



# IECEX Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit [www.iecex.com](http://www.iecex.com)

Certificate No.: **IECEX CML 22.0107X** Page 1 of 3 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2023-09-13

Applicant: **CORTEM S.p.A**  
Via Aquileia 10  
34070 Villesse  
Gorizia  
Italy

Equipment: **3 Pole or 5 Pole FASTEx Metallic Connector**

Optional accessory:

Type of Protection: **Increased Safety Ex "eb" and Protection by enclosure Ex "tb"**

Marking:

Ex eb IIC T6 Gb	Ex ec IIC T6 Gc
Ex tb IIIC T66°C Db IP66	Ex tc IIIC T66°C Dc IP66
Tamb = -60°C to +46°C	Tamb = -60°C to +46°C
Ex eb IIC T5 Gb	Ex ec IIC T5 Gc
Ex tb IIIC T80°C Db IP66	Ex tc IIIC T80°C Dc IP66
Tamb = -60°C to +60°C	Tamb = -60°C to +60°C

Approved for issue on behalf of the IECEx  
Certification Body:

**L A Brisk**

Position:

**Assistant Certification Manager**

Signature:  
(for printed version)

Date:  
(for printed version)

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting [www.iecex.com](http://www.iecex.com) or use of this QR Code.



Certificate issued by:

**Eurofins E&E CML Limited**  
Unit 1, Newport Business Park  
New Port Road  
Ellesmere Port, CH65 4LZ  
United Kingdom





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Manufacturer: **CORTEM S.p.A**  
Via Aquileia 10  
34070 Villesse  
Gorizia  
**Italy**

Manufacturing  
locations: **CORTEM S.p.A**  
Via Aquileia 10  
34070 Villesse  
Gorizia  
**Italy**

**ELFIT S.p.A.**  
Via Aquileia, 12  
I-34070 Villesse (GO)  
**Italy**

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEX Quality system requirements. This certificate is granted subject to the conditions as set out in IECEX Scheme Rules, IECEX 02 and Operational Documents as amended

#### STANDARDS :

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

[IEC 60079-0:2017](#) Explosive atmospheres - Part 0: Equipment - General requirements  
Edition:7.0

[IEC 60079-31:2013](#) Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"  
Edition:2

[IEC 60079-7:2017](#) Explosive atmospheres - Part 7: Equipment protection by increased safety "e"  
Edition:5.1

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

#### TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Report:

[GB/CML/ExTR22.0251/00](#)

Quality Assessment Reports:

[IT/CES/QAR06.0002/17](#)

[IT/CES/QAR13.0001/10](#)



# IECEX Certificate of Conformity

Certificate No.: **IECEX CML 22.0107X**

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**EQUIPMENT:**

Equipment and systems covered by this Certificate are as follows:

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).

**See Annex for full description and Conditions of Manufacture.**

**SPECIFIC CONDITIONS OF USE: YES as shown below:**

**See Annex for Specific Conditions of Use.**

**Annex:**

[IECEX CML 22.0107X Issue 0 Certificate Annex.pdf](#)

**Annexe to:** IECEx CML 22.0107X Issue 0  
**Applicant:** CORTEM S.p.A  
**Apparatus:** 3 Pole and 5 Pole FASTEx Metallic Connector

## 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.

## Conditions of Manufacture

The following are conditions of manufacture:

- 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 IEC 60079-7:2015 Ed.5.1, clause 6.1, at 1640 V r.m.s. No flashover or breakdown shall occur.

## Specific Conditions of Use

The following relate to the installation and/or safe 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.
- 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 IECEx  
Version: 9.0 Approval: Approved

Eurofins E&E CML Limited  
Newport Business Park  
New Port Road  
Ellesmere Port  
CH65 4LZ

T +44 (0) 151 559 1160  
E info@cmlex.com

[www.cmlex.com](http://www.cmlex.com)

Company Reg No. 8554022 VAT No. GB163023642