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

Certificate No.: IECEx ZLM 10.0002

Issue No: 4

Certificate history:
Issue No. 4 (2018-04-17)
Issue No. 3 (2012-08-07)
Issue No. 2 (2012-01-13)
Issue No. 1 (2011-03-09)
Issue No. 0 (2010-11-01)

Status: **Current**

Date of Issue: **2018-04-17**

Applicant: **ABB Automation Products GmbH**
Schillerstrasse 72
D-32425 Minden
Germany

Equipment: **Pressure Transmitter Series 2600T Type 261 ...**

Optional accessory: *Ordering option ER or ES*

Type of Protection: **Intrinsic Safety, Non-Sparking, dust ignition protection by enclosure**

Marking:

Ex ia IIC T6 resp. T4 Ga/Gb
Ex ia III C T66°C resp. T95°C Da/Db
Ex nA IIC T6 resp. T4 Gc
Ex tb III C T66°C resp. T95°C Db

Approved for issue on behalf of the IECEx Certification Body: Tanja Rottach

Position: Member of Certification department

Signature:
(for printed version)

Date: 17.04.2018

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.

Certificate issued by:

Primara Test und Zertifizier GmbH
Gewerbestraße 28
D-87600 Kaufbeuren
Germany

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Manufacturer:

ABB Automation Products GmbH
Schillerstrasse 72
D-32425 Minden
Germany

Additional Manufacturing location(s):

ABB Engineering (Shanghai) Ltd.
No.5, Lane 369, Chuangye Road
Kangqiao Town, Pudong New District
Shanghai, 201319
China

ABB S.p.A.
via L. Vaccani 4
I-22016 Tremezzina - Loc. Ossuccio (Como)
Italy

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:

IEC 60079-0 : 2011 Edition:6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-11 : 2011 Edition:6.0	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
IEC 60079-15 : 2010 Edition:4	Explosive atmospheres - Part 15: Equipment protection by type of protection "n"
IEC 60079-26 : 2006 Edition:2	Explosive atmospheres - Part 26: Equipment with equipment protection level (EPL) Ga
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/ZLM/ExTR10.0002/02

Quality Assessment Report:

DE/TUN/QAR06.0012/01 GB/FME/QAR10.0007/00 IT/CES/QAR07.0001/11

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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The Pressure Transmitter Series 2600T Type 261.. is indented for conversion of the physical quantities pressure and differential pressure into an analogous electrical standard signal of a 4 ... 20 mA current loop inside the hazardous area.

The Pressure Transmitter Series 2600T Type 261 can be mounted at the boundary wall between hazardous areas, which require EPL Ga or Da and a less hazardous area. Therefore the pressure transmitter must be supplied by intrinsic safe circuit with level of protection "ia". The use of the pressure transmitter at the boundary wall to EPL Ga or Da is only permitted if the ambient conditions are within the standard values (T_{amb} = -20°C up to 60°C, p_{amb} = 0.8 bar up to 1.1 bar).

Depending on the measurement range and the amount of pressure appropriate capacitive or piezoresistive sensors are used.

The operating conditions for service with flammable measuring mixtures – which are non-explosive - and higher pressures are to be taken from the instruction manual and operation manual respectively.

The ordering option "..ER.." describes the equipment which shall be used only in gas explosive atmospheres. The ordering option "..ES.." describes the equipment which can be used in gas explosive atmospheres or dust explosive atmospheres.

SPECIFIC CONDITIONS OF USE: NO

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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

Add an Additional Manufacturing location and QAR

Annex:

IECExZLM100002-Annex.pdf