

Translation

EU-Type Examination Certificate

Directive 2014/34/EU of the European Parliament and of the Council of 26 February 2014

EU-Type Examination Certificate Number: **BVS 08 ATEX E 117** Issue: **01**

Equipment: **Solenoid valve type 157***

Manufacturer: **IMI INTERNATIONAL s.r.o.**

Address: **Evropská 852, 664 42 Modřice, CZECH REPUBLIC**

This product and any acceptable variations thereto are specified in the appendix to this certificate and the documents referred to therein.

DEKRA Testing and Certification GmbH, Notified Body number 0158, 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 product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in the confidential Report No. BVS PP 08.2154 EU. This issue of the EU-Type Examination Certificate replaces the previous issue of the EC-Type Examination Certificate BVS 08 ATEX E 117 including supplement 1.

Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN IEC 60079-0:2018 General requirements
EN IEC 60079-7:2015 + A1:2018 Increased Safety "e"
EN 60079-18:2015+A1:2017 Encapsulation "m"

If the sign "X" is placed after the certificate number, it indicates that the product is subject to the "Specific Conditions of Use" listed under item 17 of this certificate.

This EU-Type Examination Certificate relates only to the technical design of the specified product in accordance to the Directive 2014/34/EU. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

The marking of the product shall include the following:

 **II 2G Ex eb mb IIC T4 Gb**

DEKRA Testing and Certification GmbH
Bochum, 2023-02-24

Signed: Dr. Rolf Krökel

Managing Director

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15 Product description

15.1 Subject and type

Solenoid valve type 157*

The asterisk in the type designation is replaced by numbers and indicates the different design variants.

15.2 Description

The solenoid valve type 157* consists of a tubular steel housing with a die-cast aluminium cover. The internal parts, consisting of coil, upper solenoid yoke (disc), as well as connection plate with wiring and terminals, are cast.

The coil is designed in type of protection increased safety "e", the terminals (separately certified PTB 03 ATEX 1117 U) also comply with increased safety.

The electrical connection is made via a separately certified cable entry in type of protection increased safety.

Reason for this issue

- Change to Directive 2014/34/EU
- Updating to the standards EN IEC 60079-0:2018, EN IEC 60079-7:2015+A1:2018 and EN 60079-18:2015+A1:2017
- Change of the manufacturer name to IMI INTERNATIONAL s.r.o.

15.3 Parameters

Type	Rated power	Rated voltage	Ambient temperature range	Temperature class
1570	39 W	DC 12...250 V	-20 °C...+40 °C	T4
1571	42 VA	UC 24 V AC 25...400 V		
1572	39 W	DC 12...125 V	-20 °C...+40 °C	
1573	42 VA	UC 24 V AC 25...238V		
1574	24 W	DC 12...250 V	-20 °C...+60 °C	
1575	26 VA	UC 24 V AC 25...400 V		
1576	24 W	DC 12...125 V	-20 °C...+60 °C	
1577	26 VA	UC 24 V AC 25...238V		

Maximum temperature at the wire connection / cable and line entry +95 °C

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17 **Specific Conditions of Use**

None

18 **Essential Health and Safety Requirements**

Met by compliance with the requirements mentioned in item 9.

19 **Remarks and additional information**

Drawings and documents are listed in the confidential report.

We confirm the correctness of the translation from the German original.
In the case of arbitration only the German wording shall be valid and binding.

DEKRA Testing and Certification GmbH
Bochum, 2023-02-24
BVS-Pz/MGR A 20220680 / 3428038



Managing Director