

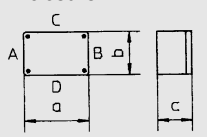


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Ex e Enclosures in Moulded Plastic Series 8146

- Explosion protection according to
 - CENELEC
 - IEC
- For use in
 - Zone 1 and Zone 2
 - Zone 21 and Zone 22
- Enclosures in glass fibre reinforced polyester resin
- Safe protection of fitted devices
- Assembly according to order of
 - enclosure flanges
 - enclosures with flanges (side length 340 mm or 680 mm)

Selection Table

Version	Dimensions [mm]			Order number	Weight kg
	a	b	c		
Enclosure  8146 Ex e enclosure	112.5	112.5	91	8146/5031	0.470
	170	112.5	91	8146/5041	0.580
	170	170	91	8146/5051	0.860
	170	170	131	8146/5052	1.100
	227	170	91	8146/5061	1.150
	227	170	131	8146/5062	1.400
	340.5	170	91	8146/5S71	1.600
	340.5	170	91	8146/5071	1.600
	340.5	170	131	8146/5072	1.950
	340.5	170	150	8146/6B73	1.800
	340.5	170	150	8146/5S73	1.800
	340.5	170	150	8146/5073	1.800
	340.5	170	190	8146/6B75	2.100
	340.5	170	190	8146/5075	2.300
	340.5	340.5	91	8146/5081	2.950
	340.5	340.5	131	8146/5082	3.450
	340.5	340.5	150	8146/5083	3.400
	340.5	340.5	171	8146/5084	3.700
	340.5	340.5	190	8146/5085	3.900
	340.5	340.5	230	8146/5086	4.200
	681.5	340.5	91	8146/5091	5.600
	681.5	340.5	131	8146/5092	6.300
	681.5	340.5	150	8146/5093	6.200
	681.5	340.5	190	8146/5095	6.900

Technical Data

Explosion protection	
Gas explosion protection	⊕ II 2 G Ex de ia / ib [ja / ib] mq IIA, IIB, IIC T6, T5, T4
Dust explosion protection	⊕ II 2 D Ex tD A21 IP6x T80 °C, T95 °C, T130 °C
Certificates	
Gas explosion protection	PTB 01 ATEX 1024
Dust explosion protection	PTB 01 ATEX 1024
Other certificates	Canada (CSA), USA (UL), Brazil (UL do Brasil), Russia (CTB)
Rated voltage	max. 1100 V (depending on the installed equipment) 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
Rated cross section	max. 240 mm ² depending on the type of terminal and Ex components used
Type of protection	IP66 (depending on the installed equipment)
Operating temperature range	- 40 °C ... + 55 °C
Material	
Enclosure	Polyester resin, glass fibre reinforced, dark grey, similar to RAL 7024, impact strength ≥ 7 J, surface resistance ≤ 10 ⁹ Ohm, material flame resistant, self-extinguishing
Seal	Polyurethane foam
Enclosure design	standard: without flanges alternatively with mounted flanges
Cover fixing	
Standard	M 6, cheese-head screws with combined slot; captive, stainless steel
Option	with cover hinges
Cable entry	to order, side of entry must be stated, see section 12

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