



# 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 EXA 18.0004X

Issue No: 0

Certificate history:

Issue No. 0 (2018-06-21)

Status: **Current**

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Date of Issue: **2018-06-21**

Applicant: **Officine Orobiche S.p.A.**  
Via Serena, 10 - 24010 Ponteranica (BG)  
Italy

Equipment: **Magnetic Switch, type: T25 XD2**

Optional accessory:

Type of Protection: **Flameproof enclosure 'db', Protection by enclosure 'tb'**

Marking:

**Ex db IIC T6 Gb**

**Ex tb IIC T85°C Db**

Approved for issue on behalf of the IECEx  
Certification Body:

Damir Korunić

Position:

Director General

Signature:  
(for printed version)

Date:



*Damir Korunić*

*2018-06-21*

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://Official IECEx Website).

Certificate issued by:

**Agencija za prostore ugrožene eksplozivnom atmosferom (Ex-  
Agencija)**  
Industrijska 25  
HR-10431 Sveta Nedelja  
Croatia





# IECEx Certificate of Conformity

Certificate No: IECEx EXA 18.0004X Issue No: 0

Date of Issue: 2018-06-21 Page 2 of 3

Manufacturer: **Officine Orobiche S.p.A.**  
Via Serena, 10 - 24010 Ponteranica (BG)  
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 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:

<b>IEC 60079-0 : 2011</b> Edition:6.0	Explosive atmospheres - Part 0: General requirements
<b>IEC 60079-1 : 2014-06</b> Edition:7.0	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
<b>IEC 60079-31 : 2013</b> Edition:2	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:

[HR/EXA/ExTR18.0006/00](#)

Quality Assessment Report:

[IT/CES/QAR16.0002/02](#)



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## Schedule

### EQUIPMENT:

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

Magnetic switch type T25 XD2 is an equipment intended for detection of liquid thresholds in tanks. The working principle of the device is based on interaction between a reed switch contained in the enclosure and a float, with a permanent magnet inside, that floats in the process fluid inside a bypass pipe connected to the tank. The measure is performed by commutation of the reed switch. Reed switch contact is a bistable SPDT contact.

The enclosure is an explosion proof, die cast aluminum, Limatherm Mod. XD-JB85 (Certificate IECEx FTZU 09.0028U) with silicone VMQ rubber gasket (-40°C / 150°C). A circle plate bracket allows fastening the magnetic switch to the bypass pipe using stainless steel bands.

Openings in the enclosure, tread M20x1,5, 1/2" NPT-F or 3/4" NPT-F, should be equipped with appropriate certified plugs or cable glands provided that the following minimum requirements are satisfied: Ex db IIC Gb / Ex tb IIIC Db

Rated Voltage: 230 Vac / 200 Vdc

Rated Current: 1A/0.5A

Max process fluid temperature: 250 °C

### SPECIFIC CONDITIONS OF USE: YES as shown below:

1. Ambient temperature range of equipment is -40°C up to +70°C.
2. For information on the dimensions of the threaded flameproof joints the manufacturer shall be contacted.