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.: 0	Certificate history:
Status:	**Current**	
Date of Issue	**2010-11-01**	Page 1 of 3

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

Electrical Apparatus: **Pressure Transmitter Series 2600T Type 261 ...**
Optional accesory: Ordering option EH or EL

Type of Protection: **Intrinsically Safe, Non-Sparking, dust ignition protection by enclosure**

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

Approved for issue on behalf of the IECEx Certification Body: Dipl.-Ing. Harald Zelm

Position: Head of Certification Body

Signature:
(for printed version)

Date: 2010 - 11 - 01

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains 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:
ZELM Explosionsschutz GmbH
Siekgraben 56
D-38124 Braunschweig

ZELMex

IECEx Certificate of Conformity

Certificate No.: IECEx ZLM 10.0002

Date of Issue: **2010-11-01** Issue No.: 0

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

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

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 : 2007-10 Explosive atmospheres - Part 0:Equipment - General requirements
Edition: 5

IEC 60079-11 : 2006 Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition: 6

IEC 60079-15 : 2010 Explosive atmospheres - Part 15: Equipment protection by type of protection "n"
Edition: 4

IEC 60079-26 : 2006 Explosive atmospheres - Part 26: Equipment with equipment protection level (EPL) Ga
Edition: 2

IEC 60079-31 : 2008 Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure 't'
Edition: 1

IEC 61241-11 : 2005 Electrical apparatus for use in the pressence of combustible dusts - Part 11: Protection by
Edition: 1

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/ExTR10.0002/00

Quality Assessment Report:
DE/TUN/QAR06.0012/01
NL/KEM/QAR09.0030/01

IECEx Certificate of Conformity

Certificate No.: IECEx ZLM 10.0002

Date of Issue **2010-11-01** Issue No.: 0

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 (Tamb = -20°C up to 60°C, pamb = 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 "..EH.." describes the equipment which shall be used only in gas explosive atmospheres. The ordering option "..EL.." describes the equipment which can be used in gas explosive atmospheres or dust explosive atmospheres.

CONDITIONS OF CERTIFICATION: NO

Annexe: IECExZLM100002-Annex.pdf

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

IEC Certification Scheme for Explosive Atmospheres

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Certificate No.:	IECEx ZLM 10.0002 issue No.: 1	Certificate history: Issue No. 1 (2011-3-9) Issue No. 0 (2010-11-1)
Status:	**Current**	
Date of Issue	**2011-03-09** Page 1 of 4	

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

Electrical Apparatus: **Pressure Transmitter Series 2600T Type 261 ...**
Optional accesory: Ordering option ER or ES

Type of Protection: **Intrinsically Safe, Non-Sparking, dust ignition protection by enclosure**

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

Approved for issue on behalf of the IECEx Certification Body: Dipl.-Ing. Harald Zelm

Position: Head of Certification Body

Signature: (for printed version)

Date: 2011-03-09

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ZELM Explosionsschutz GmbH
Siekgraben 56
D-38124 Braunschweig

ZELMex

IECEx Certificate of Conformity

Certificate No.: IECEx ZLM 10.0002

Date of Issue: 2011-03-09 Issue No.: 1

Manufacturer
ABB Automation Products GmbH
Schillerstrasse 72
D-32425 Minden
Germany

Manufacturing location(s):
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No.5, Lane 369, Chuangye Road
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IEC 60079-26 : 2006 Explosive atmospheres - Part 26: Equipment with equipment protection level (EPL) Ga
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TEST & ASSESSMENT REPORTS:
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Test Report:

DE/ZLM/ExTR10.0002/01

Quality Assessment Report:
DE/TUN/QAR06.0012/01
NL/KEM/QAR09.0030/01

IECEx Certificate of Conformity

Certificate No.: **IECEx ZLM 10.0002**

Date of Issue **2011-03-09** Issue No.: **1**

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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.
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CONDITIONS OF CERTIFICATION: NO

IECEx Certificate of Conformity

Certificate No.: IECEx ZLM 10.0002

Date of Issue: 2011-03-09 Issue No.: 1

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

The ordering option will be changed from EH or EL to ER or ES. No other changes have been made.

Annexe: IECExZLM100002-Annex.pdf