

Ex d Enclosure System in Sheet Steel Flameproof Enclosure Series 8225



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03140E00

- > Enclosure in sheet steel
- > 6 basic enclosure sizes
- > Enclosures can be combined, modular system
- > Available as empty enclosures or as completely assembled and wired control and distribution panels
- > Cable entries available:
 - Direct cable entry: cable gland, conduit entry
 - indirect cable entry (via Ex e enclosure): stud-type bushing, conductor bushing



Series 8225 sheet steel enclosures can be used as single enclosures and combinations. The dimensions of the enclosures are designed in such a way that they can be combined into a large modular unit. A large number of components, such as contactors, switches, measuring instruments and PLCs can be fitted into these enclosures. Naturally, customer-supplied equipment can also be incorporated into the layout. The enclosure installation is designed by us to customer's requirements. 6 basic enclosure sizes with different depths are available. Cable entry is either direct (cable glands or conduit entries) or indirect via an Ex e enclosure (stud-type or conductor bushings) - see catalogue chapter 12.

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

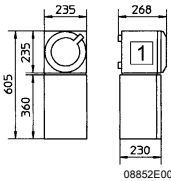
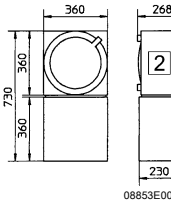
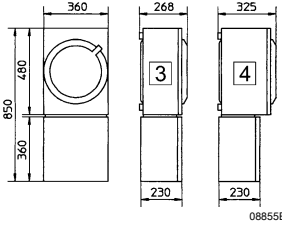
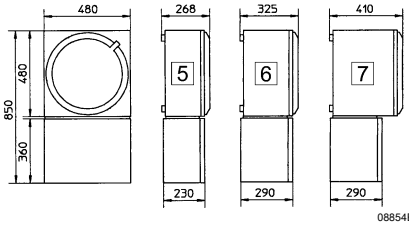
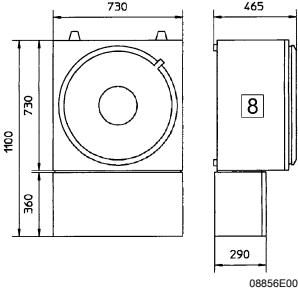
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WebCode 8225B

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Selection Table

Enclosure combinations of flameproof enclosure Ex d with terminal compartment Ex e - standard versions -

Version	Fig. No.	Order number		Weight [kg]	
		Ex e enclosure	Ex d enclosure	Ex e enclosure	Ex d enclosure
 <p>08852E00</p>	1	8125/8106 - .	8225/.12	3.1	37/42
 <p>08853E00</p>	2	8125/8206 - .	8225/.22	5.5	63/71
 <p>08855E00</p>	3 4	8125/8206 - . 8125/8206 - .	8225/172 8225/173	5.5	76/ - 81/ -
 <p>08854E00</p>	5 6 7	8125/8306 - . 8125/8307 - . 8125/8307 - .	8225/.32 8225/133 8225/.35	6.0 6.5 7.0	101/120 112/ - 127/146
 <p>08856E00</p>	8	8125/8907 - .	8225/196	11.0	300/ - ① ②

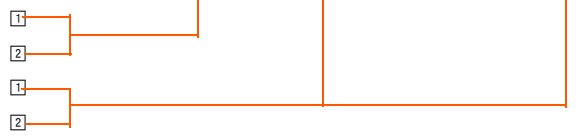
Order number supplement:

Material Ex e enclosure: sheet steel
stainless steel

Material Ex d enclosure: sheet steel / light metal
stainless steel / light metal

To order: Accessories in Ex d compartment:
Accessories in Ex d compartment:

e. g. bushings, switch with control axis (with or without cover lock), inspection windows, etc.
for example terminal blocks, PE rail, busbars, control devices, cable entry parts etc.



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Explosion Protection

Global (IECEX)	
Gas, dust and mining	IECEX PTB 06.0067U Ex d e IIC Gb Ex tb IIIC Db Ex d I Mb (only possible without inspection window and without connection chamber)
Europe (ATEX)	
Gas, dust and mining	PTB 02 ATEX 1100 U Ⓢ II 2 G Ex d e IIC Gb Ⓢ II 2 D Ex tb IIIC Db Ⓢ I M2 Ex d I Mb (only possible without inspection window and without connection chamber)
Certifications and certificates	
Certificates	IECEX, ATEX

Technical Data

Electrical data																																																																													
Power dissipation	Sheet steel, coated:																																																																												
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Ambient conditions	
Ambient temperature	-20 ... +60 °C, other on request

