



# 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 08.0003U** issue No.:2

Status: **Current**

Date of Issue: **2009-08-17**

Page 1 of 5

Certificate history:

[Issue No. 2 \(2009-8-17\)](#)

[Issue No. 1 \(2008-11-24\)](#)

[Issue No. 0 \(2008-3-12\)](#)

Applicant: **ROSE Systemtechnik GmbH**  
Erbeweg 13  
32457 Porta Westfalica  
**Germany**

Electrical Apparatus: **Empty Enclosure Type 26. ....**  
*Optional accessory:*

Type of Protection: **Increased Safety, Protection by Enclosures**

Marking: **Ex e II**  
**Ex tD A21 IP66**

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

Dr.-Ing. Martin Thedens

*Position:*

Head of Section "Flameproof Enclosures"

*Signature:  
(for printed version)*

\_\_\_\_\_

*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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Page 2 of 5

Manufacturer: **ROSE Systemtechnik GmbH**  
Erbeweg 13  
32457 Porta Westfalica  
**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 : 2004</b> Edition: 4.0	Electrical apparatus for explosive gas atmospheres - Part 0: General requirements
<b>IEC 60079-7 : 2006-07</b> Edition: 4	Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
<b>IEC 61241-0 : 2004</b> Edition: 1	Electrical apparatus for use in the presence of combustible dust - Part 0: General requirements
<b>IEC 61241-1 : 2004</b> Edition: 1	Electrical apparatus for use in the presence of combustible dust - Part 1: Protection by enclosures "tD"

*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/ExTR08.0007/00](#)  
[DE/PTB/ExTR08.0007/01](#)  
[DE/PTB/ExTR08.0007/02](#)

Quality Assessment Report:  
[DE/TPS/QAR08.0001/00](#)



# IECEX Certificate of Conformity

Certificate No.: IECEx PTB 08.0003U

Date of Issue: 2009-08-17

Issue No.: 2

Page 3 of 5

## Schedule

### EQUIPMENT:

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

#### Description of equipment

Empty enclosure of type 26. ...., made of polyester, which may be provided with flanges, a glass or plastic inspection window and an earth bolt compl. with off shore plate / angle.

#### Nomenclature

26.	..	..	..
1	2	3	4

1: Material polyester

2: Length

3: Width

4: Depth

Technical Data see Annex

### CONDITIONS OF CERTIFICATION: NO



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Certificate No.: IECEx PTB 08.0003U

Date of Issue: **2009-08-17**

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Page 4 of 5

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

An earth bolt compl. with off shore plate / angle has been added.



# IECEX Certificate of Conformity

Certificate No.: IECEx PTB 08.0003U

Date of Issue: 2009-08-17

Issue No.: 2

Page 5 of 5

**Additional information:**

**Technical data (continued)**

**Ambient temperature**

- 55 °C to +135 °C with Silicon gasket (Sico, Silex and Gummi Jäger)  
and HF gasket (Chomerics)
- 40 °C to +100 °C with HF gasket (Neuhauss Elektronik, Bavaria Elektronik)
- 40 °C to +100 °C with PU Foam (Sonderhoff)
- 20 °C to +100 °C with (EPDM HF gasket Meteor)
- 20 °C to +100 °C with EPDM gasket
- 20 °C to + 85 °C with CR and NBR gasket
- 20 °C to +100 °C with window out of glas or conductive polycarbonate
- 50 °C to +135 °C with PC-pane mono duro clear 8099

**Protection against contact, foreign bodies and water**

IP 66 acc. to IEC 60529

**Annexe:** [Annex-IECEX\\_PTB\\_08\\_0003U\\_Rev2.pdf](#)