

Ex e Enclosures in Metal

Series 8125



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- > Enclosure material
 - Painted sheet steel
 - Stainless steel
- > 6 enclosure sizes available

10031E00



ATEX / IECEx		Zone		Class I (NEC 505)		Class II		Class III							
0	1	2	20	21	22	0	1	2	20	21	22	1	2	1	2
For use	x	x		x	x	For use in	x					For use in	x		

Explosion Protection

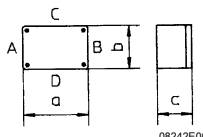
Global (IECEX)	
Gas and dust	IECEX PTB 06.0079 Ex dem ia/ib [ia/ib] Ila, IIB or IIC T6, T5, T4 Ex tD A21 IP65 T80°C, T95°C, T130°C
Europe (ATEX)	
Gas and dust	PTB 01 ATEX 1001 ⊕ II 2 G Ex de ia/ib [ia/ib] mq IIA, IIB, IIC T6, T5, T4 ⊕ II 2 D Ex tD A21 IP66 T80°C, T95°C, T130°C
Certifications and certificates	
Certificates	IECEX, ATEX, Brazil (INMETRO), China (China-Ex), India (PESO), Canada (cUL, CSA), Serbia (SRPS), USA (UL)
Other approvals	ship approval (RS)

E9

WebCode 8125C

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Selection Table

Version	Dimensions [mm]			Order number	Weight kg
	a	b	c		
 <p>Ex e enclosure 8125 08242E00</p>	176.5	116.5	91	8125/5041- .	1.000
		176.5	91	8125/5051- .	1.500
		236.5	176.5	91	8125/5061- .
			150	8125/5063- .	2.800
	360		176.5	91	8125/5071- .
			150	8125/5073- .	4.000
		360	91	8125/5081- .	5.600
			150	8125/5083- .	6.000
			190	8125/5085- .	6.500
		727	360	230	8125/5086- .
	91			8125/5091- .	8.500
	150			8125/5093- .	9.200
			190	8125/5095- .	10.100

Order Number Supplement

Standard:	Sheet steel	Flanges Please specify with order: enclosure side and material	8125/5...-1	
Option:	Stainless steel	Flanges Please specify with order: enclosure side and material	8125/5...-2	

Technical Data

Electrical data

Rated voltage	max. 1100 V AC / DC Depending on the type of terminal and Ex components used
Rated current	max. 630 A Depending on the type of terminal and Ex components used

Ambient conditions

Ambient temperature	-60 ... +100 °C
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Mechanical data

Degree of protection	IP66 (depending on the installed equipment)
Material	
Enclosure	
Standard	Galvanised sheet steel, painted in light grey (RAL 7032)
Option	Stainless steel 1.4404; glass bead blasted (sea water and acid resistant)
Seal	Silicone foam Option: Polyurethane foam
Cover lock	
Standard	M6, cheese-head screws with combined slot; captive, stainless steel
Option	with cover hinges
Flanges	
Standard	the enclosures are supplied without flanges in the standard version
Option	the enclosures can be fitted on one or more sides with flanges; flange material: sheet steel, galvanised or stainless steel
Rated cross-section	max. 240 mm ² Depending on the type of terminal and Ex components used

We reserve the right to make alterations to the technical data, dimensions, weights, designs and products available without notice. The illustrations cannot be considered binding.