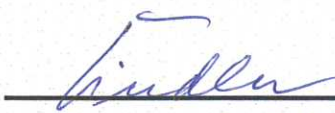




IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

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

Certificate No.:	IECEx FTZU 10.0024U	issue No.:0	Certificate history:
Status:	Current		
Date of Issue:	2011-02-24	Page 1 of 3	
Applicant:	IMO Precision Controls Ltd 1000 North Circular Road London NW2 7JP United Kingdom		
Electrical Apparatus: Optional accessory:	Range of rail mounted terminals types ER*; ER*P; ER4C; ERPE*; ERPE*P		
Type of Protection:	Increased safety		
Marking:	Ex e II Gb		
Approved for issue on behalf of the IECEx Certification Body:	Dipl. Ing. Jaroslav Šindler		
Position:	Head of the Certification Body		
Signature: (for printed version)			
Date:	2011-02-24		



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





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Manufacturer: **IMO Precision Controls Ltd**
1000 North Circular Road
London NW2 7JP
United Kingdom

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 : 2007-10 Explosive atmospheres - Part 0: Equipment - General requirements
Edition: 5

IEC 60079-7 : 2006-07 Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
Edition: 4

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:

[CZ/FTZU/ExTR10.0024/00](#)

Quality Assessment Report:

[CZ/FTZU/QAR11.0003/00](#)





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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The type ER*; ER*P; ER4C; ERPE*; ERPE*P range of rail mounted terminals consist of one layer current bar and allow to connect two conductors, except type ER 4C that allow to connect three conductors. 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 slight incurvation of clamping yoke, this is used to provide an automatic and progressive anti-rotation and anti-vibration locking effect. The terminals must be clipped onto a 35 mm assembly rail. Manual see Instruction sheet for DIN Rail Terminals dated 30.11.2010.

- The range also includes eight sizes of earth terminals, types ERPE 2.5/4, ERPE 6/10, ERPE 16/35, ERPE 50, ERPE 2.5P, ERPE 4P, ERPE 16P, ERPE35P.

- At earth terminals currents bars are electrically interconnected with rail.

- Temperature rises in case of max. current and max. cross section did not exceed 45K

Schedule of limitations:

Maximum service temperature is 85 °C.



CONDITIONS OF CERTIFICATION: NO



Rating data

Basic technical parameters:

Type designation 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	630	23	0,5 ÷ 2,5
ER 4	630	30,5	0,5 ÷ 4
ER 6	630	41	0,5 ÷ 6
ER 10	630	57	1,5 ÷ 10
ER 16	630	71	2,5 ÷ 16
ER 35	630	120	10 ÷ 35
ER 50	800	150	16 ÷ 50
ER 70	750	176	16 ÷ 70
ER 95	1000	217	35 ÷ 95
ER 150	1000	281	50 ÷ 150
ER 240	1000	380	70 ÷ 240
ER 2.5 P	630	23	0,5 ÷ 2,5
ER 4 P	630	29	0,5 ÷ 4
ER 16 P	630	76	1,5 ÷ 16
ER 35 P	630	125	1,5 ÷ 35
ER 4 C	630	29,5	0,5 ÷ 4

