

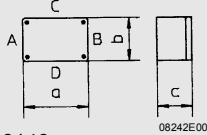


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### EEx e Enclosures in Moulded Plastic Series 8146

- Explosion protection to
  - CENELEC
  - IEC
- Can be used
  - in Zone 1 and Zone 2
  - in Zone 21 and Zone 22
- Enclosures in glass fibre reinforced polyester resin
- Secure protection for installed components
- Fitting to customer's order of:
  - Enclosure flanges
  - Flanged enclosures (length of side 340 mm or 680 mm)

Selection table

Version	Dimensions [mm]			Ordering code	Weight kg
	a	b	c		
Enclosure  8146 EEx 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	8146/5071	1,600
	340.5	170	91	8146/5S71	1,600
	340.5	170	131	8146/5072	1,950
	340.5	170	150	8146/5073	1,800
	340.5	170	150	8146/5S73	1,800
	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 EEx edmq ia / ib [ia / ib] IIA, IIB resp. IIC T6, T5 resp. T4
Dust explosion protection	⊕ II 2 D IP66 T85 °C, T100 °C resp. T135 °C
Certificates	
Gas explosion protection	PTB 01 ATEX 1024
Dust explosion protection	LCIE 02 ATEX 6241
Other certificates	CSA (Canada), UL (USA ), UL do Brasil (Brazil) VNIIEF (Russia)
Rated working voltage	max. 1100 V (dependent on equipment installed) according to terminals and Ex-components used
Rated working current	max. 630 A according to terminals and Ex-components used
Conductor size	max. 240 mm <sup>2</sup> according to terminals and Ex-components used
Degree of protection	IP 66 (dependent on components used)
Ambient temperature	- 40 °C ... + 55 °C
Material	
Housing	Polyester resin, dark grey similar to RAL 7024, impact strength ≥ 7 Nm, surface resistance ≤ 10 <sup>9</sup> Ohm, Material self-extinguishing and flame resistant
Gaskets	Polyurethane foam
Enclosure design	standard: without flanges with mounted flanges alternatively
Cover fixing	
Standard	M 6, Cheese-head screws with combi-slot; captive; stainless steel
Special	with cover hinges
Cable glands	to order, side of entry must be stated, see section 12