



01777E00

### EEx d Enclosures in Light Metal Flameproof Encapsulation Series 8214

- Explosion protection to
  - CENELEC
  - IEC
- Can be used in Zone 1 and Zone 2
- Aluminium enclosures
- Various enclosure lengths and diameters
- Front plate versions:
  - Square: totally enclosed, with spindle, inspection window, and inspection window with spindle bushings
  - Round: totally enclosed, inspection window, bearing-supported shafts


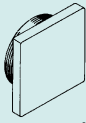

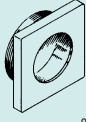

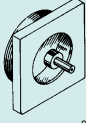
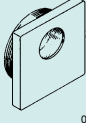
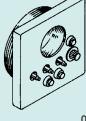
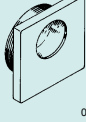
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Series 8214 flameproof enclosures are designed for panel mounting.

They are available with different front plate options for all normal applications, e.g. with inspection window for indicating instruments, with spindles for potentiometers or keypads, with bearing-supported shafts for incremental shaft encoders or motors.

# Zones 1 & 2

**Selection table**

Version	Front plate - available types	Available types	Length of enclosure	Ordering code	Weight
			mm		kg
 <p>01787E00 8214/12 EEx d enclosure for flush mounting, pipe diameter 140 mm</p>	 <p>05292E00</p>	Square front plate, plain	197	<b>8214/121- . - 701</b>	4,500
			257	<b>8214/122- . - 701</b>	5,000
			327	<b>8214/123- . - 701</b>	6,000
			477	<b>8214/124- . - 701</b>	7,500
	 <p>05293E00</p>	Square front plate with spindles	197	<b>8214/121- . - 711</b>	4,500
			257	<b>8214/122- . - 711</b>	5,000
			327	<b>8214/123- . - 711</b>	6,000
			477	<b>8214/124- . - 711</b>	7,500
	 <p>05294E00</p>	Front plate with inspection window Ø 95 mm	197	<b>8214/121- . - 101</b>	4,500
			257	<b>8214/122- . - 101</b>	5,000
			327	<b>8214/123- . - 101</b>	6,000
			477	<b>8214/124- . - 101</b>	7,500
	 <p>05295E00</p>	Front plate with inspection window Ø 95 mm and central spindle	197	<b>8214/121- . - 111</b>	4,500
			257	<b>8214/122- . - 111</b>	5,000
			327	<b>8214/123- . - 111</b>	6,000
			477	<b>8214/124- . - 111</b>	7,500
	 <p>05296E00</p>	Front plate with inspection window Ø 95 mm and central double spindle	197	<b>8214/121- . - 121</b>	4,500
			257	<b>8214/122- . - 121</b>	5,000
	 <p>05297E00</p>	Front plate with inspection window Ø 52 mm	197	<b>8214/121- . - 401</b>	4,500
			257	<b>8214/122- . - 401</b>	5,000
			327	<b>8214/123- . - 401</b>	6,000
			477	<b>8214/124- . - 401</b>	7,500
	 <p>05298E00</p>	Front plate with inspection window Ø 52 mm and spindles	197	<b>8214/121- . - 411</b>	4,500
			257	<b>8214/122- . - 411</b>	5,000
327			<b>8214/123- . - 411</b>	6,000	
477			<b>8214/124- . - 411</b>	7,500	
 <p>05299E00</p>	Front plate with inspection window Ø 74 mm	197	<b>8214/121- . - 501</b>	4,500	
		257	<b>8214/122- . - 501</b>	5,000	
		327	<b>8214/123- . - 501</b>	6,000	
		477	<b>8214/124- . - 501</b>	7,500	



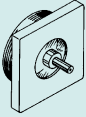
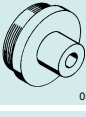
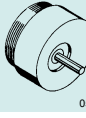
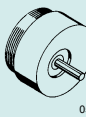
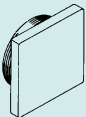

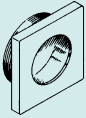
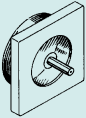
**Add. to ordering code**

Empty enclosure	<b>8214/ . . . -1- . . .</b>
Enclosure with components	<b>8214/ . . . -2- . . .</b>







