

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 07.0059U	Issue No: 3	<u>Certificate history:</u>
Status:	Current	Page 1 of 4	Issue No. 3 (2016-09-06)
Date of Issue:	2016-09-06		Issue No. 2 (2012-02-29)
Applicant:	ROSE Systemtechnik GmbH Erbeweg 13 - 15 32457 Porta Westfalica Germany		Issue No. 1 (2010-12-17)
Equipment:	Empty Enclosure Type 34.*****		Issue No. 0 (2008-01-18)
Optional accessory:			
Type of Protection:	Increased Safety "eb", Protection by Enclosures "tb"		
Marking:	Ex eb IIC Gb Ex tb IIC 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:

05.09.16

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

Certificate issued by:

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





IECEX Certificate of Conformity

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Date of Issue: 2016-09-06 Page 2 of 4
Manufacturer: ROSE Systemtechnik GmbH
Erbeweg 13 - 15
32457 Porta Westfalica
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 Edition:6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-31 : 2013 Edition:2	Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
IEC 60079-7 : 2015 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/ExTR07.0059/03](#)

Quality Assessment Report:

[DE/TUR/QAR09.0009/06](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Description of equipment

Empty enclosure of type 34.*****, made from sheet steel or stainless steel, which may be provided with flanges and a glass or plastic inspection window.

Technical data, Nomenclature and Schedule of limitations see attachment.

CONDITIONS OF CERTIFICATION: NO



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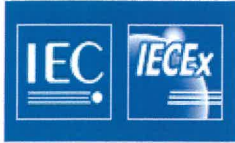
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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

- 1) New test according to the standards IEC 60079-0:2011, IEC 60079-7:2015 and IEC 60079-31:2013.
- 2) New marking.
- 3) New product line: enclosure Captive Clamp, type 34.08****.

Annex:

[COCA07.0059U-03.pdf](#)



Applicant: ROSE Systemtechnik GmbH
Erbeweg 13
32457 Porta Westfalica
Germany

Electrical Apparatus: Empty Enclosure Type 34.*****

Description of equipment

Empty enclosure of type 34.*****, made from sheet steel or stainless steel, which may be provided with flanges and a glass or plastic inspection window.

Technical data

Sizes	Height	Width	Depth
Enclosure			
min	100 mm	100 mm	60 mm
max	1200 mm	2000 mm	500 mm
Enclosure with flanges			
min	120 mm	120 mm	90 mm
max	1200 mm	2000 mm	500 mm

Ambient temperature

- 55 °C to +135 °C with Silicon gasket
- 55 °C to +135 °C with Silicon gasket Silicon-Profile COEX
- 40 °C to +100 °C with HF 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

34.	**	**	**
1	2	3	4

- 1: Type, material sheet steel or stainless steel
- 2: Height or product line (see below)
- 3: Width or number depending on product line
- 4: Depth or number depending on product line

Physikalisch-Technische Bundesanstalt (PTB)

Bundesallee 100, 38116 Braunschweig, Germany
Postfach 33 45, 38023 Braunschweig, Germany
Telephone +49 531 592-0, Telefax +49 531 592-3605



Product lines

Ex stainless steel standard	Type 34.*****
Ex stainless steel cabinets	Type 34.00****
Ex stainless steel flange 1. generation	Type 34.*****
Ex stainless steel flange 2. generation	Type 34.03****
ProtEx electropolish	Type 34.04****
ProtEx electropolish / return flange	Type 34.05****
ProtEx grinded	Type 34.06****
ProtEx grinded / return flange	Type 34.07****
Captive Clamp	Type 34.08****
Ex stainless steel special sizes	Type 34.*****

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.

IECEX Technical Report: DE/PTB/ExTR07.0059/03 details

ExTR :

ExTR Reference Number*: (automatic numbering)	DE/PTB/ExTR07.0059/03
Status*:	Issued
ExTR Free Reference Number*:	DE/PTB/ExTR07.0059/01
Date of Issue*: (yyyy-mm-dd)	2016-09-06
Details of change*:	1) New test according to the standards IEC 60079-0:2011, IEC 60079-7:2015 and IEC 60079-31:2013 2) New marking 3) New product line: enclosure Captive Clamp, type 34.08****
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*:	PTB - Physikalisch-Technische Bundesanstalt (PTB)
Manufacturer*:	ROSE Systemtechnik GmbH Erbeweg 13 - 15 32457 Porta Westfalica
Country of Manufacture*:	Germany
Ex Protection*:	Increased Safety Protection by Enclosures
Ratings:	See certificate
Equipment*:	Empty Enclosure
Model Reference*:	Type 34.*****
Related IECEx Certificates:	IECEX PTB 07.0059U issue: 3 [Current]
Comment:	
Attachment:	

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