

The CCA...E series junction boxes complete the GUB series range and are recommended for fitting with terminals. The CCA...E series junction boxes complete the GUB series range and 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:







plants







Oil refineries Chemical and petrochemical plants

9

Offshore Oil loading/ plants offloading wharfs

Fuel depots

temperatures

CERTIFICATION DATA FOR EMPTY ENCLOSURES

Classification:	Group II	Category 2GD	
Installation: EN 60079.14	zone 1 - zone 2 (Gas)	zone 21 - zone 22 (Du	st)
Marking:	C€ 0722 € II 2 GD - Ex db	IIC Gb - Ex tb IIIC Db - I	P66
Certification:	ATEX CESI 01 ATEX 03	34U	
	IEC Ex CES 14.0012U		IEC Ex certification data contact
	TR CU AVAILABLE		TR CU certification data contact mm@antideflagrantigce.com
Standards:	CENELEC EN 60079-0: 2009, I EN 60529: 1991 and EUROPE		
Ambient Temp.:	-20°C +60°C 🌞	Standard temperature on (all CCAE boxes.
	-60°C +150°C	Special temperature.	
Degree of protection:		IP66	



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:	C€ 0722 ⓒ II 2 GD - Ex d	IIC T6, T5 Gb - Ex tb IIIC T85, T100°C Db - IP66
Certification:	ATEX CESI 01 ATEX 0	35
	IEC Ex CES 16.0013X	All IEC Ex certification data contact comm@antideflagrantigce.com
	TR CU AVAILABLE	All TR CU certification data contact comm@antideflagrantigce.com
	CCoE AVAILABLE	All CCoE certification data contact comm@antideflagrantigce.com
Standards:	CENELEC EN 60079-0: 2009, EN 60529: 1991 and EUROPE	EN 60079-1: 2007, EN 60439-1, EN 60079-31: 2009, EAN DIRECTIVE 2014/34/UE
Ambient Temp.:	-50°C +40°C 🌦	With temperature class T6 and maximum surface temperature T85°C.
	-50°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:	C€ 0722 ⓒ II2GD - Ex db I	IIC T6, T5 Gb - Ex tb IIIC T85°C, T100°C Db - IP66		
Certification:	ATEX CESI 01 ATEX 03	36X		
	IEC Ex CES 16.0013X	All IEC Ex certification data contact comm@antideflagrantigce.com		
	TR CU AVAILABLE	All TR CU certification data contact comm@antideflagrantigce.com		
	INMETRO DNV 14.0152	All INMETRO certification data contact comm@antideflagrantigce.com		
Standards:	CENELEC EN 60079-0: 2012 + EN 60529: 1991 and EUROPE	- A11: 2013, EN 60079-1: 2014, EN 60079-31: 2014, AN 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 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:	C€ 0722 ⓒ 112GD - Ex db 1	IIC T6, T5 Gb - Ex tb IIIC T85°C, T100°C Db - IP66
Certification:	ATEX CESI 01 ATEX 03	36X
	IEC Ex	All IEC Ex certification data contact comm@ntideflagrantigce.com
	TR CU AVAILABLE	All TR CU certification data contact comm@antideflagrantigce.com
Standards:	CENELEC EN 60079-0: 2012 + EN 60529: 1991 and EUROPE	+ A11: 2013, EN 60079-1: 2014, EN 60079-31: 2014, EAN 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℃	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:	C€ 0722 ऒ II2(1)GD - Ex c	l [ia Ga] IIC T Gb - Ex tb [ia Da] IIIC T°C Db - IP66
Certification:	ATEX CESI 03 ATEX 1	74X
	IEC Ex CES 16.0015X	Para todos los datos de certificación IEC Ex, contact comm@antideflagrantigce.com
	TR CU AVAILABLE	All TR CU certification data contact comm@antideflagrantigce.com
Standards:		EN 60079-1: 2007, EN 60079-11: 2007, EN 60079-26: ad 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





MECHANICAL FEATURES ORIGINAL PRODUCT

Body and lid:
Certification label:
Low copper content aluminium alloy. Screw-on lid with safety fastening grub screw
Resistant to acids, hydrocarbons and high temperatures, located between body and lid
Adhesive label located inside on empty enclosures; aluminium label riveted onto body on

other versions Stainless steel

Earth screws: Stainless steel. On inside and outside of body complete with anti-rotation brackets

Mounting: Cast aluminium feet

Coating: Polyester coating RAL 7035 (Light grey)

Corrosion Resistance

Bolts and screws:

