



09720E00

### EEx d Enclosures in Light Metal Flameproof Encapsulation Series 8261

- Explosion protection to
  - CENELEC
  - IEC
- Can be used in Zone 1 and Zone 2
- 2 depths available
- Enclosures in die-cast alloy
- Options include inspection window, keyboard, signal devices etc.
- Direct and indirect cable entries available

STAHL

Series 8261 enclosures are suitable for fitting standard electrical equipment such as switches, fuses and contactors. Control and display devices such as buttons, indicating lamps, etc., can be built into the hinged, ribbed cover. The enclosures are suitable for direct and indirect cable entries.

Selection table

Version	Volume available for fittings cm <sup>3</sup>	Dimensions [mm]			Ordering code	Weight kg
		L	B	H		
	6500	280	280	147	<b>8261/511</b>	10,900
	8980	280	280	211	<b>8261/512</b>	12,100

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# Zones 1 & 2

**Technical Data**

Explosion protection	⊕ II 2 G EEx d II B T5/T6				
Certificates	PTB 02 ATEX 1112				
Other certificates	BKI (Hungary), CSA (Canada), VNIIEF (Russia)				
Enclosure	Die-cast alloy				
Colour	Surface mounted: stove enamel textured finish, light grey, RAL 7032 if fitted in EEx e enclosures: none				
Cover fixing	M 8, head screw, lid with hinges				
Free available volume for fittings	8261/511: 6500 cm <sup>3</sup> 8261/512: 8980 cm <sup>3</sup>				
Inspection window	design	size [mm]	possible in enclosure		
			8261/511	8261/512	
	square	155 x 40	yes	no	
		155 x 90	yes	no	
	round	∅ 60	yes	yes	
∅ 80		yes	yes		
∅ 105		yes	yes		
∅ 150		yes	yes		
Rated working voltage	max. 1100 V				
Rated working current	max. 125 A				
Power dissipation	enclosure	8261/511		8261/512	
	surface mounting	100 W	69 W	116 W	77 W
	fitted in EEx e enclosure	56 W	39 W	61 W	41 W
	temperature class	T5	T6	T5	T6
Cable entry	2 x M 42/48/56 threaded holes				
Connection	max. 35 mm <sup>2</sup> with conductor bushing 8174				
Ambient temperature	- 20 °C ... + 40 °C				

**Dimension drawings** (all dimensions in mm) - subject to alterations

