

Type Examination Certificate CML 23UKEX3176X Issue 0**United Kingdom Conformity Assessment**

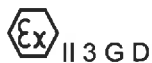
- 1 Product or Protective System Intended for use in Potentially Explosive Atmospheres UKSI 2016:1107 (as amended)
- 2 Equipment **3 Pole and 5 Pole FASTEx Metallic Connector**
- 3 Manufacturer **CORTEM S.p.A** **Elfit S.p.A**
- 4 Address **Via Aquileia 10** **Via Aquileia, 12**
I - 34070 Villesse (GO) **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 Eurofins E&E CML Limited, Newport Business Park, New Port Road, Ellesmere Port, CH65 4LZ, United Kingdom, 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 Schedule 1 of the Regulations.
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 specific conditions of use (affecting correct installation or safe use). These are specified in Section 14.
- 8 This Type Examination certificate relates only to the design and construction of the specified equipment. Further requirements of the Regulations apply to the manufacturing process and supply of the product. These are not covered by this certificate.
- 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

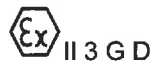
- 10 The equipment shall be marked with the following:



Ex ec IIC T6 Gc

Ex tc IIIC T66°C Dc IP66

Ta=-60°C to +46°C



Ex ec IIC T5 Gc

Ex tc IIIC T80°C Dc 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 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

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 23UKEX3176X
Equipment 3 Pole and 5 Pole FASTEx Metallic Connector
Manufacturer CORTEM S.p.A



The following documents describe the equipment 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 of 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