: The STANDARD of the aluminium alloy used by manufacturer has passed the tests required by standards EN 60068-2-30 (hot/humid cycles) and EN 60068-2-11 (salt mist

ACCESSORIES AVAILABLE ON REQUEST/ SPECIAL REQUESTS

Internal anti-condensation coating RAL 2004 (pure orange)

Possible drilling of the enclosure bottom

Breather valve Code ECD-210S

Drain valve Code ECD-210S

External polyester coatings in different colour

CCA-...EH series enclosures with round viewing window on lid

Internal mounting plate: 2.5mm-thick aluminium (code TF-...E). See accessories section

2.5mm-thick electrogalvanized steel (code TF-...EAC)

Thread options:

- NPT threads ANSI B1.20.1
- GAS UNI ISO 7-1 thread
- Metric threads ISO 261/965

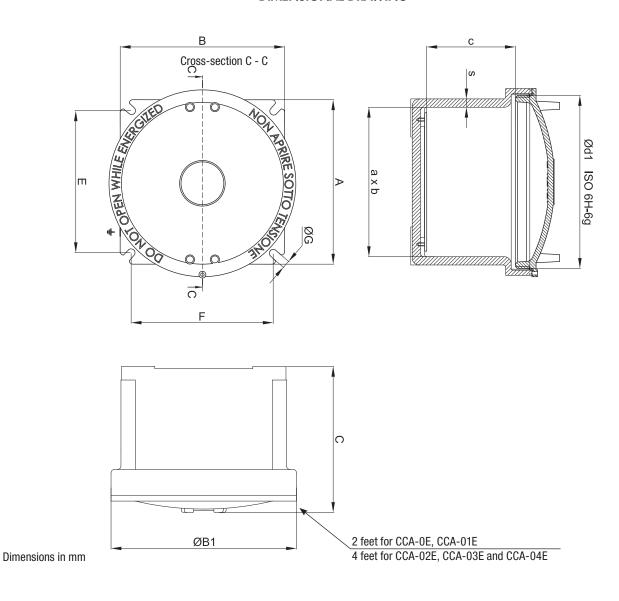
manufactures any type of custom-made products according to customer specifications and in compliance with the certification data.



ENCLOSURE SELECTION CHART

Code	Ou A	tside di B	imensio C	ns ØB1	a	Insid b	e dimei c	nsions Ød1	s	E	Mounti F	ng ØG	Weight kg
CCA-0E	128	128	133	146	104	104	75	130x2	12	111	138	9	
CCA-01E	145	145	135	170	121	121	75	150x2	12	128	150	9	
CCA-02E	195	195	159	220	171	171	83	200x3	12	175	175	10	
CCA-03E	240	240	230	270	216	216	140	250x3	12	213	213	12	
CCA-04E	385	385	294	410	353	353	156	390x3	16	339	339	14	

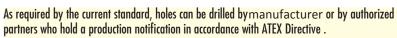
DIMENSIONAL DRAWING



CCA-...E series Body drilling data



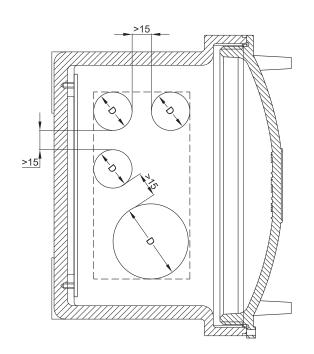
	THREAD COMPARISON CHART								
ISO 7-1	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
ANSI B.20.1 NPT	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"			
ISO 261/965	20x1.5	25x1.5	32x1.5	40x1.5	50x1.5	63x1.5	75x1.5	90x1.5	100x1.5
D Thread diameter	1	2	3	4	5	6	7	8	10





	HOLE DRILLING IN BODY											
TYPE OF	One side											
ENCLOSURE	Drilling area	Drilling area MAXIMUM QUANTITY PER HOLE TYPE										
	mm	1	2	3	4	5	6	7	8	10		
CCA-0E	95x65	6	4	2	1	1	1	-	-	-		
CCA-01E	108x65	6	4	3	2	1	1	-	-	-		
CCA-02E	130x65	8	6	3	2	2	2	-	-	-		
CCA-03E	155x115	12	12	6	6	4	2	1	1	1		
CCA-04E	243x140	28	22	15	12	8	6	3	2	2		





CCA-...E series Features of junction boxes with terminals





These enclosures are customized based on size, on the number of terminals or cables they are due to accommodate, or taking into account the number of cable entries and cabling requirements inside a system. Hence we can produce tailor-made solutions as long as you provide us with the appropriate parameters required at the quote request stage, such as the number of cable glands, unions or sealing fittings to be installed, so that we can determine the most suitable size of enclosure. All terminals can be fitted with your requested accessories and mounted on special rails that are fastened to the enclosure's internal mounting frames. Terminal strips can be arranged in various ways, as specified by the customer and always within the limits allowed by the certificate. The options are vertical, horizontal, in a number of rows, or on different levels using suitable spacers.

