



(1) **EC-Type Examination Certificate**

- (2) Equipment and protective systems intended for use in potentially explosive atmospheres, **Directive 94/9/EC**

(3) **Certificate Number** TÜV 11 ATEX 077782 X

(4) for the component: Magnetic Level Indicator Type IEXD-..

(5) of the manufacturer: **F.Ili Giacomello
di Giacomello Orlando, Bruno & C. s.n.c.**

(6) Address: Via Magenta , 77 Cap. 15/A
20017 RHO (Mi)
Italy

Order number: 8000392270

Date of issue: 2011-02-10

- (7) This component of an equipment or protective system and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.
- (8) The TÜV NORD CERT GmbH, notified body No. 0044 in accordance with Article 9 of the Council Directive of the EC of March 23, 1994 (94/9/EC), certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems 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. 11203077782.
- (9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN 60079-0:2006 EN 60079-1:2007 EN 60079-26:2007
- (10) If the sign "U" is placed after the certificate number, it indicates that this certificate must not be confounded with an EC-Type Examination Certificate which is destined for an equipment or protective system. This partial certificate must only be used as a basis for an EC-Type Examination Certificate.
- (11) This EC-type examination certificate relates only to the design, examination and tests of the specified equipment in accordance to the Directive 94/9/EC. Further requirements of the Directive apply to the manufacturing process and supply of this equipment. These are not covered by this certificate.
- (12) The marking of the component must include the following:

 **II 1/2 G Ex d IIC T6**

TÜV NORD CERT GmbH, Langemarckstraße 20, 45141 Essen, accredited by the central office of the countries for safety engineering (ZLS), Ident. Nr. 0044, legal successor of the TÜV NORD CERT GmbH & Co. KG Ident. Nr. 0032

The head of the certification body


Schwedt

Hanover office, Am TÜV 1, 30519 Hanover, Fon +49 (0)511 986 1455, Fax +49 (0)511 986 1590

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(13) SCHEDULE

(14) EC-Type Examination Certificate No. TÜV 11 ATEX 077782 X

(15) Description of component

The magnetic level indicator type IEXD-.. serves for measuring the level of a fluid inside a container. The principle of functioning is based on interaction between the magnet on the floater and the reed contacts inside the enclosure.

The system is designed to operate between zone 0 and zone 1.

It is designed with two different type of Ex d enclosure, Dynamin and Cortem.

The difference is related to the ambient temperature at the device can operate, Dynamin between -40 °C up to +80 °C, Cortem between -20 °C up to + 40 °C.

Type key

IEXD	..		
		Cortem enclosure	SL
		Dynamin enclosure	SD
		Flameproof level indicator	

Technical data

Permitted range of the ambient temperature	
Cortem enclosure SL-16.1	- 20 °C to +40 °C
Dynamin enclosure type SDB14	- 40 °C to +80 °C

Electrical data SPST Switch	
Max Switching voltage AC/DC	230/230V
Max Switching current AC/DC	1.3/1.3A

Electrical data SPDT Switch	
Max Switching voltage AC/DC	150/150V
Max Switching current AC/DC	1/1A

(16) Test documents are listed in the test report No. 11203077782.

(17) Special conditions for safe use

- The length of the pipe of the level indicator must be between 100 mm and 2000 mm.
- The switch has to be involved by the installation into protecting earthing.
- The user has to read the safety instructions who are involved in the instruction manual.

(18) Essential Health and Safety Requirements

no additional ones