

EXTREME

Certifications

Environments

-60 Degrees C



STAHL

- Same Day Quotes
- Over 10 sizes stocked

Flexibility

Service

+70 Degrees C

8150 Extreme Enclosure

The Enclosure That Does It All

Series 8150 Terminal Box

Flexibility

- 304 OR 316L Stainless
- Hinges, removable covers
- Many mounting arrangements
- Terminal Boxes or Control Panels
- Certified to be modified in the field*

Service

- Same Day Quotes
- Over 10 sizes stocked

Environments

- -60°C to +70°C
- IP66
- Corrosion Resistance

*8150 terminal boxes are certified to add terminals, and entries according to R. STAHL documented specifications in the field

Advantages of the Series 8150



12660E00

The new form of the edges allows quick water drainage and prevent water from accumulating around the gasket. This solution helps to increase the safety inside the enclosure.



13128E00

The flange plate mounted from the outside is another advantage of this enclosure: This guarantees a perfect accessibility - even if the cables are already built-in.



13130E00

The large beam width allows you a comfortable access and an easy and fast handling.



12659E00

If regular access is required, the version equipped with a cam lock and a hinge is recommended.



13129E00

The earth connection M8 is already included in the delivery. In addition, there are different mounting possibilities.

8150/ <u>a</u> - <u>bbbb</u> - <u>cccc</u> - <u>ddd</u> - <u>e f g h</u> - <u>i jjj</u> - <u>kk</u> <u>L</u>		
a 1 = Ex e or Ex e ia/ib or AEx 2 = Ex i	Example	8150/1-0400-0300-230-2311-a012-gpabc
	Description	400x300x230, 304sst, no hinge, with (12) 2.5mm terminals, gland plates on sides A, B, C, D
bbbb (width) 0176 mm 0236 mm 0300 mm 0360 mm 0400 mm 0550 mm 0600 mm 0727 mm 0787 mm	ddd (depth) 091 mm 150 mm 190 mm 230 mm	i a = 2.5mm ² terminal (26-12) b = 4mm ² terminal (26-10) c = 6mm ² terminal (24-8) d = 10mm ² terminal (20-6) e = 16mm ² terminal (16-4) f = 35mm ² terminal (14-1/0)
	e (material) 2 = 304 SST 3 = 316 SST	jjj # of terminals (ie. 012 = 12 terminals)
cccc (height) 0166 mm 0176 mm 0200 mm 0360 mm 0300 mm 0400 mm 0600 mm	f (surface) 3 = brushed g (cover attachment) 1 = screws only 2 = cover with hinge and sash lock h = 1 always	kk GP = Gland Plate (optional) L A = Gland Plate Side A B = Gland Plate Side B C = Gland Plate Side C D = Gland Plate Side D

Certifications:



