

EU TYPE-EXAMINATION CERTIFICATE

1. **EU type-examination Certificate (Module B)**

2. **Equipment or Protective System intended for use in potentially explosive atmospheres (Directive 2014/34/EU)**



3. **EU type examination certificate Nr** **ITS17ATEX101155X R.1**

4. **Product:** Type 240 I/P Converter

5. **Manufacturer:** IMI International s.r.o

Applicant: IMI International s.r.o

6. **Address:** Evropská 862, 66442, Modřice, Czech Republic

Address: Evropská 852, 66442, Modřice, Czech Republic

7. This product and any acceptable variation thereto are specified in the schedule to this certificate and therein referred to.

8. INTERTEK ITALIA S.p.A., Notified Body n° 2575 in accordance with article 17 of the Directive 2014/34/EU of the European Parliament and Council of the 26 February 2014, certifies that the equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective system intended for use in potentially explosive atmosphere, given in Annex II of the Directive.

The examination and tests results are recorded in confidential technical evaluation Intertek Report Nr. 105904047CHE-001 dated 10th September 2024.

9. Compliance with the Essential Health and Safety Requirements has been assured by compliance with EN IEC 60079-0:2018, EN 60079-1:2014, EN 60079-11:2012 and EN 60079-31:2014 except in respect of those requirements referred to at item 16 of the Schedule.

10. If the sign X is placed after the certificate number, it indicates that the product is subject to Specific Conditions of Use specified in the schedule to this certificate.

11. This EU-Type Examination Certificate relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

12. The marking of the product shall include the following:



II 1 G Ex ia IIC T4 Ga
II 1 D Ex ia IIIC T95°C Da
T_{amb}: -40°C to +85°C



II 2 G Ex db IIC T5 Gb (T_{amb}: -40°C to +85°C)
II 2 G Ex db IIC T6 Gb (T_{amb}: -40°C to +70°C)
II 2 D Ex tb IIIC T95°C Db (T_{amb}: -40°C to +85°C)

Certificate issue date

11 September 2024

Richard Tunncliffe

Certification Officer
Intertek Italia S.p.A. (NB 2575)



PDR N° 277B

Membro degli Accordi di Mutuo Riconoscimento EA, IAF e ILAC

Signatory of EA, IAF and ILAC Mutual Recognition Agreements



This Certificate is for the exclusive use of Intertek's client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Certificate. Only the Client is authorized to permit copying or distribution of this Certificate and then only in its entirety. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek.

Intertek Italia S.p.A. Via Miglioli, 2/A - 20063 Cernusco sul Naviglio, Milano - Italy



SCHEDULE

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13. DESCRIPTION OF THE EQUIPMENT OR PROTECTIVE SYSTEM

The Type 240 Converter is an electronic pressure regulator, providing an output pressure that is proportional a control signal. It is intended for pneumatic applications.

The equipment is housed in a metallic enclosure and electrically comprises a single potted PCB and pilot coil module. The enclosure provides degree of protection of at least IP6X.

The equipment utilises the Flameproof, Dust ignition protection by enclosure or Intrinsic Safety concept of protection depending upon the installation method chosen.

When installed using Intrinsic Safety, the equipment must be supplied by a certified Intrinsically Safe Barrier or Galvanic Isolator.

The equipment has the following entity parameters:

Ui: 30V

Ii: 110mA

Pi: 0.84W

Ci: 6nF

Li: 4.8μH

Both internal and external earthing facilities are provided.

CE Marking shall be accompanied by the identification number of the Notified Body responsible for surveillance of production.

14. DRAWINGS AND DOCUMENTS

TITLE	DOCUMENT Nr	LEVEL	DATE
*Housing Certification Detail TYPE 240	2014-113	B	28.08.2024
*Lid Certification Drawing TYPE 240	2014-178	B	28.08.2024
*PCB LAYOUT TYPE 240 (19 Sheets)	2014-036	G	2024-09-02
*General Assembly Ex d Certification Drawing TYPE 240	2014-121	B	24.08.2024
*General Assembly (I.S. Certification) TYPE 240 (2 Sheets)	2014-120	B	28.08.2024
*I to P Converter Certification Schematic Type 240 (6 Sheets)	2014-153	B	2024-09-05
*Certification Detail Label (Manufacturing) Type 240	2014-156	B	24.08.2024
*Type 240-I&M	2014-196	b	15-01-2015

Note: An * is included before the title of documents that are new or revised.

Copies of the above listed documents are kept at Intertek Italia S.p.A. archive.



SCHEDULE

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15. SPECIFIC CONDITIONS OF USE

- The installer and user must take precautions to avoid accumulation of electrostatic charge on plastic parts. Refer to the manufacturer's instructions.
- When utilized in areas requiring EPL Ga, the risk of impact or abrasion on aluminium parts which could cause incendive sparks shall be avoided.
- When installed using the Intrinsic Safety method of protection and used in areas requiring EPL Da, Db or Dc:
 - The cable entry device shall comply with the requirements of EN IEC 60079-0.
 - The supply cable shall have a suitable temperature rating of 10K higher than the maximum ambient temperature in service, with 70°C as a minimum.
- When installed using the Flameproof or Dust ignition protection by enclosure methods of protection:
 - Use in an atmosphere containing carbon disulphide is prohibited.
 - The process medium shall be air or other inert gas.
 - The supply cable shall have a suitable temperature rating of 10K higher than the maximum ambient temperature in service, with 70°C as a minimum.
- Where EPL Db or Dc is required, the cable entry device shall comply with the requirements of EN IEC 60079-0 and maintain an IP rating of IP6X.

16. ESSENTIAL HEALTH AND SAFETY REQUIREMENTS

The relevant Essential Health and Safety Requirements have been identified and assessed in Intertek Report Nr. 105904047CHE-001 dated 10th September 2024.

17. ROUTINE (FACTORY) TESTS

None.

18. DETAIL OF CERTIFICATE CHANGES

R.0 (18th November 2019):

- Initial release by NB2575 (Intertek Italy) following the takeover from NB0359 (Intertek UK).

R.1 (11 September 2024):

- Update from EN 60079-0:2012+A11:2013 to EN IEC 60079-0:2018.
- Change of manufacturers name and address from Norgren Ltd, Cross Chancellor Street, Leeds, LS6 2RT, UK to IMI International s.r.o, Evropská 862, 66442, Modřice, Czech Republic.