

[1]

EU-TYPE EXAMINATION CERTIFICATE

[2]

**Equipment intended for use in potentially explosive atmospheres
Directive 2014/34/EU – Annex III**

[3]

Certificate Number: **EPT 17 ATEX 2705 X** issue 0

[4]

Equipment: **SOLDO™ Proximity switch BM**

[5]

Manufacturer: **ROTORK INSTRUMENTS ITALY S.R.L.**

[6]

Address: **Via Portico 17 - 24050 Orio al Serio (BG) - Italy**

[7]

This equipment and its accepted variations are specified in the annex to this Certificate.

[8]

Eurofins Product Testing Italy S.r.l., Notified Body n. 0477 in accordance with Article 21 of the Directive 2014/34/EU of the European Parliament and of the Council of 26th February 2014, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment intended for use in potentially explosive atmospheres given in Annex II of the Directive.

The examination and test results are recorded in the confidential Report N°EPT.17.REL.01/54277

[9]

Compliance with the essential health and safety is assured through the verification of them and by compliance with the standard:

EN 60079-0:2012+A11:2013, EN 60079-11:2012

[10]


If the sign "X" is placed after the Certificate number, it indicates that the equipment is subject to the special conditions for safe use specified in the annex to this Certificate.

[11]

This EU -TYPE EXAMINATION CERTIFICATE relates only to the design, the exam and the tests of the specified equipment.

Further requirements of the Directive 2014/34/EU apply to the manufacture and supply of this equipment. These requirements are not object of this Certificate.

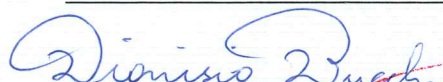
[12]


The equipment shall include the sign  and one of the following strings:

II 1 GD**Ex ia IIC T4 Ga****Ex ia IIIC T135°C Da****-40°C ≤ Ta ≤ +105°C**

Place and date of issue:

Torino, 2017-09-19


Dionisio Bucchieri
Directive Responsible


Paolo Trisoglio
Managing Director

**SGQ N° 133A
PRD N° 119B**

Membro degli Accordi di Mutuo Riconoscimento EA, IAF e ILAC
Signatory of EA, IAF and ILAC Mutual Recognition Agreements

This Certificate has 3 pages and it is reproducible only in its entirety. Conditions of validity are reported below.



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ANNEX

[14]

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issue 0

**[15] Equipment description**

The proximity switches BM series are sensors suitable for any industrial field where is necessary to take over the position of a magnetic or ferrous target.

BM proximity switches can include a reed detector for magnetic target or electromechanical switch used to detect ferrous target.

Both types have a body made of stainless steel material and are provided pre-wired.

The internal earth connection is given by one Y/G cable and the external one is guaranteed by mounting the equipment on metallic structure. The equipment can be connected to other devices through the cable entry complying with M20x1.5 or NPT thread.

The equipment can be used in presence of potential explosive atmosphere belonging to gas group IIC in zone 0 or dust group IIIC in zone 20 and have to be powered up by an intrinsic safety barrier.

The equipment is designed for an operating temperature range of: $-40^{\circ}\text{C} \div +105^{\circ}\text{C}$.

Safety electrical parameters:

Ui : 30 V, Ii : 100 mA, Pi :530 mW, Ci \approx 0 uF, Li \approx 0 uH

Warning label

None.

Routine tests

None.

[16] Assessment Report n°EPT.17.REL.01/54277

This EC-Type Examination Certificate is released after the positive result of the conformity assessment of the Council Directive 2014/34/EU and to harmonized technical standards listed in this certificate performed by the Notified Body Eurofins Product Testing Italy S.r.l., and reported in the Assessment Report above cited.

[17] Special condition for a safe use

The proximity switch can be powered up only by a single channel certified intrinsic safety barrier

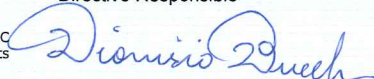
[18] Essential Health and Safety Requirements

Assured by compliance with harmonized standards.

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[14]

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[19] Descriptive documents

The equipment objects of this Certificate are described by the following documents. Scheduled documents are indicated with the symbol "✓". They cannot be modified without the explicit authorization of the Notified Body.

Type of document	Document identification	Rev.	Date	Scheduled
Technical Note	Technical file BM-BF Ex ia-170626_rev00	0	2017/06/26	✓
Mechanical drawings	A05	0	2017/06/26	✓
Instruction Manual	A07 IOM	0	2017/09	✓

[20] Terms and conditions

The product liability rests with the Manufacturer, his representative or, in the absence of a representative, with the importer, in accordance with the General Product Safety Directive 2001/95/EC.

The following conditions may render this certificate invalid:

- changes in the design or construction of the product;
- changes or amendments to the Directive;
- changes or amendments in the standards which form the basis for documenting compliance with the essential requirements of the 2014/34/EU Directive.

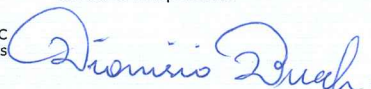
[21] History

This certificate is at its first issue.


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End of Certificate