



# 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](http://www.iecex.com)

Certificate No.: **IECEx PTB 12.0010** issue No.:0 Certificate history: .....

Status: **Current**

Date of Issue: **2012-03-19** Page 1 of 5

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

Electrical Apparatus: **Terminal Box type \*\*Box-\*\*\*\***  
*Optional accessory:*

Type of Protection: **Increased Safety "e", Protection by Enclosure "tb"**

Marking: **Ex e IIC T6, T5, T4 Gb**  
**Ex tb IIIC T85 °C, T100 °C, T135 °C Db**

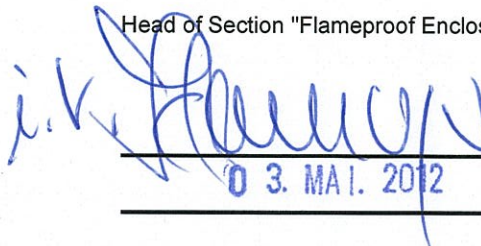
*Approved for issue on behalf of the IECEx  
Certification Body:*

Dr.-Ing. Martin Thedens

*Position:*

Head of Section "Flameproof Enclosures"

*Signature:  
(for printed version)*

  
03. MAI. 2012

*Date:*

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





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

**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:

<b>IEC 60079-0 : 2011</b> Edition: 6.0	Explosive atmospheres - Part 0: General requirements
<b>IEC 60079-31 : 2008</b> Edition: 1	Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure 't'
<b>IEC 60079-7 : 2006-07</b> Edition: 4	Explosive atmospheres - Part 7: Equipment protection by increased safety "e"

*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/ExTR12.0012/00

Quality Assessment Report:

DE/BVS/QAR07.0009/04



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## Schedule

### EQUIPMENT:

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

#### Description

The terminal box type \*\* Box-\*\*\*\* consists of – separately certified – empty enclosures of Increased Safety "e" type of protection, which are made from aluminium and are designed as stationary units.

The terminal box is equipped with terminals for circuits in the type of protection Increased Safety "e".

Connection is from outside by means of separately certified cable entries.

### CONDITIONS OF CERTIFICATION: NO





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## EQUIPMENT(continued):

### Technical data

Size:	125 mm x 80 mm x 58 mm
Rated voltage:*	up to 275 V
Rated current:*	max. 10 A
Rated wire range:*	max. 4 mm <sup>2</sup>
Protective conductor section:*	max. 10 mm <sup>2</sup>
*) depending on type of terminal and Ex-type components used	
Degree of protection	IP66 in compliance with EN 60529
Ambient temperature	-55 °C to +135 °C, depending on the gasket

Rated values are maximum values, the actual electrical values are determined by mounted electrical apparatus. Within these limiting values complying with the appropriate standards the manufacturer specifies the final limiting values dependent on power supply specifications, operating mode, utilization category, etc. Any additional technical features are specified in the test documents.

The maximum permissible ambient temperatures of the terminal box may be limited by the maximum permissible ambient temperatures of the gaskets and the eparately certified equipment.

### Notes for manufacturing and operation

The terminal box with a coating must not be used in areas affected by charge-producing processes, mechanical friction and separation processes, electron emission (e.g. in the vicinity of electrostatic coating equipment), and pneumatically conveyed dust.



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## Additional information:

### Nomenclature

**	Box-	****
1	2	3

- 1) Type, part 1
- 2) Type, part 2  
e.g. ExBox, RedBox
- 3) Variants  
e.g. 3P = 5 terminals  
Y/S = with 11 terminals  
BF = 11 terminals