ELECTRICAL FEATURES

Rated voltage: 24 / 800 V Rated frequency: 50 / 60 Hz

Modular terminals

Terminal cross-sectional area: 2.5; 4; 6; 10; 16; 25; 35; 70; 95; 120; 185; 240 [mm²]

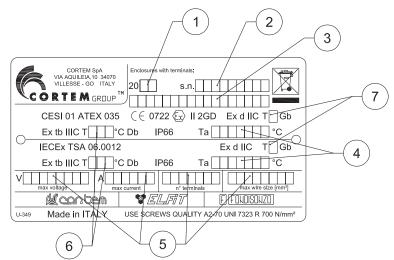
Rated current: 12.5 - 400 [A] **Max. current density:** 1.65 - 7 [A/mm²]

Multi-pole terminals

Terminal cross-sectional area: 3x16; 4x16; 3x25; 4x25; 3x40; 3x40; 4x40; 3x70; 4x70; 3x125; 3x200; 4x200; 3x315 [mm²]

Rated current: 48 - 252 [A] **Max. current density:** 0.8 - 3 [A/mm²]

ATEX - IECEx label for terminal enclosures



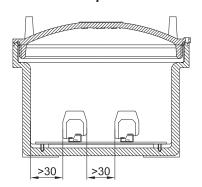
Data filled in:

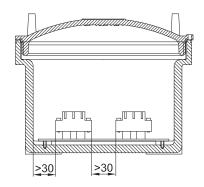
- 1. year of manufacture
- 2. serial number
- 3. product code
- 4. ambient temperature: Ta -20°C +40°C, Ta -20°C +55°C Ta -50°C +40°C, Ta -50°C +55°C
- 5. electrical specs
- 6. maximum surface temperature: T85°C (for Ta +40°C) T100°C (for Ta +55°C)
- 7. temperature class: T6 (for Ta +40°C) T5 (for Ta +55°C)

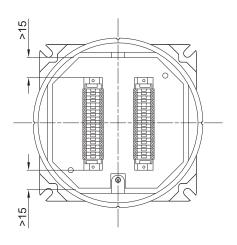
CCA-...E series Features of junction boxes with terminals

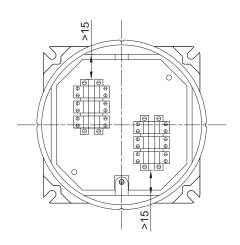


Examples of terminal strips with minimum installation distances









	MAXIMUM NUMBER OF TERMINALS HOUSED										
TYPE OF Enclosure	TERMINAL CROSS-SECTIONAL AREA										
	2.5	4	6	10	16	35	70	120	185		
CCA-0E	13	12	8	7	6	-	-	-	-		
CCA-01E	17	14	11	9	7	5	-	-	-		
CCA-02E	2x22	2x19	2x15	2x12	2x10	6	-	-	-		
CCA-03E	2x32	2x27	2x22	2x17	2x14	8	-	-	-		
CCA-04E	3x40	3x30	2x28	2x23	2x18	12	10	6	4		

Eg. 2x22= 2 rows of 22 terminals (total 44 terminals). The maximum number of standard terminals refers to the mounting of CABUR terminals





Control, monitoring and signalling units are used to produce control boards that, when positioned near the electrical equipment being controlled, enable the electrical system to operate correctly and guarantee the safety of personnel when maintenance is being performed on the system. Because they are fitted with a Manual/Automatic selector, they allow operators to select the appropriate conditions to enable work to be performed entirely safely. They offer protection and control for electrical equipment and control circuits located in explosion hazard areas and in particularly aggressive environments. They are used to hold electrical equipment, such as switches, indicators, contactors, transformers, analogue and digital components, etc.... with the option of external control by using body-mounted control and signalling devices, such as control levers, pushbuttons, indicator lights, etc.... manufacturer designs, develops and supplies full cabling for one or more enclosures tailored to your specific requirements, producing panel boards - including even extremely complex solutions - and providing a full inspection and testing service on request.

