



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 PTB 18.0041X issue No.: 0 Certificate history:

Status: **Current**

Date of Issue: **2018-08-15** Page 1 of 3

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

Equipment: **Surface mounting temperature sensor, type SensyTemp TSP341-N**

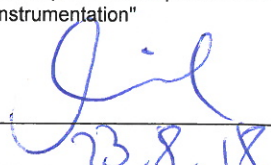
Optional accessory:

Type of Protection: **intrinsic safety**

Marking: **Ex ia IIC T6...T1 Ga or Ex ib IIC T6...T1 Gb**

Approved for issue on behalf of the IECEx
Certification Body: Dr. Ing. F. Lienesch

Position: Head of department "Explosion Protection in Sensor Technology
and Instrumentation"

Signature:
(for printed version) 

Date: 23.8.18

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://www.iecex.com).

Certificate issued by:

Physikalisch-Technische Bundesanstalt (PTB)
Bundesallee 100
38116 Braunschweig
Germany





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

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:

IEC 60079-0 : 2011 Explosive atmospheres - Part 0: General requirements
Edition: 6.0

IEC 60079-11 : 2011 Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "I"
Edition: 6.0

*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/PTB/ExTR18.0041/00](#)

Quality Assessment Report:

[DE/TUN/QAR06.0012/04](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows

The surface-mounting temperature sensor, type SynsyTemp TSP341-N is used for the determination of the medium temperature by measuring the surface temperatures on e.g. pipings or vessels containing the medium. It consists of an enclosure made of aluminum or stainless steel and it can be provided alternatively with or without a display.

The measured temperature values are available as a 4 mA ... 20 mA current signal and as a signal according to the HART-protocoll.

The temperature sensor is supplied from a circuit certified in type of protection Intrinsic Safety Ex ia or Ex ib.

The device can be operated as category 1 equipment (EPL Ga) or as category 2-equipment (EPL Gb).

For details refer to attachment below...

SPECIFIC CONDITIONS OF USE: YES as shown below:

If the variants provided with an aluminum enclosure are operated in areas where equipment protection level EPL Ga is required, they shall be installed in a way that they are protected against mechanical stress due to impact or friction.

The equipment shall be included in the equipotential bonding system using the terminal intended for this purpose.

Annex: [COCA180041-00.pdf](#)