



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

Ex COMPONENT CERTIFICATE

Certificate No.: IECEx FTZU 10.0025U

Issue No: 1

Certificate history:

Status: Current

Page 1 of 4

Issue No. 1 (2018-11-23)

Issue No. 0 (2011-02-24)

Date of Issue: 2018-11-23

Applicant: IMO Precision Controls Ltd.
The Interchange, Frobisher Way
Hatfield, Hertfordshire, AL10 9TG
United Kingdom

Ex Component: Range of rail mounted terminals ER *- T15; ERPE *- T15; ERD *- ER T*E; ER T3

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

Marking:
Ex eb IIC Gb

Approved for issue on behalf of the IECEx
Certification Body:

Dipl. Ing. Lukáš Martinák

Position:

Head of the Certification Body

Signature:
(for printed version)

Date:

Lukáš Martinák
2018-11-23



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:

Fyzikálně technický zkušební ústav
(Physical -Technical Testing Institute)
Pikartska 7, 71607 Ostrava - Radvanice
Czech Republic





IECEx Certificate of Conformity

Certificate No: IECEx FTZU 10.0025U

Issue No: 1

Date of Issue: 2018-11-23

Page 2 of 4

Manufacturer: IMO Precision Controls Ltd.
The Interchange, Frobisher Way
Hatfield, Hertfordshire, AL10 9TG
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 Component 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 Ex Component 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 Explosive atmospheres - Part 0: General requirements
Edition:6.0

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

*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 Ex Component listed has successfully met the examination and test requirements as recorded in

Test Report:

CZ/FTZU/ExTR10.0025/00

CZ/FTZU/ExTR10.0025/01

Quality Assessment Report:

CZ/FTZU/QAR11.0003/03





IECEx Certificate of Conformity

Certificate No: IECEx FTZU 10.0025U

Issue No: 1

Date of Issue: 2018-11-23

Page 3 of 4

Schedule

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

The types ER *- T15; ERPE *- T15; ERD *; ER T*E; ER T3 ranges of rail mounted terminals consist of one layer (ER*-T15 and ERPE*-T15.), two layers (ERD * and ER T2E) and three layers (ER T3) of current bars. Feed-through terminal assemblies are mounted into moulded insulation housing from material polyamide 66. Each terminal assembly consists of an electroplated copper current bar with a sliding clamping yokes and screws. When the screw is tightened, the yoke is compressed against the current bar and serrations incorporated in the surface prevent slippage of the conductor. Screws tightened down cause the slight incurvation of clamping yoke, this is used to provide an automatic and progressive anti-rotation and anti-vibration locking effect. The terminal must be clipped onto a 35 mm assembly rail except for the type ER*-T15 and ERPE*-T15. This types are smaller than other types and must be clipped onto 15mm assembly rail.

For technical parameters see Annex to IECEx FTZU 10.0025U Issue 1

SCHEDULE OF LIMITATIONS:

Service temperature: Tserv = -60°C to +85°C





IECEx Certificate of Conformity

Certificate No: IECEx FTZU 10.0025U

Issue No: 1

Date of Issue: 2018-11-23

Page 4 of 4

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

Issue 1:

- 1) Evaluation according to the new edition of the standards IEC 60079-7:2015 and IEC 60079-0:2011.
- 2) Terminal blocks technical parameters have been modified. See Annex to IECEx FTZU 10.0025U Issue 1
- 3) The service temperature range of the terminal blocks has been changed: Tserv = from -60°C to +85°C.
- 4) Updated the Schedule of Limitations.
- 5) Manufacturer address has been changed.

Annex:

[Annex_to_Certificate_IECEx_FTZU_10_0025U_Issue_No_1.pdf](#)





Applicant: **IMO Precision Controls Ltd**

Address: **The Interchange, Frobisher Way
Hatfield, Hertfordshire, AL10 9TG
United Kingdom**

Ex component: **Range of rail mounted terminals types: ER *-T15; ERPE *-T15;
ERD *; ER T*E; ER T3**

Technical parameters:

Type of rail mounted terminals	Max. rated voltage [V]	Max. current in case of max cross-section [A]	Cross-section of conductors [mm ²] solid / stranded
ER 2,5-T15	400	20	0,5 + 2,5
ER 4-T15	400	28	0,5 + 4
ERD 2,5	400	19	0,5 + 2,5
ERD 4	400	26	0,5 + 4
ER T3	400	21	0,5 + 2,5
ER T2E	400	21	0,5 + 2,5
ER T3E	400	21	0,5 + 2,5

- The range also includes two sizes of earth terminals types: ERPE2,5-T15 and ERPE4-T15.
- Temperature rises in case of max. current and nominal cross section did not exceed 40K.
- Service temperature: T_{serv} = from -60°C to +85 °C

