



- 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

WebCode **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.

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

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Selection Table								
Product Description	Ex i terminal box							
Enclosure material	DIN 1.4404 stainless steel, (ANSI 316L), brush finished							
Figure	Dimensions (WxHxD) inch	Type of terminals	1 PA terminal	Terminal rail	Max. no. of terminals 2.5 mm² / AWG 14	Product Type	Art. No.	Weight lb
	7 x 7 x 3.6 inch	1 x Phoenix UT 2-conductor, 2.5 mm², blue	1 x Phoenix UT 2.5 mm², grey	35 x 133 mm (1x)	19	8150/2-0176-0176-091-3311	278814	5.6
	9.3 x 7 x 3.6 inch	1 x Phoenix UT 2-conductor, 2.5 mm², blue	1 x Phoenix UT 2.5 mm², grey	35 x 189 mm (1x)	27	8150/2-0236-0176-091-3311	278817	6.81
	14.2 x 7 x 5.9 inch	1 x Phoenix UT 2-conductor, 2.5 mm², blue	1 x Phoenix UT 2.5 mm², grey	35 x 301 mm (1x)	52	8150/2-0360-0176-150-3311	278818	7.1
	14.2 x 14.2 x 5.9 inch	1 x Phoenix UT 2-conductor, 2.5 mm², blue	1 x Phoenix UT 2.5 mm², grey	35 x 301 mm (1x)	52	8150/2-0360-0360-150-3311	278819	14.7

The enclosures are equipped with mounting rails and 1 terminal block of the specified type. Hinges on request.

Technical Data	
Explosion Protection	
USA marking	Class I, Div. 1,2, Groups A,B,C,D; Class II, Div. 1,2, Groups E,F,G; Class I, Zone 1, Group IIC T6; Class III

Technical Data	
Explosion Protection	
CAN marking	Class I, Div. 1,2, Groups A,B,C,D; Class II, Div. 1,2, Groups E,F,G; Class I, Zone 1, Group IIC T6; Class III
IECEx gas explosion protection	Ex ia ib IIC T6 Gb
IECEx dust explosion protection	Ex tb IIIC T80 °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 IEC	60 V
Notes	depends on the terminal type used and the explosion protected components
Ambient Conditions	
Ambient temperature °F	-58 °F ... +167 °F
Ambient temperature °C	-50 °C ... +75 °C
Mechanical Data	
Degree of protection IP (IEC 60529)	IP66
Silicone-free	No
Connection cross-section	2.5 mm ²
Material note	special version on request
Components	
Notes	Please refer to the manufacturer's terminal data, e. g. the tightening torque

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							
	8150/.-0176-116-091-.3.1		8150/.0176-0236-091-.3.1		8150/.0300-0200-150-.3.1		8150/.-0360-0176-150-.3.1	
	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"	-	-	-	-	-	-	-	-
	8150/.-0360-0360-150-.3.1		8150/.-0400-0300-150-.3.1		8150/.-0400-0400-150-.3.1		8150/.-0600-0400-150-.3.1	
	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"	-	-	-	-	-	-	-	-
	8150/.-0727-0360-150-.3.1							
	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"	-	-						