



# 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](http://www.iecex.com)

Certificate No.: IECEx EPS 13.0037X Issue No: 0 Certificate history:  
Issue No. 0 (2013-12-09)

Status: Current Page 1 of 3

Date of Issue: 2013-12-09

Applicant: COELBO S.r.l.  
V. Santa Margherita, 83  
20861 Brugherio (MB)  
Italy

Electrical Apparatus: Magnetic proximity switch series IM  
*Optional accessory:*

Type of Protection: "d", "tb"

Marking: Ex d IIC T6/T5 Gb  
Ex tb IIIC T85°C/T100°C Db IP66

Approved for issue on behalf of the IECEx  
Certification Body:

Dieter Zitzmann

Position:

Certification officer

Signature:  
(for printed version)

Date:

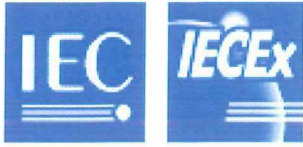


1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

Bureau Veritas Consumer Products Services Germany GmbH  
Businesspark A96  
86842 Türkheim  
Germany





# IECEX Certificate of Conformity

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Manufacturer: COELBO S.r.l.  
V. Santa Margherita, 83  
20861 Brugherio (MB)  
Italy

Additional 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 : 2011 Edition:6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-1 : 2007-04 Edition:6	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
IEC 60079-31 : 2008 Edition:1	Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure 't'

*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:

[DE/EPS/ExTR13.0039/00](#)

Quality Assessment Report:

[IT/CES/QAR10.0009/03](#)



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## Schedule

### EQUIPMENT:

*Equipment and systems covered by this certificate are as follows:*

Proximity switch contact is situated inside Ex-d housing. Connection is made by certified cable gland or by certified terminal box connected via sealed conduit.

### CONDITIONS OF CERTIFICATION: YES as shown below:

For external connection of IM switch only certified Ex d cable gland or conduit entries plus terminal box shall be used. Special conditions of these components must be respected.

For permanent cable connection a suitable cable must be used concerning mechanical strength and temperature requirements. The loose leads of the cable must be installed either outside hazardous location or protected by type of protection according to IEC 60079-0

Ambient temperature range:  
-50°C to + 60°C for T6/T85°C  
-50°C to + 80°C for T5/T100°C