IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION
IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Ex COMPONENT CERTIFICATE

Certificate No.: **IECEx PTB 08.0005U**

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Certificate history:
Issue 2 (2016-09-08)
Issue 1 (2012-02-29)
Issue 0 (2008-03-07)

Status: **Current**

Issue No: 3

Date of Issue: 2024-08-21

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

Ex Component: Empty Enclosure Type 25.******

This component is NOT intended to be used alone and requires additional consideration when incorporated into other equipment or systems for use in explosive atmospheres (refer to IEC 60079-0).

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

Marking: Ex eb IIC Gb
Ex tb III C 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:
(for printed version)

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 www.iecex.com or use of this QR Code.

Certificate issued by:

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

Physikalisch-Technische Bundesanstalt
Braunschweig und Berlin

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

Manufacturing locations: **ROSE Systemtechnik GmbH**
Erbeweg 13
32457 Porta Westfalica
Germany

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 component 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 60079-31:2013 Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
Edition:2

IEC 60079-7:2015 Explosive atmospheres – Part 7: Equipment protection by increased safety "e"
Edition:5.0

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:
A sample(s) of the component listed has successfully met the examination and test requirements as recorded in:

Test Report:

DE/PTB/ExTR08.0004/02

Quality Assessment Report:

DE/EPS/QAR17.0003/63

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Ex Component(s) covered by this certificate is described below:

Description

Empty enclosure type 25.******, made of aluminium, which may be provided with flanges and a glass or plastic inspection window.

Technical Data, Nomenclature and Schedule of Limitations see attachment.

SCHEDULE OF LIMITATIONS:

see annex as listed in the online CoC

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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)
Change of the QAR

Annex:

COCA080005U-03.pdf

Applicant: ROSE Systemtechnik GmbH
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32457 Porta Westfalica
Germany

Electrical Apparatus: Empty Enclosure Type 25.******

Description of equipment

Empty enclosure type 25.******, made of aluminium, which may be provided with flanges and a glass or plastic inspection window.

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.

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