



# 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.: 3

Status:

Current

Date of Issue:

2012-03-12

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Certificate history:

Issue No. 3 (2012-3-12)

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:  
Optional accessory:

**Empty Enclosure Type 26. \*\*\*\*\***

Type of Protection:

**Increased Safety, Protection by Enclosures**

Marking:

Ex e IIC Gb  
Ex tb IIIC Db

Approved for issue on behalf of the IECEx  
Certification Body:

Dr.-Ing. Uwe Klausmeyer

Position:

Head of Section "Flameproof Enclosures"

Signature:  
(for printed version)

Date:

05 APR. 2012

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: **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:

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

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

**IEC 60079-7 : 2006-07** Explosive atmospheres - Part 7: Equipment protection by increased safety "e"  
Edition: 4

*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/ExTR08.0007/03

##### Quality Assessment Report:

DE/TUR/QAR09.0009/02



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## 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 and Schedule of Limitations see Annex

CONDITIONS OF CERTIFICATION: NO



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

- 1) New test according to the standards IEC 60079-0:2011 and IEC 60079-31:2008
- 2) New marking
- 3) New list of gaskets
- 4) Additional size no. 26.88 04 00 of the Ex-Okta Box-enclosure

**Annexe:** Annex-IECEx\_PTB\_08\_0003U\_Issue 3.pdf







Applicant: ROSE Systemtechnik GmbH  
Erbeweg 13  
32457 Porta Westfalica  
Germany

Electrical Apparatus: Empty Enclosure Type 26. \*\*\*\*\*

### 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.

### Technical data

#### Sizes

Type 26.08 08 06 to 26.41 40 20 (Ex-standard-enclosure)	Length	Width	Depth
min.	80 mm	75 mm	56,5 mm
max.	400 mm	405 mm	200 mm
Type 26.88 01 00 to 26.88 04 00 (Ex-Okta Box-enclosure)	Length	Width	Depth
min.	80 mm	80 mm	75,5 mm
max.	200 mm	200 mm	125 mm
Type 26.14 01 00 to 26.14 03 00 (Ex-PF-enclosure)	Length	Width	Depth
min.	270 mm	170 mm	135 mm
max.	540 mm	270 mm	135 mm
Type 26.12 20 00 to 26.40 60 00 (Mini-Polyglas-Ex-enclosure and Polyglas-Ex-enclosure)	Length	Width	Depth
min.	201 mm	123 mm	101 mm
max.	605 mm	405 mm	252 mm
Type 26.01 22 15 to 26.01 44 15 (Ex-Combi Box-enclosure)	Length	Width	Depth
min.	177 mm	177 mm	150 mm
max.	360 mm	360 mm	150 mm



### Ambient temperature

- 55 °C to +135 °C with Silicon gasket (Silex, Sico)
- 40 °C to +100 °C with HF gasket (Neuhaus Elektronik, Laird)
- 40 °C to +100 °C with PU-foam (Sonderhoff)
- 20 °C to + 85 °C with CR gasket (Leeser)
- 20 °C to +100 °C with window out of glas
- 50 °C to +100 °C with PC-window mono duro clear 8099,conductive

### Protection against contact, foreign bodies and water

IP 66 acc. to IEC 60529

### Nomenclature

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

- 1: Material sheet steel or stainless steel
- 2: Length
- 3: Width
- 4: Depth

### Schedule of Limitations

Installation of electrical components requires a further assessment by an ExCB.