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 13.0053	issue No.:0	Certificate history:
Status:	Current		
Date of Issue:	2014-02-17	Page 1 of 3	

Applicant: **Schischek GmbH**
Mühlsteig 45
90579 Langenzenn
Germany

Electrical Apparatus: **Explosion protected thermal release, type ExPro-TT-..**
Optional accessory:

Type of Protection: **Intrinsic Safety, Dust ignition protection by enclosure**

Marking: Ex ia IIC T6 Gb or Ex ia IIIC T6 Db or Ex tb IIIC T80 °C Db IP66

Approved for issue on behalf of the IECEx Certification Body: Dr.-Ing. U. Johannsmeyer

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

Signature:
(for printed version)

Date: 2014-02-24

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:

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

IECEx Certificate of Conformity

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Date of Issue: **2014-02-17** Issue No.: **0**

Manufacturer: **Schischek GmbH**
Mühlsteig 45
90579 Langenzenn
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 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 Edition: 5	Explosive atmospheres - Part 0:Equipment - General requirements
IEC 60079-11 : 2011 Edition: 6.0	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
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/PTB/ExTR13.0071/00

Quality Assessment Report:

DE/BVS/QAR07.0009/06

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Schedule

EQUIPMENT:
Equipment and systems covered by this certificate are as follows:

The explosion protected thermal release, type ExPro-**TT**-.. is used for the control of limit temperature ranges and for signal transmission.
The equipment may be installed inside of hazardous locations.
For further Information see schedule.

CONDITIONS OF CERTIFICATION: NO

Annex: C130053_00_schedule.pdf

The explosion protected thermal release, type ExPro-TT-.. is used for the control of limit temperature ranges and for signal transmission.

The equipment is installed inside of hazardous locations.

For relationship between temperature class and maximum permissible ambient / medium temperature range, reference is made to the table:

Temperature class	Maximum permissible ambient / medium temperature range
T6	-40 °C ... 72 °C
T5	-40 °C ... 87 °C
T4	-40 °C ... 102 °C

Electrical data

Voltage supply (terminals 1,2) ..... type of protection Intrinsic Safety Ex ia IIC or Ex ia IIIC only for connection to a certified intrinsically safe circuit

Maximum values:

U_i = 30 V
I_i = 22 mA
P_i = 60 mW

L_i negligibly low
C_i negligibly low

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