



**EEx d Enclosures
Flameproof Encapsulation
in Sheet Steel
Series 8225**

- Explosion protection to
 - CENELEC
 - IEC
- Can be used in Zone 1 and Zone 2
- Enclosure in sheet steel
- 6 basic enclosure sizes
- Enclosures can be combined (modular system)
- Available as empty enclosures or as completely fitted and wired control and distribution units
- Cable entries available:
 - direct:
 - cable glands, conduit
 - indirect (via EEx e enclosure):
 - stud-type bushing
 - conductor bushing

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Series 8225 sheet steel enclosures can be used as single enclosures and combinations. The dimensions of the enclosures are so designed that they can be combined into a large modular unit. A large number of components, such as contactors, switches, instruments and PLCs can be built into these enclosures. Naturally, customer-supplied equipment can also be incorporated into the layout.

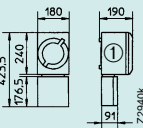
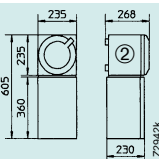
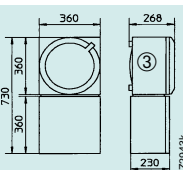
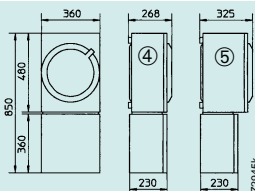
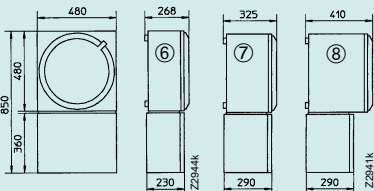
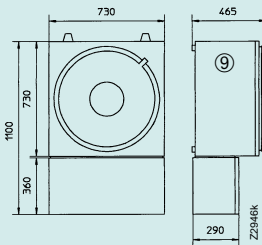
The equipment layout is designed by us to customer's requirements. 6 basic enclosure sizes with different depths are available.

Cable entry is either direct (cable glands or conduit entries) or indirect via an EEx e housing (stud-type or conductor bushings) – see catalogue section 13.

Zone 1 and Zone 2

Selection table

Configurations for flameproof enclosure type EEx d with EEx e connection chambers

Type	fig. No.	Ordering code		Weight [kg]	
		EEx e enclosure	EEx d enclosure	EEx e enclosure	EEx d enclosure
	1	8125/5051 – □	8225/141	1,5	20/ –
	2	8125/8106 – □	8225/□12	3,1	37/42
	3	8125/8206 – □	8225/□22	5,5	63/71
	4	8125/8206 – □	8225/172	5,5	76/ –
	5	8125/8206 – □	8225/173		81/ –
	6	8125/8306 – □	8225/□32	6,0	101/120
	7	8125/8307 – □	8225/133	6,5	112/ –
	8	8125/8307 – □	8225/□35	7,0	127/146
	9	8125/8907 – □	8225/196	11,0	300/ – 1 2

Add. to ordering code:

Material EEx e enclosure: Sheet steel

Stainless steel

Material EEx d enclosure: Sheet steel/light metal

Stainless steel/bronze

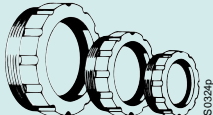
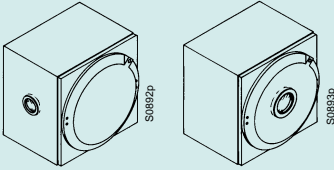
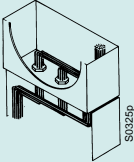
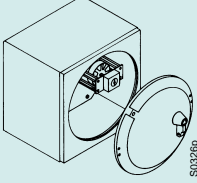
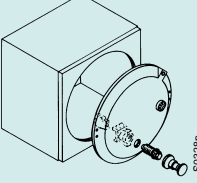
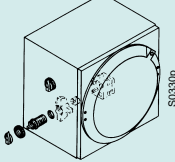
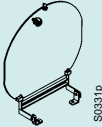
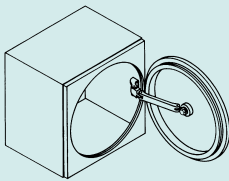
To order: Accessories in EEx d chamber:

Accessories in EEx e chamber:

e.g. barrier bushings, switch with operating shaft
(with or without cover interlock), inspection windows, etc.
e.g. terminals, earth rail, busbars etc.
See also „accessories/design options“ page 11/15.

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**Accessories/Design options
of EEx d enclosures series 8225**

Version		for enclosure	Description
Inspection window   in side wall in cover	Ø 65 mm	8225/.2. 8225/.7. 8225/.3. 8225/.9.	Flameproof inspection windows of borosilicate glass must be fitted centrally into the cover (adhesive fitting) or the side wall (screwed fitting) of the enclosure. Inspection windows are available in diameters from 105 mm to 150 mm and with an operating spindle.
	Ø 105 mm	8225/.7.	
	Ø 150 mm	8225/.3. 8225/.9.	
Barrier bushings 		all	Rated current can be selected depending on number of electrical connections between EEx d and EEx e chamber. See also section 13.
Cover interlock 		all	Main switches of all sizes can be fitted with automatic cover interlock so that enclosure may only be opened when switch is in 0-position.
Control gear 		all	Flameproof actuators can be mounted into 'd' chamber cover. Typical application: reset button of motor protection relay.
Operating spindles through side wall 		all	Operating spindles can be fitted through side wall to actuate switch or potentiometer.
Hinged mounting plate 		8225/.33 8225/.35 8225/196	For large 8225 enclosures, a hinged mounting plate is available to provide additional mounting level. The bottom mounting plate thus remains accessible.
Cover hinges 		8225/.22 8225/.7. 8225/.3. 8225/196	Flameproof chamber cover can also be supplied with hinges to prevent it sliding during opening (cover with or without inspection window).