## EEx d Enclosures in Light Metal Flameproof Encapsulation Series 8214

### Selection table

Version	Front plate - available types	Available types	Length of enclosure mm	Ordering code	Weight kg	
 <p>8214/12 EEx d enclosure for flush mounting, pipe diameter 140 mm</p>	 <p>05304E00</p>	Front plate with inspection window Ø 74 mm and spindles	197	8214/121- . -511	4,500	
			257	8214/122- . -511	5,000	
			327	8214/123- . -511	6,000	
			477	8214/124- . -511	7,500	
	 <p>05305E00</p>	Front plate with inspection window Ø 74 mm and central double spindle	197	8214/121- . -521	4,500	
			257	8214/122- . -521	5,000	
		 <p>05306E00</p>	Round front plate with inspection window Ø 29 / 30 mm for tube connection	197	8214/121- . -601	4,500
				257	8214/122- . -601	5,000
		 <p>05307E00</p>	Closed round flange with single bearing supported shaft	197	8214/121- . -241	4,500
				257	8214/122- . -241	5,000
	 <p>05307E00</p>	Closed round flange with double bearing supported shaft	197	8214/121- . -231	4,500	
			257	8214/122- . -231	5,000	
		327	8214/123- . -231	6,000		
		477	8214/124- . -231	7,500		
 <p>05292E00</p>		Square front plate, plain	303	8214/131- . -701	13,700	
			403	8214/132- . -701	16,900	
			473	8214/133- . -701	18,400	
			573	8214/134- . -701	21,600	
 <p>05293E00</p>	Square front plate with spindles	303	8214/131- . -711	13,700		
		403	8214/132- . -711	16,900		
		473	8214/133- . -711	18,400		
		573	8214/134- . -711	21,600		
 <p>05294E00</p>	Front plate with inspection window Ø 150 mm	303	8214/131- . -301	13,700		
		403	8214/132- . -301	16,900		
		473	8214/133- . -301	18,400		
		573	8214/134- . -301	21,600		
 <p>05295E00</p>	Front plate with inspection window Ø 150 mm and central spindle	303	8214/131- . -311	13,700		
		403	8214/132- . -311	16,900		
		473	8214/133- . -311	18,400		
		573	8214/134- . -311	21,600		
<b>Add. to ordering code</b>						
	Empty enclosure			8214/ . . . -1- . . .		
	Enclosure with components			8214/ . . . -2- . . .		

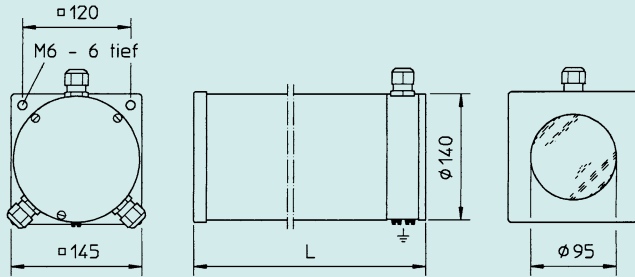
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**Selection table**

Version	Front plate - available types	Available types	Length of enclosure mm	Ordering code	Weight kg
 <p>01779E00</p> <p><b>8214/13</b> EEx d enclosure for flush mounting, pipe diameter 240 mm</p>	 <p>05299E00</p>	Front plate with inspection window Ø 74 mm	303	<b>8214/131- . - 501</b>	13,700
		403	<b>8214/132- . - 501</b>	16,900	
		473	<b>8214/133- . - 501</b>	18,400	
		573	<b>8214/134- . - 501</b>	21,600	
	 <p>05304E00</p>	Front plate with inspection window Ø 74 mm and spindles	303	<b>8214/131- . - 511</b>	13,700
		403	<b>8214/132- . - 511</b>	16,900	
		473	<b>8214/133- . - 511</b>	18,400	
		573	<b>8214/134- . - 511</b>	21,600	
	 <p>05307E00</p>	Closed round flange with double bearing supported shaft	303	<b>8214/131- . - 231</b>	15,400
		403	<b>8214/132- . - 231</b>	18,800	
		473	<b>8214/133- . - 231</b>	24,000	
		573	<b>8214/134- . - 231</b>	27,200	
<b>Add. to ordering code</b>					
	Empty enclosure			<b>8214/ . . . -1- . . .</b>	
	Enclosure with components			<b>8214/ . . . -2- . . .</b>	