Standard Items	SST	Hinge		Width mm (inches)	Height mm (inches)	Depth mm (inches)
8150/1-0176-0116-091-3311	316	No Hinge	Exe	176 (6.9)	116 (4.6)	91 (3.6)
8150/1-0176-0176-091-3311	316	No Hinge	Exe	176 (6.9)	176 (6.9)	91 (3.6)
8150/1-0236-0176-091-3311	316	No Hinge	Exe	236 (9.3)	176 (6.9)	91 (3.6)
8150/1-0236-0176-150-3311	316	No Hinge	Exe	236 (9.3)	176 (6.9)	150 (5.9)
8150/1-0300-0200-150-3311	316	No Hinge	Exe	300 (11.8)	200 (7.9)	150 (5.9)
8150/1-0360-0176-091-3311	316	No Hinge	Exe	360 (14.2)	176 (6.9)	91 (3.6)
8150/1-0360-0176-150-3311	316	No Hinge	Exe	360 (14.2)	176 (6.9)	150 (5.9)
8150/1-0360-0360-091-3311	316	No Hinge	Exe	360 (14.2)	360 (14.2)	91 (3.6)
8150/1-0360-0360-150-3311	316	No Hinge	Exe	360 (14.2)	360 (14.2)	150 (5.9)
8150/1-0360-0360-190-3311	316	No Hinge	Exe	360 (14.2)	360 (14.2)	190 (7.5)
8150/1-0360-0360-230-3311	316	No Hinge	Exe	360 (14.2)	360 (14.2)	230 (9.1)
8150/1-0400-0300-150-3311	316	No Hinge	Exe	400 (15.7)	300 (11.8)	150 (5.9)
8150/1-0400-0300-230-3311	316	No Hinge	Exe	400 (15.7)	300 (11.8)	230 (9.1)
8150/1-0400-0400-150-3311	316	No Hinge	Exe	400 (15.7)	400 (15.7)	150 (5.9)
8150/1-0400-0400-230-3311	316	No Hinge	Exe	550 (21.7)	400 (15.7)	230 (9.1)
8150/1-0550-0360-230-3311	316	No Hinge	Exe	600 (23.6)	360 (14.2)	230 (9.1)
8150/1-0600-0400-150-3311	316	No Hinge	Exe	600 (23.6)	400 (15.7)	150 (5.9)
8150/1-0600-0400-230-3311	316	No Hinge	Exe	400 (15.7)	400 (15.7)	230 (9.1)
8150/1-0400-0600-150-3311	316	No Hinge	Exe	400 (15.7)	600 (23.6)	150 (5.9)
8150/1-0400-0600-230-3311	316	No Hinge	Exe	400 (15.7)	600 (23.6)	230 (9.1)
8150/1-0727-0360-091-3311	316	No Hinge	Exe	727 (10.7)	360 (14.2)	91 (3.6)
8150/1-0727-0360-150-3311	316	No Hinge	Exe	727 (10.7)	360 (14.2)	150 (5.9)
8150/1-0727-0360-190-3311	316	No Hinge	Exe	727 (10.7)	360 (14.2)	190 (7.5)
8150/1-0600-0600-150-3311	316	No Hinge	Exe	600 (23.6)	600 (23.6)	150 (5.9)
8150/1-0600-0600-230-3311	316	No Hinge	Exe	600 (23.6)	600 (23.6)	230 (9.1)
8150/1-0787-0480-230-3311	316	No Hinge	Exe	787 (31)	480 (18.9)	230 (9.1)
8150/1-0300-0200-150-3321	316	Hinge	Exe	300 (11.8)	200 (7.9)	150 (5.9)
8150/1-0360-0176-150-3321	316	Hinge	Exe	360 (14.2)	176 (6.9)	150 (5.9)
8150/1-0360-0360-150-3321	316	Hinge	Exe	360 (14.2)	360 (14.2)	150 (5.9)
8150/1-0360-0360-190-3321	316	Hinge	Exe	250 (9.8)	360 (14.2)	190 (7.5)
8150/1-0400-0300-150-3321	316	Hinge	Exe	400 (15.7)	300 (11.8)	150 (5.9)
8150/1-0400-0300-230-3321	316	Hinge	Exe	400 (15.7)	300 (11.8)	230 (9.1)
8150/1-0400-0400-150-3321	316	Hinge	Exe	400 (15.7)	400 (15.7)	150 (5.9)
8150/1-0400-0400-230-3321	316	Hinge	Exe	400 (15.7)	400 (15.7)	230 (9.1)
8150/1-0550-0360-230-3321	316	Hinge	Exe	550 (14.2)	360 (14.2)	230 (9.1)
8150/1-0600-0400-150-3321	316	Hinge	Exe	600 (21.7)	400 (15.7)	150 (5.9)
8150/1-0600-0400-230-3321	316	Hinge	Exe	600 (21.7)	400 (15.7)	230 (9.1)
8150/1-0400-0600-150-3321	316	Hinge	Exe	400 (15.7)	600 (23.6)	150 (5.9)
8150/1-0400-0600-230-3321	316	Hinge	Exe	400 (15.7)	600 (23.6)	230 (9.1)
8150/1-0727-0360-150-3321	316	Hinge	Exe	727 (28.6)	360 (14.2)	150 (5.9)
8150/1-0727-0360-190-3321	316	Hinge	Exe	727 (28.6)	360 (14.2)	190 (7.5)
8150/1-0600-0600-150-3321	316	Hinge	Exe	600 (21.7)	600 (23.6)	150 (5.9)
8150/1-0600-0600-230-3321	316	Hinge	Exe	600 (21.7)	600 (23.6)	230 (9.1)
8150/1-0787-0480-230-3321	316	Hinge	Exe	787 (31)	480 (18.9)	230 (9.1)

