



## EU Type Examination Certificate CML 18ATEX3416U Issue 0


- 1 Equipment intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU
  - 2 Equipment **iTB and iSTB Enclosures**
  - 3 Manufacturer **Index Enclosures Ltd.**
  - 4 Address **Unit 5 Wyvern Way,  
Ashford, Kent, TN24 8DW,  
United Kingdom**
  - 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 6738671, Hoogoorddreef 15, Amsterdam, 1101 BA, 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 60079-0:2018

EN 60079-7:2015

EN 60079-31:2014

- 10 The equipment shall be marked with the following:

 II 2 G D

Ex eb IIC Gb

Ex tb IIIC Db

IP66

Ts: -50°C to +135°C



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## 11 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.

## 12 Certificate history and evaluation reports

Issue	Date	Associated report	Notes
0	21 Jan 2019	R12177A/00	Issue of prime certificate

Note: Drawings that describe the equipment or component are listed in the Annex.

## 13 Conditions of Manufacture

None.

## 14 Schedule of Limitations

The following limitations relate to safe installation and/or use of the components.

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

## Certificate Annex



**Certificate Number** CML 18ATEX3416U  
**Equipment** iTB and iSTB Enclosures  
**Manufacturer** Index Enclosures Ltd.

The following documents describe the equipment or component defined in this certificate:

### Issue 0

Drawing No	Sheets	Rev	Approved date	Title
iEL00001	1 of 1	6	21 Jan 2019	iTB Enclosure range composite approval GA
iEL00002	1 of 1	7	21 Jan 2019	iSTB Enclosure range composite approval GA
iEL00003	1 of 1	5	21 Jan 2019	iTB Range Component Label
iEL00003	1 of 1	6	21 Jan 2019	Combined ATEX and IECEx component label (iTB)
iEL00004	1 of 1	5	21 Jan 2019	iSTB Range Component Label
iEL00004	1 of 1	6	21 Jan 2019	Combined ATEX and IECEx component label (iSTB)
iEL00021	1 of 1	0	21 Jan 2019	iTB Enclosure Range Hinge Comparison
iEL00024	1 of 1	0	21 Jan 2019	iTB Enclosure range quarter turn lock variant
iEL00025	1 of 1	0	21 Jan 2019	Quarter Turn Lock
iEL00027	1 to 2	1	21 Jan 2019	Double Door Cabinet
iEL00028	1 of 1	1	21 Jan 2019	iTB Cabinet Doors Front & Rear View
iEL00031	1 of 1	0	21 Jan 2019	iTB iSTB Enclosure Range Top Upstand Comparison
iEL00032	1 of 1	0	21 Jan 2019	iTB iSTB Enclosure Range New Nutsert Style Lid Fixing Comparison
iEL00034	1 of 1	0	21 Jan 2019	Alternative Earth Stud Assemblies