T5/T4 Gb
IECEX dust explosion protection	Ex tb IIIC T80 °C ... T95 °C ... T135 °C Db
Certificates	ATEX (PTB), China (CQST), EAC (LPE), IECEX (PTB), India (PESO), Korea (KGS), Taiwan (ITRI)
Ship approval	GL

### Electrical Data

Rated operational voltage AC NEC, CEC	600 V
Rated operational voltage AC IEC	690 V
Current carrying capacity NEC, CEC	max. 65 A
Current carrying capacity IEC	max. 54 A
Notes	depend on the terminal type used and the explosion protected components

### Ambient Conditions

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)

### Mechanical Data

Degree of protection IP (IEC 60529)	IP66
Silicone-free	No
Connection cross-section	10 mm <sup>2</sup>
Material note	special version on request

### Components

Notes	Please refer to the manufacturer's terminal data, e. g. the tightening torque
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**Maximum Number of Holes for NPT Openings**

**Attention:**  
Entry hardware as listed in selection maximum number of holes for NPT openings.

Holes for NPT openings	Enclosure size							
	<b>8150/.-0176-116-091-.3.1</b>		<b>8150/.0176-0236-091-.3.1</b>		<b>8150/.0300-0200-150-.3.1</b>		<b>8150/.-0360-0176-150-.3.1</b>	
	without flange		without flange		without flange		without flange	
Size	A/B	C/D	A/B	C/D	A/B	C/D	A/B	C/D
1/2"	3	2	4	3	12	6	7	3
3/4"	3	1	4	3	10	6	6	3
1"	2	1	3	2	8	6	5	2
1-1/4"	-	-	-	-	4	2	-	-
1-1/2"	-	-	-	-	3	2	-	-
2"	-	-	-	-	2	1	-	-
2-1/2"	-	-	-	-	2	1	-	-
3"	-	-	-	-	-	-	-	-
	<b>8150/.-0360-0360-150-.3.1</b>		<b>8150/.-0400-0300-150-.3.1</b>		<b>8150/.-0400-0400-150-.3.1</b>		<b>8150/.-0600-0400-150-.3.1</b>	
	without flange		without flange		without flange		without flange	
Size	A/B	C/D	A/B	C/D	A/B	C/D	A/B	C/D
1/2"	7	7	16	12	16	16	16	24
3/4"	6	6	14	10	14	14	14	22
1"	5	5	12	8	12	12	12	18
1-1/4"	-	-	5	4	5	5	5	8
1-1/2"	-	-	4	3	4	4	4	7
2"	-	-	4	2	4	4	4	6
2-1/2"	-	-	3	2	3	3	3	5
3"	-	-	-	-	-	-	-	-
	<b>8150/.-0727-0360-150-.3.1</b>							
	without flange							
Size	A/B	C/D						
1/2"	14	30						
3/4"	12	28						
1"	10	22						
1-1/4"	4	10						
1-1/2"	4	8						
2"	3	7						
2-1/2"	3	6						
3"	-	-						