Mechanical data							
Material							
Enclosure	<table border="1"> <tr> <td>Type 8225/1:</td> <td>Enclosure: Sheet steel Cover: Light metal</td> </tr> <tr> <td>Type 8225/2:</td> <td>Enclosure: Stainless steel 1.4571, seawater resistant Cover: Bronze (8225/.96-. Aluminium)</td> </tr> <tr> <td>Type 8225/3:</td> <td>Enclosure: Sheet steel Cover: Bronze (8225/.96-. Aluminium)</td> </tr> </table>	Type 8225/1:	Enclosure: Sheet steel Cover: Light metal	Type 8225/2:	Enclosure: Stainless steel 1.4571, seawater resistant Cover: Bronze (8225/.96-. Aluminium)	Type 8225/3:	Enclosure: Sheet steel Cover: Bronze (8225/.96-. Aluminium)
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Type 8225/3:	Enclosure: Sheet steel Cover: Bronze (8225/.96-. Aluminium)						
Gasket	Standard: HNBR Special (8225/.9): EPDM						
Colour	Enclosure: powder coated, light grey, RAL 7032 Cover: powder coated, umbra grey, RAL 7022						
Degree of protection	IP54 without gasket according to IEC/EN 60259 max. IP65 with gasket according to IEC/EN 60259 (according to the used components)						
Cover lock	M8, Allen screw						

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Technical Data

Bushings		Number of threaded holes for bushings (for each enclosure side)				
		Enclosure	M20	M36	M48 / M50	M56 / M60
		8225/.12	25	6	3	1
		8225/.22	45	9	6	2
		8225/.23	45	14	8	4
		8225/.72	45	9	6	2
		8225/.73	45	14	8	4
		8225/.32	60	12	8	3
		8225/.33	60	18	11	6
		8225/.35	60	20	12	8
		8225/.96	100	35	20	10

Weight		Steel coated:		
		Empty enclosure Type	Enclosure with cover [kg]	Cover made of aluminium [kg]
		8225/.12-2	22.38	2.19
		8225/.22-2	38.79	4.43
		8225/.23-2	43.43	4.43
		8225/.32-2	59.31	10.35
		8225/.33-2	70.35	10.35
		8225/.35-2	103.85	10.35
		8225/.72-2	52.45	4.43
		8225/.73-2	58.03	4.43
		8225/.96-2	285.95	35.98

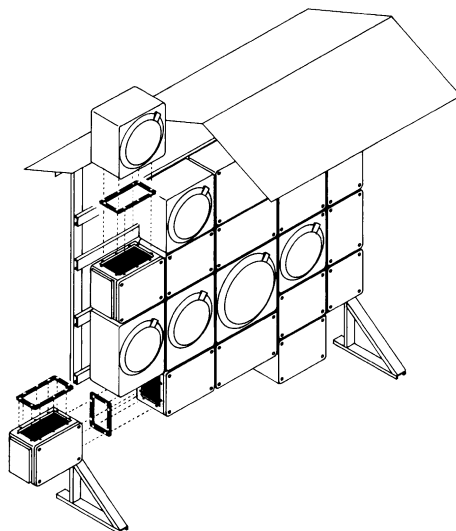
Stainless steel:		Enclosure with cover		
		Empty enclosure Type	[kg]	Cover made of bronze [kg]
		8225/.12-2	26.37	6.2
		8225/.22-2	52.04	14.58
		8225/.23-2	55.58	14.58
		8225/.32-2	80.20	30.32
		8225/.33-2	90.87	30.32
		8225/.35-2	124.32	30.32
		8225/.72-2	63.46	14.58
		8225/.73-2	69.58	14.58
		8225/.96-2	296.52	35.98*

* Cover made of aluminium

Combination options

Enclosure combinations:

The illustration shows the combination options of series 8220 enclosures with series 8125 terminal compartments using the modular concept.

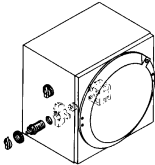
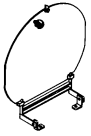
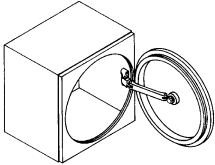


05203E00

Ex d Enclosure System in Sheet Steel Flameproof Enclosure Series 8225



Accessories/Design options for Ex d enclosure series 8225

Version	for enclosure	Description
<p>Actuators in the enclosure wall</p>  <p>05191E00</p>	all	Axle bushings can be fitted through the side wall to actuate a switch or potentiometer-type actuator.
<p>Hinged mounting plate</p>  <p>05192E00</p>	8225/.33 8225/.35 8225/196	For large 8225 enclosures, a hinged mounting plate is available to provide additional mounting level. The bottom mounting level thus remains accessible.
<p>Cover hinge</p>  <p>05193E00</p>	8225/.22 8225/.7. 8225/.3. 8225/196	Flameproof compartment cover can also be supplied with cover hinges to prevent it sliding during opening (cover with or without inspection window).

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.