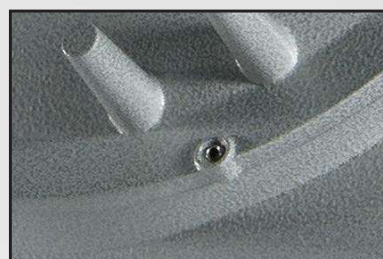


CCAÉ

- Zone 1, 2, 21, 22
- Group IIC
- Aluminium junction boxes
- Choice of 5 sizes
- IP66



CCA-...E series Aluminium junction boxes gas group IIC

The CCA...E series junction boxes are recommended for fitting with terminals given that they provide more room, making it easier for operators to gain access. On the other hand, the smaller wall area means drilling options are limited. They are suitable for installation in any plants where there is a risk of explosion and/or fire, or areas where combustible dust is present, classified as Zone 1, 2, 21, 22. The quality of this product is recognized and valued the world over for its specific aluminium alloy and the mechanical properties of its finishes. The CCA...E series is employed where group IIC gases are present and is mostly used as a box to carry terminals, fuse carriers, transformers, reactors and barriers, though it is also used to produce control and signalling boards, light and power boards and motor starter boxes with different configurations, which are specially custom made to the requirements of our customers worldwide. The CCA...EH series features a threaded lid with a tempered glass viewing window.

Cortem Group labels its products with a non-removable adhesive label featuring a hologram and an alphanumerical univocal code, as a safety measure against the illegal sale of fakes so that all the products are guaranteed as original. Non-compliance with the International standards entails serious risks for the environment, especially for those working daily on the plants.



Application sectors:



CERTIFICATION DATA FOR EMPTY ENCLOSURES

Classification:	Group II	Category 2GD		
Installation: EN 60079.14	zone 1 - zone 2 (Gas)	zone 21 - zone 22 (Dust)		
Marking:	CE 0722 Ex II 2 GD - Ex db IIC Gb - Ex tb IIIC Db - IP66			
Certification:	ATEX	CESI 01 ATEX 034U		
	IEC Ex	CES 14.0012U	All IEC Ex, UKEX, TR CU certification data can be downloaded from www.cortemgroup.com	
	UKEX	AVAILABLE		
	ECASEx	AVAILABLE		
	TR CU	AVAILABLE		
Standards:	CENELEC EN 60079-0: 2018, EN 60079-1: 2014, EN 60079-31: 2014, EN 60529: 1991 and EUROPEAN DIRECTIVE 2014/34/UE			
Ambient Temp.:	-20°C +60°C		Standard temperature on all CCAE boxes.	
	-60°C +150°C		Special temperature.	
Degree of protection:	IP66			

CCA-...E series Aluminium junction boxes gas group IIC

CERTIFICATION DATA FOR ENCLOSURES WITH TERMINALS

Classification:	Group II	Category 2GD		
Installation: EN 60079.14	zone 1 - zone 2 (Gas)	zone 21 - zone 22 (Dust)		
Marking:	CE 0722 Ex II 2 GD - Ex d IIC T6, T5 Gb - Ex tb IIIC T85, T100°C Db - IP66			
Certification:	ATEX	CESI 01 ATEX 036X		
	IEC Ex	CES 16.0013X	All IEC Ex, TR CU, CCoE certification data can be downloaded from www.cortemgroup.com	
	TR CU	AVAILABLE		
	CCoE	AVAILABLE		
Standards:	CENELEC EN 60079-0: 2012 + A11: 2013, EN 60079-1: 2014, EN 60079-31: 2014, EN 60529: 1991 and EUROPEAN DIRECTIVE 2014/34/UE			
 Ambient Temp.:	 -50°C (-60°C) +40°C 		With temperature class T6 and maximum surface temperature T85°C.	
	 -50°C (-60°C) +55°C 		With temperature class T5 and maximum surface temperature T100°C.	
Degree of protection:	IP66			