Technical Data						
Enclosure type	8214/12. (∅ 140 mm)			8214/13. (∅ 240 mm)		
Explosion protection	Empty enclosure		II 2 G EEx de IIC or EEx d IIC			
	Enclosure with components		II 2 G EEx de [ia / ib] IIC T6 or T5			
Certificates	Empty enclosure		PTB 02 ATEX 1101 U			
	Enclosure with components		PTB 02 ATEX 1102			
Other certificates	FTZU (Czech Republic), SEV (Switzerland), TÜV Wien (Austria), BKI (Hungary)					
Material						
Housing	Aluminium					
Inspection window	Borosilikcate glass or quartz glass					
Surface finish	Primer with bonding coat, light grey stove enamel textured finish, RAL 7032					
Length	197 mm ... 477 mm			303 mm ... 573 mm		
Diameter	∅ 140			∅ 240		
Special fixing	M 4 Allen screws			M 5 Allen screws		
Mounting	Square flange:		Panel mounting			
	Round flange:		Flange mounting			
Rated working voltage	max. 660 V					
Rated working current	max. 32 A					
max. power dissipation	Type	max. power dissipation for		Type	max. power dissipation for	
		T 5	T 6		T 5	T 6
	8214/121	51 W	34 W	8214/131	93 W / 170 W*	63 W / 110 W*
	8214/122	67 W	45 W	8214/132	132 W / 205 W*	90 W / 135 W*
	8214/123	88 W	60 W	8214/133	148 W / 230 W*	100 W / 150 W*
	8214/124	114 W	79 W	8214/134	160 W / 260 W*	108 W / 170 W*
	* for version without inspection window					
Barrier bushing	Type 8171/20-ZL: 22 x 10 A, 400 V or Type 8171/02-AA: 14 x 30 A, 660 V			Type 8171/20-ZL: 22 x 10 A, 400 V or Type 8171/02-AA: 14 x 30 A, 660 V		
Flexible lead	directly to bushings 8171/20-ZL: 1 x 1,5 mm <sup>2</sup> 8171/02-AA: 1 x 2,5 mm <sup>2</sup>			directly to bushings 8171/20-ZL: 1 x 1,5 mm <sup>2</sup> 8171/02-AA: 1 x 2,5 mm <sup>2</sup>		
Cable entries						
Standard	3 x M 20 x 1,5 cable glands			3 x M 20 x 1,5 cable glands		
Special	max. 5 x M 25 x 1,5 cable glands			max. 7x M 25 x 1,5 cable glands		
Degree of protection	IP 65 (IP 54 with shaft fitted)			IP 65 (IP 54 with shaft fitted)		

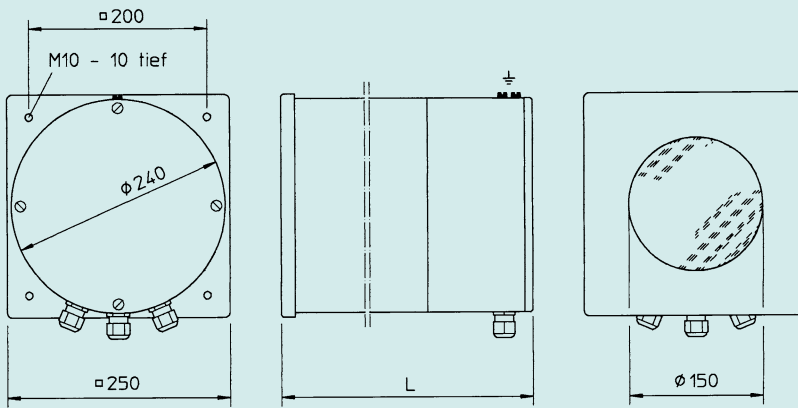
Dimension drawings (all dimensions in mm) - subject to alterations



Type	L
8214/121-...1	197
8214/122-...1	257
8214/123-...1	327
8214/124-...1	477

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EEx d enclosure, 8214/12.



Type	L
8214/131-...1	303
8214/132-...1	403
8214/133-...1	473
8214/134-...1	573

04484E00

EEx d enclosure, 8214/13.

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.