



# 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)

### Ex COMPONENT CERTIFICATE

Certificate No.: **IECEX CML 18.0228U** Page 1 of 4 [Certificate history:](#)  
Issue 0 (2019-01-21)

Status: **Current** Issue No: 1

Date of Issue: 2020-03-20

Applicant: **Index Enclosures Ltd.**  
Unit 5 Wyvern Way, Ashford, Kent, TN24 8DW  
**United Kingdom**

Ex Component: ITB and ISTB Enclosures

*This component is NOT intended to be used alone and requires additional consideration when incorporated into other equipment or systems for use in explosive atmospheres (refer to IEC 60079-0).*

Type of Protection: **Increased Safety "eb", Dust Ignition "tb"**

Marking: Ex eb IIC Gb  
Ex tb IIIC Db  
IP66  
Ts: -50°C to +135°C

Approved for issue on behalf of the IECEx  
Certification Body:

**H Amos**

Position:

**Technical Manager**

Signature:  
(for printed version)

Date:

March 20, 2020

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: **Index Enclosures Limited**  
Unit 5 Wyvern Way, Ashford, Kent, TN24 8DW  
**United Kingdom**

Additional  
manufacturing  
locations:

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 60079-7:2015** Explosive atmospheres – Part 7: Equipment protection by increased safety "e"  
Edition:5.0

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/EXTR18.0297/00](#)

Quality Assessment Report:

[GB/CML/QAR20.0009/00](#)



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**Ex Component(s) covered by this certificate is described below:**

## **iTB Range**

The enclosures in the iTB range are fabricated from painted mild steel or stainless steel and consist of a body and hinged door up to 1000 mm wide, or doors up to 1000 mm wide closing to a centre bar, to the front of the enclosure, complete with silicone gaskets.

## **iSTB Range**

The enclosures in the iSTB range are fabricated from painted mild steel or stainless steel and consist of a body and bolted cover complete with silicone gaskets. The enclosure meets a degree of protection of IP66 and is available in sizes ranging from 100 x 100 x 80 mm to 2000 x 1200 x 800 mm.

Refer to Annex for full description.

## **SCHEDULE OF LIMITATIONS:**

Refer to Annex for Schedule of Limitations.



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## **DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)**

Issue 1

1. To update QAR reference

### **Annex:**

[IECEX CML 18.0228U Iss. 1 Certificate Annex.pdf](#)

**Annexe to:** IECEx CML 18.0228U Issue 1  
**Applicant:** Index Enclosures Ltd.  
**Apparatus:** iTB and iSTB Enclosures



## Product Description

### iTB Range

The enclosures in the iTB range are fabricated from painted mild steel or stainless steel and consist of a body and hinged door up to 1000 mm wide, or doors up to 1000 mm wide closing to a centre bar, to the front of the enclosure, complete with silicone gaskets. Additionally, a hinged door up to 1000 mm wide, or doors up to 1000 mm wide closing to a centre bar, to the rear of the enclosure is permitted. The enclosure meets a degree of protection of IP66 and is available in sizes ranging from 230 x 150 x 130 mm to 2000 x 1000 x 800 mm. The body may be supplied with gland plates on up to four side faces and the lid is secured to the body by two, three or four hinges and from two to five M6 screws or quarter-turn locks, depending on the size of enclosure. There are studs inside the enclosures for the subsequent mounting of components. Internal M6 earth studs are provided on the lid and gland plates. An internal/external M6 or M10 earth stud is provided in the main enclosure body.

### iSTB Range

The enclosures in the iSTB range are fabricated from painted mild steel or stainless steel and consist of a body and bolted cover complete with silicone gaskets. The enclosure meets a degree of protection of IP66 and is available in sizes ranging from 100 x 100 x 80 mm to 2000 x 1200 x 800 mm. The body may be supplied with gland plates on up to four side faces and the cover is secured to the body by four M6 screws. There are studs inside the enclosure for the subsequent mounting of components. Internal M6 earth studs are provided on the lid and gland plates. An internal/external M6 or M10 earth stud is provided in the main enclosure body.

## Conditions of Manufacture

None.

## Schedule of Limitations

- i. The service temperature range of -50°C to +135°C shall not be exceeded.

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