CERTIFICATION DATA OF ENCLOSURES FOR CONTROL, MONITORING AND SIGNALLING UNITS

Classification:	Group II	Category 2GD		
Installation: EN 60079.14	zone 1 - zone 2 (Gas)	zone 21 - zone 22 (Dust)		
Marking:	CE 0722 Ex II2GD - Ex db IIC T6, T5 Gb - Ex tb IIIC T85°C, T100°C Db - IP66			
Certification:	ATEX	CESI 01 ATEX 036X		
	IEC Ex	CES 16.0013X	All IEC Ex, TR CU, INMETRO certification data can be downloaded from www.cortemgroup.com	
	ECASEx	AVAILABLE		
Standards:	CENELEC EN 60079-0: 2018, EN 60079-1: 2014, EN 60079-31: 2014, EN 60529: 1991 and EUROPEAN DIRECTIVE 2014/34/UE			
Ambient Temp.:	 -20°C +40°C 		With temperature class T6 and maximum surface temperature T85°C.	
	 -20°C +55°C 		With temperature class T5 and maximum surface temperature T100°C.	
	 -60°C		On request.	
Degree of protection:	IP66			

CCA-...E series Aluminium junction boxes gas group IIC

CERTIFICATION DATA FOR ENCLOSURES SERVING SURGE ARRESTER FUNCTION

Classification:	Group II		Category 2GD			
Installation: EN 60079.14	zone 1 - zone 2 (Gas)		zone 21 - zone 22 (Dust)			
Marking:	CE 0722 Ex II2GD - Ex db IIC T6, T5 Gb - Ex tb IIIC T85°C, T100°C Db - IP66					
Certification:	ATEX CESI 01 ATEX 036X					
	IEC Ex CES 16.0013X		All IEC Ex, TR CU certification data can be downloaded from www.cortemgroup.com			
	TR CU AVAILABLE					
Standards:	CENELEC EN 60079-0: 2012 + A11: 2013, EN 60079-1: 2014, EN 60079-31: 2014, EN 60529: 1991 and EUROPEAN DIRECTIVE 2014/34/UE					
 Ambient Temp.:	 -20°C +40°C 		With temperature class T6 and maximum surface temperature T85°C.			
	 -20°C +55°C 		With temperature class T5 and maximum surface temperature T100°C.			
	 -60°C		On request.			
Degree of protection:	IP66					

CERTIFICATION DATA OF ENCLOSURES SERVING INTERFACE UNIT CONTROL AND MONITORING FUNCTION

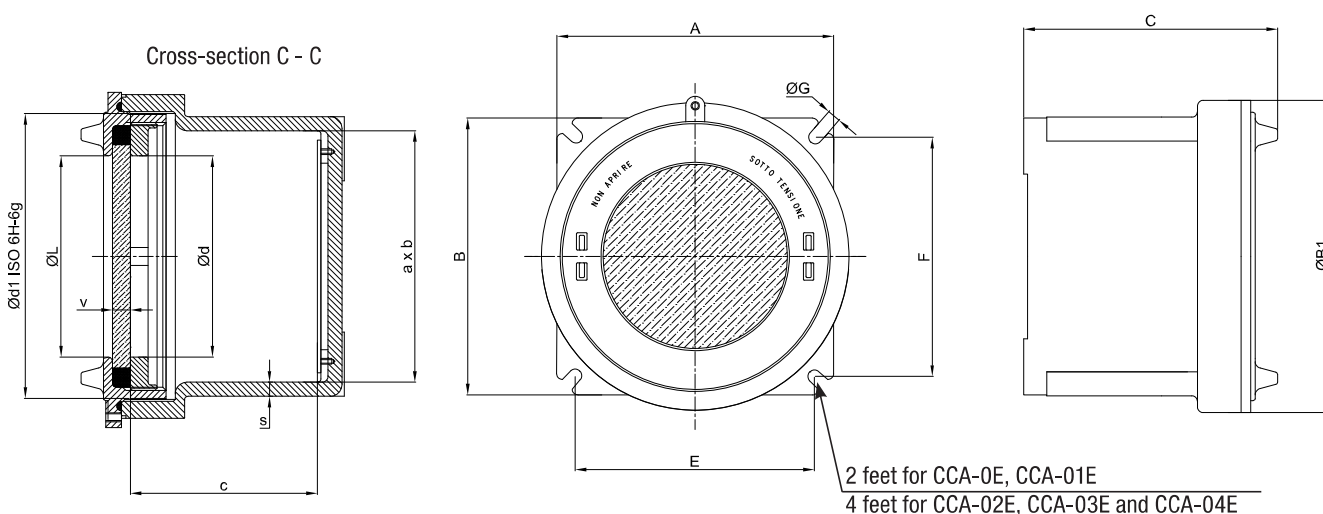
Classification:	Group II	Category 2GD		
Installation: EN 60079.14	zone 1 - zone 2 (Gas)	zone 21 - zone 22 (Dust)		
Marking:	CE 0722  II2(1)GD - Ex d [ia Ga] IIC T... Gb - Ex tb [ia Da] IIIC T...°C Db - IP66			
Certification:	ATEX	CESI 03 ATEX 174X		
	IEC Ex	CES 16.0015X	Para todos los datos de certificación IEC Ex, UKEX descargue el certificado de la página web www.cortemgroup.com	
	UKEX	AVAILABLE		
	ECASEx	AVAILABLE		
Standards:	CENELEC EN 60079-0: 2013, EN 60079-1: 2014, EN 60079-11: 2012, EN 60079-26: 2015, EN 60079-31: 2014 and EUROPEAN DIRECTIVE 2014/34/UE			
 Ambient Temp.:	 -20°C +40°C 	With temperature class T6 and maximum surface temperature T85°C.		
	 -20°C +55°C 	With temperature class T5 and maximum surface temperature T100°C.		
	 -60°C	On request.		
Degree of protection:	IP66			