NOTES: To specify intrinsically safe terminals, change 8150/1 to 8150/2. To change to 304 stainless, change "3" to a "2" (ie 3321 to 2321). Custom sizes are available. Please contact R. STAHL for more information.

Explosion Protection

Marking		
Version	8150/1	8150/2
IECEX		
Gas explosion protection	Ex db eb ia/ib mb IIA, IIB, IIC T6 (Ta = - 60 ... + 40°C) Ex db eb ia/ib mb IIA, IIB, IIC T5 (Ta = - 60 ... + 55°C) Ex db eb ia/ib mb IIA, IIB, IIC T4 (Ta = - 60 ... + 70°C)	Ex ia/ib IIA, IIB, IIC T6 (Ta = - 60 ... + 75°C)
Dust explosion protection	Ex tb IIIC IP66 T130°C (Ta = - 60 ... + 70°C) Ex tb IIIC IP66 T95°C (Ta = - 60 ... + 55°C) Ex tb IIIC IP66 T80°C (Ta = - 60 ... + 40°C)	Ex tb IIIC IP66 T80°C (Ta = - 60 ... + 40°C)
Europe (ATEX)		
Gas explosion protection	⚠ II 2 G Ex db eb ia/ib mb IIA, IIB, IIC T6 (Ta = - 60 ... + 40°C) ⚠ II 2 G Ex db eb ia/ib mb IIA, IIB, IIC T5 (Ta = - 60 ... + 55°C) ⚠ II 2 G Ex db eb ia/ib mb IIA, IIB, IIC T4 (Ta = - 60 ... + 70°C)	⚠ II 2 G Ex ia/ib IIA, IIB, IIC T6 (Ta = - 60 ... + 75°C)
Dust explosion protection	⚠ II 2 D Ex tb IIIC IP66 T130°C (Ta = - 60 ... + 70°C) ⚠ II 2 D Ex tb IIIC IP66 T95°C (Ta = - 60 ... + 55°C) ⚠ II 2 D Ex tb IIIC IP66 T80°C (Ta = - 60 ... + 40°C)	⚠ II 2 D Ex tb IIIC IP66 T80°C (Ta = - 60 ... + 40°C)
USA		
Gas explosion protection	Class I, Zone 1 AEx e IIC Class I, Zone 1 AEx de IIC Class I, Division 2, Groups ABCD -60°C to +40°C (T6) -60°C to +55°C (T5) -60°C to +85°C (T4) IP54 (with breather) IP66 (without breather) Enclosure Type 3, 4, 4X	
Canada		
Gas explosion protection	Class I, Zone 1 Ex e IIC Class I, Zone 1 Ex de IIC Class I, Division 2, Groups ABCD -60°C to +40°C (T6) -60°C to +55°C (T5) -60°C to +85°C (T4) IP54 (with breather) IP66 (without breather) Enclosure Type 3, 4, 4X	

Certificates	
IECEX	
IECEX	IECEX PTB 09.0048
Europe (ATEX)	
ATEX	PTB ATEX 1108
USA/Canada	eUL _{us} File #E177642
Types of protection	Depending on the actual fitted components used and their type of protection

For specific certification documentation, visit our website at www.rstahl.com or contact your R. Stahl sales staff.



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Location of Gland Plates

