



(1) **EU-TYPE EXAMINATION CERTIFICATE**
(Translation)

(2) Equipment or Protective Systems Intended for Use in
Potentially Explosive Atmospheres - **Directive 2014/34/EU**

(3) EU-Type Examination Certificate Number:

PTB 07 ATEX 2019

Issue: 1

(4) Product: Control electro-magnets for solenoid valves, types 205*

(5) Manufacturer: IMI International s.r.o.

(6) Address: Evropská 852, 664 42 Modrice, Czech Republic

(7) This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(8) The Physikalisch-Technische Bundesanstalt, notified body No. 0102 in accordance with Article 17 of the 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 Test Report PTB Ex 22-22179.

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

EN IEC 60079-0:2018, EN 60079-11:2012

(10) If the sign "X" is placed after the certificate number, it indicates that the product is subject to the 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 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.

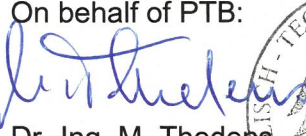
(12) The marking of the product shall include the following:

 **II 2 G Ex ia IIC T6...T4 Gb and**
II 2 D Ex ia IIIC T80 °C ... T100 °C Db

Konformitätsbewertungsstelle, Sektor Explosionsschutz

Braunschweig, December 20, 2022

On behalf of PTB:


Dr.-Ing. M. Thedens
Regierungsdirektor



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EU-Type Examination Certificates without signature and official stamp shall not be valid. The certificates may be circulated only without alteration. Extracts or alterations are subject to approval by the Physikalisch-Technische Bundesanstalt. In case of dispute, the German text shall prevail.

(13)





SCHEDULE

(14) **EU-Type Examination Certificate Number PTB 07 ATEX 2019, Issue: 1**

(15) Description of Product

The control electro-magnets for solenoid valves of types 205* are used for the actuation of solenoid valves in potentially explosive atmospheres.

The marking of the control electro-magnets for solenoid valves depends on the ambient temperature range as follows:

Marking	Ambient temperature range
 II 2 G Ex ia IIC T6 Gb  II 2 G Ex ia IIIC T80 °C Db	-40 ... 60 °C
 II 2 G Ex ia IIC T4 Gb  II 2 G Ex ia IIIC T100 °C Db	-40 ... 80 °C

Electrical data

Supply

Type of protection Intrinsic Safety Ex ia IIC or Ex ia IIIC
 Only for connection to a certified intrinsically safe circuit

Maximum values:

$$\begin{aligned}
 U_i &= 45 \text{ V} \\
 I_i &= 500 \text{ mA} \\
 P_i &= 2 \text{ W}
 \end{aligned}$$

The internal inductances and capacitances are negligibly low.

Changes with respect to previous editions

- Change of the manufacturer
- Revision of the type label
- Revision of the operating instructions manual
- Revision of the manufacturer documentation

SCHEDULE TO EU-TYPE EXAMINATION CERTIFICATE PTB 07 ATEX 2019, Issue: 1

(16) Test Report PTB Ex 22-22179

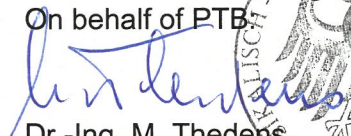
(17) Specific conditions of use
none

(18) Essential health and safety requirements
Met by compliance with the aforementioned standards.

According to Article 41 of Directive 2014/34/EU, EC-type examination certificates which have been issued according to Directive 94/9/EC prior to the date of coming into force of Directive 2014/34/EU (April 20, 2016) may be considered as if they were issued already in compliance with Directive 2014/34/EU. By permission of the European Commission supplements to such EC-type examination certificates and new issues of such certificates may continue to hold the original certificate number issued before April 20, 2016.

Konformitätsbewertungsstelle, Sektor Explosionsschutz
On behalf of PTB:

Braunschweig, December 20, 2022


Dr.-Ing. M. Thedens
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