



Italia

CERTIFICATE

[1] **EU-TYPE EXAMINATION CERTIFICATE**

[2] **Equipment or Protective System intended for use
in potentially explosive atmospheres
Directive 2014/34/EU**

[3] EU-Type Examination Certificate number:

TÜV IT 16 ATEX 053 X

[4] Equipment or Protective System: Position transducer model ETHA-15

[5] Manufacturer: ATOS S.p.a.

[6] Address: Via alla Piana, 57
I-21018 Sesto Calende (VA) - Italy

[7] This equipment or protective system and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

[8] TÜV Italia, notified body no. 0948 in accordance with Article 17 of 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 confidential report no. R 16 EX 040

[9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN 60079-0:2012/A11:2013; EN 60079-1:2014; EN 60079-31:2014

[10] If the sign "X" is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe 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. 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 2G Ex db IIC T6 Gb
II 2D Ex tb IIIC T85°C Db
I M2 Ex db I Mb

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Issue date: 16th December 2016



SGQ N° 049A SSI N° 005G PRD N° 081B
SGAN N° 018D ITX N° 001L ISP N° 057E
SCR N° 009F PRS N° 077C LAB N° 0076

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



TÜV Italia S.r.l.
Notified Body N° 0948

Paolo Marcone
Paolo Marcone

**Industry Service / Real Estate & Infrastructure
Managing Director**

TÜV Italia has been authorized by Italian government to operate as notified body for the certification of equipment or protective system intended for use in potentially explosive atmospheres. This document is not valid without official signature and logo.
The internal reference code is 722113655.



Italia

[13]

SCHEDULE

[14]

EU-TYPE EXAMINATION CERTIFICATE no. TÜV IT 16 ATEX 053 X

Certificate History

Revision	Description	Report Revision	Issue Date
-	First emission	-	16/12 /2016

[15] **Description of equipment**

The inductive position transducers type ETHA-15 are used for detect a position of the spool of directional or flow control proportional valves.

Rated characteristics

Enclosure material	Steel
Ambient temperature	-40°C... +40°C / +70°C (for category 2G and 2D) -20°C... +40°C / +70°C (for category M2)
Protection degree	IP66 / IP67
Supply voltage	± 15 VDC stabilized
Output voltage	± 10 VDC
Max current consumption	20 mA
Max power consumption	< 1 W
Mechanical stroke	± 15 mm
Resolution	0.66 V/mm

Warning label

WARNING – DON'T OPEN WHEN ENERGIZED

Only for devices with ambient temperature up to 70°C: "To be energized with cable suitable for temperature 90°C"

[16] **Report no. R 16 EX 040**

Routine tests

Routine pressure test according to EN60079-1 shall be performed on the transducer tube with pressure not less than 18 bar for at least 10 seconds.

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Italia

SCHEDULE

[13]

[14]

EU-TYPE EXAMINATION CERTIFICATE no. TÜV IT 16 ATEX 053 X

[17] **Special conditions for safe use**

- The device intended for use with ambient temperature up to 70°C shall be feed with cable of thermal stability not less of 90°C

[18] **Essential Health and Safety Requirements**

Assured by compliance with the standards set out in the [9].

[19] **Drawings and Documents (prot. 722113655)**

Title:	Description:	Pages:	Rev:	Date:
SAS-566-D-0	Technical file ETHA-15 ATEX	3	0	26/10/2015
15-ETHA-100000-EN	Drawing: position transducer	1	1	19/10/2015
15-ETHA-100050	Drawing: nameplate	1	3	28/11/2016
AD-04562107-000	Drawing: pressure tube	1	B	20/01/2014
TT347/0	Declaration of conformity (fac simile)	1	n.a.	26/10/2015
TT349-0	Safety instructions	4	n.a.	26/10/2015

One copy of all documents is kept in TÜV Italia files.

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