ELECTRICAL FEATURES

Rated voltage: 24 / 1000 Vac 12 / 250 Vdc

Max. current on contacts: 650 A Rated frequency: 50 / 60Hz

Features of equipment that can be installed inside enclosures to produce control and monitoring units.

Table of standard electrical features of components that can be installed in enclosures to produce control, monitoring and signalling units.

(The values refer to the catalogues of the leading manufacturers of electrical/electronic components available on the market)

COMPONENT TYPE	Max. V (Volts)	Max. I (Amperes)	Max. power (Watts)
Analogue and digital instruments	660	5	10
Electronic inverters/reactors	400	-	10
PLCs Multiplexers and amplifiers	240	-	80
Testing and measuring devices	240	-	100
Circuit breakers	660	650	-
Fuses	660	400	-
Relays	500	10	12
Electronic control devices	660	-	100
Contactors	660	650	30
Timers	240	10	5
Twilight relays	240	-	2
Capacitors	660	-	-
Transformers	660	-	200
Resistors	240	-	300
Terminals	660	-	-
Reactors	277	7.5	40

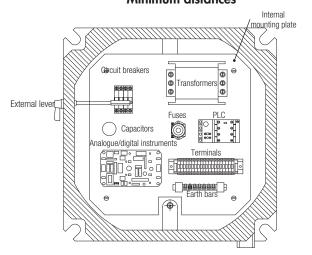
Minimum air gap between components

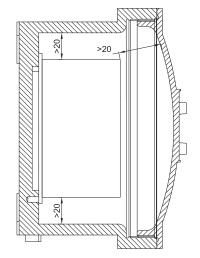
Component voltage (V ac)	Min. air gap (mm)			
60 - 250	6			
250 - 380	8			
380 - 500	10			
500 - 660	12			
660 - 1000	20			
Component voltage (V dc)	Min. air gap (mm)			
12 - 250	6			

Features of junction boxes for control, monitoring and signalling units

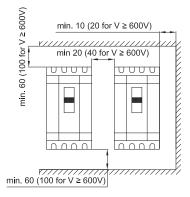


Example of internal layout for CCA-...E series enclosures. - Minimum distances -





Minimum distances for 630/650A switches and contactors



Identification and description of special equipment that is suitable for installation inside.

Enclosures with batteries

Option of installing low-capacity batteries ≤1.5Ah, for powering small electronic devices or backup memories. Whatever the case, the minimum distance of 20mm between the components installed and the inside walls of the enclosure must be met.

Enclosures with surge arresters

Option of installing PRD or similar types of surge arresters, with a maximum protection limit of 65kA; whatever the case, the minimum distance of 20 mm between the arrester and the inside walls of the enclosure must be met.

Enclosures with fibre-optic cables

The enclosures have provision for feeding multiple (not single) fibre-optic cables in and out. The permitted optical power and radiation limits for optical cables are:

- 35mW and 5mW/m² for T4 temperature class
- 15mW and 5mW/m² for T6 temperature class

Enclosures with radio-frequency sources

Option of installing components with radio-frequency sources in the 9kHz to 60GHz range that can be used for continuous and pulsed transmission of signals. Antennas can be installed inside or outside the enclosure and must:

- comply with one of the protection types indicated in standard EN 60079-0
- be installed outside the hazardous area.

For more information, refer to certificate CESI 01 ATEX 036X.

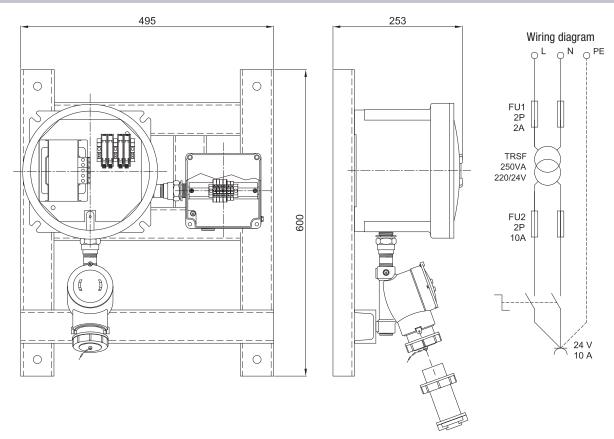
Table with maximum power dissipation values for CCA-...E series enclosures.

The temperature classes and maximum surface temperatures of control and monitoring unit enclosures depend on the size of the enclosure, ambient temperature and power dissipation inside the enclosure.

