

Ex e Enclosures in Moulded Material

Series 8146



www.stahl.de



- > Enclosure made of glass fibre reinforced polyester resin
- > Safe protection of built-in devices
- > Corrosion resistant
- > Modular enclosure dimensions
- > Lightweight
- > Low maintenance cost

00119E00

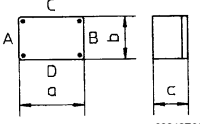


	ATEX / IECEx					
Zone	0	1	2	20	21	22
For use in		x	x		x	x

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Selection Table

Version	Dimensions [mm]			Order number	Weight kg	
	a	b	c			
Enclosure  <small>08242E00</small> 8146 Ex e enclosure	112.5	112.5	91	8146 / .031	0.470	
	170	112.5	91	8146 / .041	0.580	
		170	91	8146 / .051	0.860	
			131	8146 / .052	1.100	
			170	8146 / .061	1.150	
	227	170	91	8146 / .061	1.150	
			131	8146 / .062	1.400	
		340.5	91	8146 / .S71	1.600	
			91	8146 / .071	1.600	
			131	8146 / .072	1.950	
			150	8146 / -B73	1.800	
			150	8146 / .S73	1.800	
			150	8146 / .073	1.800	
			190	8146 / -B75	2.100	
			190	8146 / .075	2.300	
			340.5	91	8146 / .081	2.950
				131	8146 / .082	3.450
				150	8146 / .083	3.400
	171	8146 / .084		3.700		
	190	8146 / .085		3.900		
	681.5	340.5	230	8146 / .086	4.200	
			91	8146 / .091	5.600	
			131	8146 / .092	6.300	
			150	8146 / .093	6.200	
			190	8146 / .095	6.900	

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Explosion Protection

Device version	
Version	Empty enclosure
Global (IECEX)	
Gas and dust	IECEX PTB 06.0044 U Ex e IIC Gb Ex tb IIIC Db IP66
Europe (ATEX)	
Gas and dust	PTB 01 ATEX 1015 U ⊕ II 2G Ex e IIC Gb ⊕ II 2 D Ex tb IIIC Db IP66
Certifications and certificates	
Certificates	IECEX, ATEX, Canada (CSA), Brasil (UL do Brasil)

Technical Data

Ambient conditions	
Ambient temperature	-60 ... +100 °C
Mechanical data	
Degree of protection	IP 66 (depending on the built-in devices used)
Material	
Enclosure	Glass-fibre reinforced polyester resin, dark grey, similar to RAL 7024 Impact resistance ≥ 7 J Surface resistance $\leq 10^9 \Omega$ Flame resistant according to IEC/EN 60695, UL 94, VO ASTM D635 Silicone-free
Seal	Standard: foamed silicone Special: PU, foamed (-20 ... +80 °C)
Rated cross-section	max. 240 mm ² depending on the terminal type and the explosion protected components used
Cover lock	
Standard	with captive M6 stainless steel combo head screws
Option	with cover hinge
Enclosure version	Standard: without flange as an alternative with mounted flanges
Cable entry	according to order, specify cable entry side, see section E10 in the catalogue

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.