

Ex db eb IIC CONTROL STATIONS AND Ex eb IIC TERMINAL BOXES



CONTROL STATIONS

TERMINAL BOXES

CE2K-...-series of terminal boxes is suitable to contain Ex i terminals for incoming/outgoing cable connections. The control and signalling units series CE2K-...-CS-SSX can be equipped with certified components. Terminal boxes and control stations are available in Stainless Steel SS316L or in GRP (Glass Reinforced Polyester) material.

Combustion and Energy Ex db and Ex eb terminal boxes and control stations are ATEX and INMETRO certified.



GRP TERMINAL BOXES TECHNICAL SPECIFICATIONS



DESCRIPTION

The terminal boxes series CE2K-... ..-GRP are able to operate in an ambient temperature from -60°C to +85°C and consist of enclosures having degree of protection IP66 (with red or white colour silicone gasket placed on internal part of the lid) or IP66/67 (as option).

The CE2K-... ..-GRP range includes 25 sizes of enclosures manufactured in GRP glass reinforced polyester with 4 mm thickness, that can be threaded.

Polyester is a valid alternative to aluminum, stainless steel or cast iron; it has excellent mechanical strength and a long life expectancy.

MATERIAL

Enclosure material: Black glass fibre reinforced polyester resin graphite addes
(surface resistance <math><1G\Omega</math>)

Ex CODE

Ex marking:  II 2 GD
Ex eb IIC T6/T5 Gb
Ex tb IIIC T85°C / T100°C Db

MECHANICAL FEATURES

Thickness: 4mm
Degree of protection: IP66 (IP66/67 as option)
Back fixing points
Gasket: silicone
Mounting plate: as option
Mounting plate dimensions: see technical details
Cover: solid
Cover fixing: by screws



Web

www.ce2k.com - info@ce2k.com

Contacts

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rev_240712

GRP TERMINAL BOXES

TECHNICAL SPECIFICATIONS

ELECTRICAL FEATURES

Max. rated voltage (Ex e):	11k VAC or VDC
Max. rated voltage (Ex i):	30 VAC or VDC
Frequency:	50/60 Hz
Maximum rated current:	520A
Maximum rated cross section:	300sqmm

Ex FEATURES

Standards:	EN 60079-0 / EN 60079-1 / EN 60079-7 / EN 60079-11/ EN 60079-31
Suitable for:	Zone 1 / Zone 2 / Zone 21 / Zone 22

CERTIFICATES

Certificates Number:	 CEC 15 ATEX 211
	 INMETRO certificate available upon request



GRP TERMINAL BOXES - DIMENSIONS

Model	External dimensions			Internal dimensions			Fixing		Screw
	H	W	D	h	w	d	H+	W+	
	mm	mm	mm	mm	mm	mm			
CE2K-75 08 55-GRP	75	80	55	58	48	46	45	68	M4
CE2K-75 08 75-GRP	75	80	75	58	48	66	45	68	
CE2K-75 11 55-GRP	75	110	55	58	78	46	45	98	
CE2K-75 11 75-GRP	75	110	75	58	78	66	45	98	
CE2K-75 16 55-GRP	75	160	55	58	128	46	45	148	
CE2K-75 16 75-GRP	75	160	75	58	128	66	45	148	
CE2K-75 19 55-GRP	75	190	55	58	158	46	45	178	
CE2K-75 19 75-GRP	75	190	75	58	158	66	45	178	
CE2K-75 23 55-GRP	75	230	55	58	198	46	39	218	
CE2K-75 23 75-GRP	75	230	75	58	198	66	39	218	
CE2K-12 12 09-GRP	120	122	90	102	104	80	82	106	M6
CE2K-12 22 09-GRP	120	220	90	102	190	80	82	204	
CE2K-16 16 09-GRP	160	160	90	142	112	80	110	140	
CE2K-16 26 09-GRP	160	260	90	142	212	80	110	240	
CE2K-16 36 09-GRP	160	360	90	142	312	80	110	340	
CE2K-16 56 09-GRP	160	560	90	142	512	80	110	540	
CE2K-20 25 12-GRP	200	250	120	180	230	110			
CE2K-25 25 12-GRP	250	255	120	230	235	110	200	235	
CE2K-25 25 16-GRP	250	255	160	230	235	140			
CE2K-25 40 12-GRP	250	400	120	230	380	110	200	380	
CE2K-25 40 16-GRP	250	400	160	230	380	160			
CE2K-25 60 12-GRP	250	600	120	230	580	110			
CE2K-25 60 16-GRP	250	600	160	230	580	140			
CE2K-40 40 12-GRP	405	400	120	385	580	110			
CE2K-40 40 16-GRP	405	400	165	385	380	154	355	380	

Dimensions and weights are approximate and subject to change without notice.

Table above refers to Control Station with bolted cover. For the dimensions of Control Stations with hinges ask to info@ce2k.com.



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GRP TERMINAL BOXES - DRAWINGS

