



IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: IECEx SIR 12.0083U issue No.:4
Status: **Current**
Date of Issue: **2015-06-03** Page 1 of 4
Applicant: **Index Enclosures Limited**
Montpelier Business Park
Leacon Road
Ashford
Kent TN23 4FG
United Kingdom

Certificate history:
Issue No. 4 (2015-6-3)
Issue No. 3 (2014-3-25)
Issue No. 2 (2013-1-24)
Issue No. 1 (2012-10-29)
Issue No. 0 (2012-10-12)

Electrical Apparatus: **iTB and iSTB Enclosures**
Optional accessory:

Type of Protection: **Increased Safety and Dust**

Marking: Ex e IIC Gb
Ex tb IIIC Db IP66

Approved for issue on behalf of the IECEx
Certification Body:

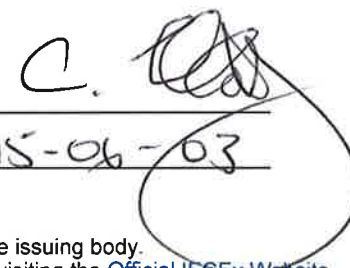
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Position:

Deputy Certification Manager

Signature:
(for printed version)

Date:


2015-06-03

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 the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

sira
CERTIFICATION



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Page 2 of 4

Manufacturer: **Index Enclosures Limited**
Montpelier Business Park
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Ashford
Kent TN23 4FG
United Kingdom

Additional Manufacturing location
(s):

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 electrical apparatus 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 : 2011 Edition: 6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-31 : 2013 Edition: 2	Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
IEC 60079-7 : 2006-07 Edition: 4	Explosive atmospheres - Part 7: Equipment protection by increased safety "e"

*This Certificate **does not** indicate compliance with electrical 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/SIR/ExTR12.0176/00
GB/SIR/ExTR14.0070/00

GB/SIR/ExTR12.0261/00
GB/SIR/ExTR15.0151/00

GB/SIR/ExTR13.0018/00

Quality Assessment Report:

GB/SIR/QAR12.0012/01



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Certificate No.: IECEx SIR 12.0083U

Date of Issue: 2015-06-03

Issue No.: 4

Page 3 of 4

Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

iTB Range: The enclosures in the iTB range are fabricated from painted mild steel or stainless steel and consist of a body and hinged lid complete with silicone gaskets. They have been tested and meet an ingress protection level of at least IP66 and are available in sizes ranging from 230 x 150 x 130 mm to 1200 x 1000 x 300 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, depending on the size of enclosure. There are studs inside the enclosures for the subsequent mounting of components and internal, M6, earth studs are provided on the lid, in addition, there is an internal/external, M10, earth stud 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. They have been tested and meet an ingress protection level of at least IP66 and are available in sizes ranging from 100 x 100 x 60 mm to 600 x 600 x 300 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 enclosures for the subsequent mounting of components and internal M6 earth studs are provided on the lid, in addition there is an internal/ external M10 earth stud in the main enclosure body.

Schedule of limitations

The user/installer shall comply with the following:

1. The service temperature range of -50°C to +135°C shall not be exceeded.
2. When Fitted with quarter turn locks the service temperature range of -40°C to +135°C shall not be exceeded.

CONDITIONS OF CERTIFICATION: NO



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Certificate No.: IECEx SIR 12.0083U

Date of Issue: 2015-06-03

Issue No.: 4

Page 4 of 4

DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

Issue 1 – this Issue introduced the following change:	
1	The introduction of an alternative hinged cover.
Issue 2 – this Issue introduced the following change:	
1	The introduction of a new enclosure to each of the iTB and iSTB ranges; these enclosures are larger than those originally certified, the dimensions being 2000 x 1200 x 800 mm.
Issue 3 – this Issue introduced the following changes:	
1.	The option of using a quarter turn lock on the iTB enclosures as an alternative to M6 fasteners was approved.
2.	A new Schedule of Limitations was introduced.
Issue 4 – this Issue introduced the following changes:	
1.	Following appropriate assessment to demonstrate compliance with the latest technical knowledge, IEC 60079-31:2008 Ed 1 was replaced by IEC 60079-31:2013 Ed 2.
2.	A double door option that closes onto a centre bar was introduced to the iTB Range. The double door option has an increased enclosure width 2000 mm (1000 mm per door).