Enclosure type		Maximum power dissipation (Watts) with ambient temperature of +40°C						
		T6 class without indicator lights. Only indicator LEDs are allowed	T5 class with indicator lights and/or LEDs	T5 class without indicator lights. Only indicator LEDs are allowed				
CCA-0E	CCA-0EH	8	9	13				
CCA-01E	CCA-01EH	11	12	17				
CCA-02E	CCA-02EH	23	25	36				
CCA-03E	CCA-03EH	40	44	58				
CCA-04E	CCA-04EH	93	100	164				

Enclosure type		Maximum power dissipation (Watts) with ambient temperature of +55°C						
		T6 class without indicator lights. Only indicator LEDs are allowed	T5 class with indicator lights and/or LEDs	T5 class without indicator lights. Only indicator LEDs are allowed				
CCA-0E	CCA-0EH	6	7	9				
CCA-01E	CCA-01EH	9	10	13				
CCA-02E	CCA-02EH	20	22	28				
CCA-03E	CCA-03EH	29	32	43				
CCA-04E	CCA-04EH	70	77	125				

Example of panel with CCA-03E enclosure with 220/24V transformer and fuses for building PY-216V socket and SPY-216V plug complete with SA141410 enclosure with connection terminal strip



CCA-...E series Features of junction boxes with interface units



ELECTRICAL FEATURES

Rated voltage: 24 / 1000 Vac 12 / 250 Vdc

Max. current on

contacts and fuses: 400 A Rated frequency: 50 / 60Hz

GENERAL INSTALLATION INFORMATION

The maximum power dissipation inside the enclosure depends on the maximum current on contacts and fuses, the size of the enclosure, the temperature class (or maximum surface temperature for 2GD category) and ambient temperature, as specified in the maximum power dissipation tables (see previous page).

The maximum power dissipation must not exceed the values given in the table when non-'Ex i' components and 'Ex i' components (with 1.1W maximum power dissipation) are installed together.

The maximum power dissipation possible inside the enclosure will also depend on the maximum power dissipation of terminals, contacts and cables; whatever the case, the current density value allowed in the enclosure is prescribed by EN 60439-1, IEC 60439-1.

Details of barrier mounting inside enclosures

The "omega" rail, in accordance with EN 60079-11, is suitable for mounting barriers inside 'Ex d' enclosures.

Barriers are mounted (according to the manufacturer's directions) 7.5 mm away from the base of the enclosure and are secured to the DIN rail with 2 earth terminals (nominal cross-sectional area 6-10 mm) and 2 standard terminals for omega rails (EN 60079-11).

Up to how many barriers can be installed in the enclosures will depend on the properties of the barriers in question; in addition, the maximum number of barriers must not exceed the limit allowed by the certificate in any case.

Associated equipment can also be mounted on a DIN rail; when it is mounted on the enclosure's internal mounting plate, reference must be made to the minimum prescribed distances. Whether mounted on a rail or mounting plate, associated equipment must meet the following requirements:

Separators

When separators are used, they must be appropriately sized; their thickness and fastening inside the enclosure must be suitably determined and separators must allow air to circulate inside the enclosure.

Incoming cables

Incoming cables for 'Ex i' circuits must be suitably labelled or the area around the entry must be coloured blue RAL 5015. 'Ex i' entries must be clearly identified.

Installation of 'Ex i' and non-'Ex i' components inside the enclosure.

Ex d IIC certified enclosures complete with accessories can contain only Ex ia IIC associated equipment. In this case, the resulting version becomes Ex d [ia] IIC.

Connection of internal cables

Cables are connected inside the enclosure to the barriers in accordance with EN 60079-11, with one side for connecting 'Ex i' cables and the opposite side for connecting non-'Ex i' cables.

Connection in 'Ex i' circuits must be made using insulated cables only; there must be no connections to non-'Ex i' circuits and no more than one cable can be connected to a single terminal. 'Ex i' cables cannot be grouped together with non-'Ex i' cables. In addition, 'Ex i' cables and non-'Ex i' cables must be kept separate. The minimum distance between the 2 types of cables must be 8 mm. The minimum insulation level for non-'Ex i' cables must be greater than 1.5 kV; the minimum insulation level for 'Ex i' cables must be greater than 0.5 kV.

Internal connections

When routing cables belonging to 'Ex i' circuits, the cables must be identified in one of the following ways:

- cables must have blue insulation (as long as there are no other cables inside the enclosure with this colour).
- 'Ex i' cables must be kept separate from non-'Ex i' cables with blue cable raceways.
- 'Ex i' cables must be grouped together, using a tie, for example, and the area identified with a blue label.

