



## EU Type Examination Certificate CML 21ATEX3848X Issue 0

- 1 Equipment intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU
- 2 Equipment **CMD-... Command, Control and Signalling Units**
- 3 Manufacturer **Cortem S.p.A**
- 4 Address **Via Aquileia 10,  
34070 Villesse  
Gorizia, Italy**
- 5 The equipment is specified in the description of this certificate and the documents to which it refers.
- 6 CML B.V., Chamber of Commerce No 6738671, Koopvaardijweg 32, 4906CV Oosterhout, The Netherlands, Notified Body Number 2776, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment intended for use in potentially explosive atmospheres given in Annex II to the Directive.  
  
The examination and test results are recorded in the confidential reports listed in Section 12.
- 7 If an 'X' suffix appears after the certificate number, it indicates that the equipment is subject to conditions of safe use (affecting correct installation or safe use). These are specified in Section 14.
- 8 This EU Type Examination certificate relates only to the design and construction of the specified equipment or component. Further requirements of Directive 2014/34/EU Article 13 apply to the manufacture of the equipment or component and are separately certified.
- 9 Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the confidential report, has been demonstrated through compliance with the following documents:

EN IEC 60079-0:2018	EN 60079-1:2014	EN IEC 60079-7:2015+A1:2018
EN 60079-11:2012	EN IEC 60079-18:2015+A1:2017	IEC 60079-31:2022

- 10 The equipment shall be marked with the following:



II 2 G D  
Ex db eb IIC T... Gb  
Ex tb IIIC T...°C Db



II 2 G D  
Ex eb IIC T... Gb  
Ex tb IIIC T...°C Db

Ambient ranges:  
-40°C to +35°C (T6/T60°C)  
-40°C to +37°C (T6/T62°C)  
-40°C to +50°C (T5/T75°C)  
-40°C to +52°C (T5/T77°C)  
-40°C to +60°C (T4/T85°C)



II 2 G D  
Ex eb ia IIC T... Gb  
Ex ia tb IIIC T...°C Db



II 2 G D  
Ex db eb ib mb IIC T... Gb  
Ex ib tb IIIC T...°C Db

The marking is dependent on the previously certified components installed as defined in the manufacturer's documents.



II 2 G D  
Ex ia IIC T... Gb  
Ex ia tb IIIC T...°C Db





CML 21ATEX3848X  
Issue 0

## 11 Description

The CMD-... Command, Control and Signalling Units are increased safety control stations constructed from polyester resin. The rectangular enclosure consists of a base and cover secured with four fixings, one in each corner. Internally, a fixing rail intended for separately certified terminals is provided along with an earthing screw.

The enclosure is available in three lengths. The longest enclosure (181 mm x 86 mm x 80.5 mm) allowing for three possible entries through the cover and two through the side of the base. The middle-sized enclosure (135 mm x 86 mm x 80.5 mm) allows for two possible entries through the cover and one through the side of the base. The smallest enclosure 90 mm x 86 mm x 80.5 mm) allows for one possible entry through the cover only.

The CMD-... Command, Control and Signalling Units may be fitted with various pre-approved safety components as detailed below:

Component	Certificate Number
M-0603 Simple Push button	CESI 09ATEX075U IECEX CES 11.0029U
M-0604 Rotary Selector	CESI 09ATEX075U IECEX CES 11.0029U
M-0605 Emergency push button	CESI 09ATEX075U IECEX CES 11.0029U
M-0612 Multi-LED Pilot Light	CESI 00 ATEX 060U IECEX CES 11.0030U
M-0530 Contact No	CESI 09ATEX016U IECEX CES 11.0031U
M-0531 Contact NC	CESI 09ATEX016U IECEX CES 11.0031U
B-0140 Ammeter or Voltmeter	CESI 04ATEX 128U IECEX CES 12.0022U
CZ4000 Explosion proof operation heads	Sira 15ATEX3333U IECEX CQM 15.0035U
CZ0201 Explosion proof switch module	Presafe 16ATEX 9096U IECEX CQM 08.0005U
CZ0202 Explosion proof signal lamp module	Presafe 16ATEX 8565U IECEX CQM 08.0006U
CZ0203 Explosion Proof Potentiometer module	Presafe 16ATEX9214U IECEX CQM 11.0033U



**CML 21ATEX3848X**  
**Issue 0**

Component	Certificate Number
CZ1208 Explosion proof (flash) buzzer	EPT 16 ATEX 2404U IECEX EUT 16.0011U
CZ0205 Explosion proof voltmeter, ammeter module	Sira 14ATEX3169U IECEX CQM 14.0034U
B-0305/B-0306 Explosion proof fuses	CML 16ATEX4300X IECEX CSA 16.0042X
HL0101, HL0101A, HL01012 Explosion proof switch module	CNEX 17ATEX 0007U IECEX CNEX 17.0015U
Explosion-proof ammeters – Type: HL0109 Series	TPS 19 ATEX 003086 0008 U IECEX TPS 19.0011U
UT, AGK Terminals	KEMA 04ATEX2048U IECEX KEM 06.0027U
G5/...-EX Terminals	PTB 06ATEX1034U IECEX 06.0043U
AKZ, AKE & AKZ4, WEMIND Terminals	TUV 18ATEX8221U IECEX TUR 18.0024U
SAKK Terminals	TUV 18ATEX8208U IECEX TUR 18.0018U

## 12 Certificate history and evaluation reports

Issue	Date	Associated report	Notes
0	10 Jun 2022	R14411A/00	Issue of Prime Certification

Note: Drawings that describe the equipment or component are listed in the Annex.

## 13 Conditions of Manufacture

The following conditions are required of the manufacturing process for compliance with the certification.

- i. Where the product incorporates certified parts or safety critical components the manufacturer shall ensure that any changes to those parts or components do not affect the compliance of the certified product that is the subject of this certificate.
- ii. Information shall be provided to the end-user which determines the supply ratings of each part installed within the enclosure, as well as the power dissipation limit defined for the enclosure.
- iii. The combined power of the components within the device shall never exceed 5.8 W for the CMD-1, 8.2 W for the CMD-2 and 10.6 W for the CMD-3.



**CML 21ATEX3848X  
Issue 0**

- iv. The manufacturer shall mark the ambient temperature rating on the equipment to ensure that the items fitted within remain within their minimum and maximum service/ambient temperatures, as stated in the schedule of limitations for each of these previously certified parts.
- v. The user instructions for each previously certified part fitted into the enclosure shall be provided with the equipment to the end-user.

#### **14 Specific Conditions of Use**

The following conditions relate to safe installation and/or use of the equipment.

- i. Wipe only with a damp cloth, potential charging hazard

## Certificate Annex

**Certificate Number** CML 21ATEX3848X  
**Equipment** CMD-... Command, Control and Signalling Units  
**Manufacturer** Cortem S.p.A



The following documents describe the equipment or component defined in this certificate:

### Issue 0

Drawing No	Sheets	Rev	Approved date	Title
A3-7718	1 to 2	0		Control Statins CMD
A4-7719	1 to 8	0		Technical Note