CCA-...EH series Junction boxes with round viewing windows

CCA-...EH series junction boxes are used as enclosures for electrical equipment that requires a visual interface with the outside. Voltmeters, ammeters and other analogue and digital measuring instruments are typical examples of installations that require a window for taking direct readings. These enclosures are also used to house monitoring instruments such as infra-red photoelectric cells and twilight sensors that provide pulses for control and signalling equipment (opening/closing, alarms, etc....). Our technical department will decide what size enclosures to use based on your requirements and determine the internal layout so that all the dimensional and electrical parameters prescribed by the certificate are met. We can install equipment to your specifications within the technical limits allowed by the certificate and based on our standard control and signalling devices.



DIMENSIONAL DRAWING OF ENCLOSURES WITH ROUND VIEWING WINDOWS



ENCLOSURE SELECTION CHART

Code	Outside dimensions mm					Inside dimensions mm							Mounting mm			Weight kg
	A	B	C	ØB1	ØL	a	b	c	Ød	Ød1	s	v	E	F	ØG	
CCA-0EH	128	128	130	146	90	104	104	85	90	130x2	12	10	111	142	9	
CCA-01EH	145	145	155	160	90	121	121	105	92	150x2	12	10	128	150	9	
CCA-02EH	195	195	150	212	140	171	171	95	140	200x2	12	12	175	175	10	
CCA-03EH	240	240	210	260	180	216	216	154	180	240x3	12	15	213	213	12	
CCA-04EH	385	385	277	410	310	353	353	210	310	390x3	16	20	339	339	14	

CCA-...E, CCA-...EH series Accessories available on request and spare parts

ILLUSTRATION	DESCRIPTION	MODEL	FEATURES	CODE	KEY
	Internal mounting plates	CCA-0E, CCA-0EH	Thickness 2.5mm Aluminium (TF-...) Galvanized steel (TF-...AC)	TF-0E	 
		CCA-01E, CCA-01EH		TF-01E	
		CCA-02E, CCA-02EH		TF-02E	
		CCA-03E, CCA-03EH		TF-03E	
		CCA-04E, CCA-04EH		TF-04E	
	Breather and drain valve	Thread diameter ISO 7-R 3/8"	Material: stainless steel	ECD-210S	 
	Cable glands and unions		For models and codes, visit www.cortemgroup.com		 
	Viewing window	CCA-0EH	Shock and high temperature resistant borosilicate glass sealed in aluminium ring	K-0253	 
		CCA-01EH		K-0145	
		CCA-02EH		K-0254	
		CCA-03EH		K-0255	
		CCA-04EH		K-0195	

Enclosures	Internal mounting plates				
	A	B	a	b	Code
CCA-0E	100	100	80	60	TF-0E
CCA-01E	113	113	90	90	TF-01E
CCA-02E	150	150	120	120	TF-02E
CCA-03E	200	200	145	145	TF-03E
CCA-04E	270	270	230	230	TF-04E