Warning 'Ex i' circuits

- cables for power circuits must have a cross-sectional area of at least 1.5 mm².
- 'Ex i' circuits must be kept at a distance of 50 mm from non-'Ex i' circuits.
- the earth connection must meet European standard EN 60079-14.

CCA-...E series Features of junction boxes with interface units

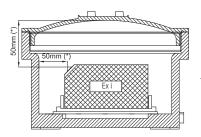


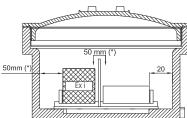
The number of items of equipment mounted inside the enclosures and their layout will vary based on the following:

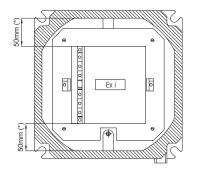
- in accordance with standards EN 60079-1 and IEC 60079-1, the equipment contained inside the enclosure can be arranged in any way provided that at least 20% of the surface area of each section is left free.
- equipment must be set at a suitable distance to accommodate cable wiring.

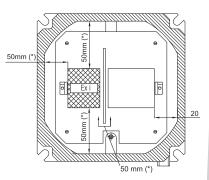
Example of interface unit without separator

Example of interface unit (with associated equipment) complete with separator





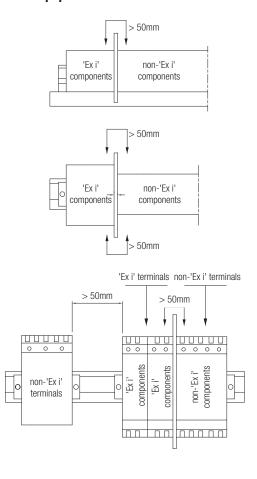




NOTES

- (*) 50 mm is the minimum safe distance between 'Ex i' components and non-'Ex i' components (and/or conducting parts).
- The active and passive barriers that can be installed in the enclosures must have their own ATEX certificate.
- The maximum voltage entering barriers on non-'Ex i' circuits must be less than $250\ \text{V}.$

Examples of installation of associated equipment - minimum distances.



DON'T FORGET TO ORDER THE ACCESSORIES

Example:

Enclosure type CCA-03E

Internal mounting plate TF-03E

Cable glands, unions

other...see key



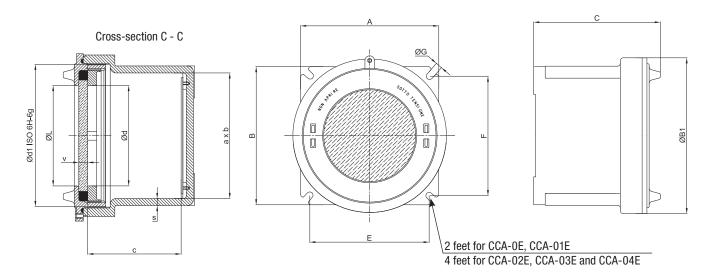
CCA-...EH series Junction boxes with round viewing windows



CCAE-...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	Ou A	tside d B	limens C	ions m ØB1	m ØL	a	ln b	ıside d c	imens Ød	ions mm Ød1	s	V	Moi E	unting F	mm ØG	Weight kg
CCA-OEH	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	104	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	140	180	240x3	12	15	213	213	12	
CCA-04EH	385	385	277	410	310	353	353	190	310	390x3	16	20	339	339	14	

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



ILLUSTRATION	DESCRIPTION	MODEL	FEATURES	CODE	KEY	
	Internal mounting plates	CCA-0E, CCA-0EH		TF-0E		
		CCA-01E, CCA-01EH	Thickness 2.5mm	TF-01E	PARE PART	
		CCA-02E, CCA-02EH	(11)	TF-02E		
		CCA-03E, CCA-03EH	Galvanized steel (TFAC)	TF-03E		
		CCA-04E, CCA-04EH		TF-04E		
	Breather and drain valve	Thread diameter ISO 7-R 3/8"	Material: stainless steel		SOARE PART	
	Cable glands and unions		For models and codes, visit www.cortemgroup.com		SOARE PART	
	Viewing window	CCA-0EH		K-0253		
		CCA-01EH	Shock and high	K-0145	SOAR PAT	
08		CCA-02EH	temperature resistant borosilicate glass sealed in aluminium	K-0254		
		CCA-03EH	ring	K-0255		
		CCA-04EH		K-0195		

Freleeuwee	Internal mounting plates								
Enclosures	A B		а	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				

