



EU Type Examination Certificate CML 22ATEX3673X Issue 0

- 1 Equipment intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU
- 2 Equipment **3 Pole and 5 Pole FASTEx Metallic Connector**
- 3 Manufacturer **CORTEM S.p.A** **Elfit S.p.A**
- 4 Address **Via Aquileia 10** **Via Aquileia, 12**
I - 34070 Villesse (GO) **I-34070 Villesse (GO)**
Italy **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 67386717, 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.

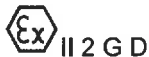
- 7 If an 'X' suffix appears after the certificate number, it indicates that the equipment is subject to conditions of safe use (affecting correct installation or safe use). These are specified in Section 14.
- 8 This EU Type Examination certificate relates only to the design and construction of the 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 60079-7:2015+A1:2018

EN 60079-31:2014

- 10 The equipment shall be marked with the following:



Ex eb IIC T6 Gb

Ex tb IIIC T66°C Db IP66

Ta=-60°C to +46°C



Ex eb IIC T5 Gb

Ex tb IIIC T80°C Db IP66

Ta=-60°C to +60°C





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11 Description

The connectors are used for electrically connecting or disconnecting circuits. There are two types of connectors:

Type 1. 3-Pole connector (1 phase + 1 neutral + earth) ;

Type 2. 5-Pole connector (2 phases + 2 neutral +1 earth) or (3 phases + 1 neutral +1 earth).

This is a two-piece type connector which is divided into a plug and socket. Each plug and socket has a removable contact holder. The contact holder consists of phase/neutral pins and earth pins. The metallic pins are over moulded with the contact holder and makes up an inseparable part. This connector has a polarization feature which ensures mating in the correct orientation and prevents mating in any other manner.

12 Certificate history and evaluation reports

Issue	Date	Associated report	Notes
0	13 Sep 2023	R15891A/00	Issue of Prime Certificate

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 of the product defined on this certificate shall continually monitor these parts/components for any modifications introduced by the manufacturer(s) of these constituent parts. If the manufacturer of any constituent part introduces any changes which affect the compliance of the certified product that is the subject of this certificate, the manufacturer is required to have this certificate updated.
- ii. The manufacturer shall conduct an electric strength test on each of the equipment between the pins and also between the pins and the body of the connector. The test shall be carried out in accordance with EN IEC 60079-7:2015+A1:2018, clause 6.1, at 1640 V r.m.s. No flashover or breakdown shall occur.

14 Specific Conditions of Use (Special Conditions)

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

- i. The 3 pole connectors that are threaded into enclosures has only been subjected to a 4J impact test. The end user shall ensure that the equipment is installed to ensure that the connector isn't subjected to mechanical impacts.
- ii. The equipment shall only be cleaned with a damp or anti-static cloth and must be subjected to a force of no more than manual rubbing.
- iii. The plug and socket connection must remain connected at all times in a hazardous area.



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- iv. The end user shall ensure that the connector either has electrical continuity with a suitably earthed enclosure or earthed using the earth tag provided.

Certificate Annex

Certificate Number CML 22ATEX3673X
Equipment 3 Pole and 5 Pole FASTEx Metallic Connector
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
A1-8211	1 of 1	0	13 Sep 2023	Metallic connector components- 5 Pole
A1-8212	1 of 1	0	13 Sep 2023	Metallic connector components- 3 Pole
A3-8156	1 to 4 2 of 4 3 of 4 4 of 4	0 0 0 0	13 Sep 2023	5-Pole Metallic Connector 3-Pole Metallic Connector 5-Pole Metallic Connector 3-Pole Metallic Connector
A4-8154	1 to 5	0	13 Sep 2023	Technical note
A4-8312	1 of 1	0	13 Sep 2023	FASTEx-M... Marking
FASTEx-M_BOM	1 to 2	-	13 Sep 2023	Bill of Materials