# 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 08.0005U | Issue No: 2 | Certificate history: |
| Status: | **Current** | | Issue No. 2 (2016-09-08) |
| Date of Issue: | **2016-09-08** | | Issue No. 1 (2012-02-29) |
| | | | Issue No. 0 (2008-03-07) |

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

Equipment: **Empty Enclosure Type 25.******

*Optional accessory:*

Type of Protection: **Increased Safety "eb", Protection by enclosures "tb"**

Marking:

Ex eb IIC Gb
Ex tb IIIC Db

*Approved for issue on behalf of the IECEx Certification Body:* Dr.-Ing. Detlev Markus

*Position:* Head of Working Group "Flame Transmission Processes"

*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

PTB
Physikalisch-Technische Bundesanstalt
Braunschweig und Berlin

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| Manufacturer: | **ROSE Systemtechnik GmbH**<br>Erbeweg 13<br>32457 Porta Westfalica<br>**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 : 2011**<br>Edition:6.0 | Explosive atmospheres - Part 0: General requirements |
| **IEC 60079-31 : 2013**<br>Edition:2 | Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t" |
| **IEC 60079-7 : 2015**<br>Edition:5.0 | 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/ExTR08.0004/02

Quality Assessment Report:

[redacted]

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**Schedule**

**EQUIPMENT:**

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

**Description**

[redacted]

**CONDITIONS OF CERTIFICATION: NO**

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

1) New test according to IEC 60079-0:2011, IEC 60079-7:2015, IEC 60079-31:2013
2) New marking.

**Annex:**

COCA08.0005U-02.pdf

Attachment to Certificate
IECEx PTB 08.0005U, Issue No. 2

| | |
|---|---|
| Applicant: | ROSE Systemtechnik GmbH<br>Erbeweg 13<br>32457 Porta Westfalica<br>Germany |
| Electrical Apparatus: | Empty Enclosure Type 25.****** |

**Description of equipment**

Empty enclosure type 25.******, made of aluminium, which may be provided with flanges and

**Technical data**

| sizes | length | width | depth |
|---|---|---|---|
| min | 58 mm | 64 mm | 34 mm |
| max | 600 mm | 600 mm | 227 mm |

**Ambient temperature**

-55 °C to +135 °C with Silicon gasket
-40 °C to +100 °C with HF gasket
-40 °C to +100 °C with PU-foam
-20 °C to + 85 °C with CR gasket
-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**

| | | | |
|---|---|---|---|
| 25. | ** | ** | ** |
| 1 | 2 | 3 | 4 |

1: Material aluminium
2: Height
3: Width
4: Depth

**Schedule of limitations**

The empty enclosure 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.

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

**Physikalisch-Technische Bundesanstalt (PTB)**
Bundesallee 100, 38116 Braunschweig, Germany
Postfach 33 45, 38023 Braunschweig, Germany
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## IECEx Technical Report: DE/PTB/ExTR08.0004/02 details

| ExTR : | |
|---|---|
| ExTR Reference Number *: (automatic numbering) | DE/PTB/ExTR08.0004/02 |
| Status*: | Issued |
| ExTR Free Reference Number*: | DE/PTB/ExTR08.0004/00 |
| Date of Issue*: (yyyy-mm-dd) | 2016-09-08 |
| Details of change*: | New test according to IEC 60079-0:2011, IEC 60079-7:2015, IEC 60079-31:2013 and changing of the marking. |
| List of Standards Covered*: | IEC 60079-0 (Ed.6.0); IEC 60079-31 (Ed.2); IEC 60079-7 (Ed.5.0) |
| Issuing ExTL*: | PTB - Physikalisch-Technische Bundesanstalt (PTB) |
| Endorsing ExCB*: | |
| Manufacturer*: | PTB - Physikalisch-Technische Bundesanstalt (PTB) |
| Country of Manufacture*: | Germany |
| Ex Protection*: | Increased Safety "eb"<br>Protection by Enclosures "tb" |
| Ratings: | |
| Equipment*: | |
| Model Reference*: | |
| Related IECEx Certificates: | IECEx PTB 08.0005U issue: 2 [Current] |
| Comment: | |
| Attachment: | |

Last modified: 06.09.2016 13:28:19