



(1) **EU-TYPE EXAMINATION CERTIFICATE**
(Translation)

(2) Component Intended for Use in Potentially Explosive Atmospheres
Directive 2014/34/EU

(3) EU-Type Examination Certificate Number:

PTB 00 ATEX 1101 U

Issue: 3

(4) Component: Empty Enclosure Type 34.***, RMS R3***** and RMS R4*****

(5) Manufacturer: ROSE Systemtechnik GmbH

(6) Address: Erbeweg 13 - 15, 32457 Porta Westfalica, Germany

(7) This component and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(8) The Physikalisch-Technische Bundesanstalt, notified body No. 0102 in accordance with Article 17 of the Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this component has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres, given in Annex II to the Directive.

The examination and test results are recorded in the confidential test report PTB Ex 22-11234.

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN IEC 60079-0:2018, EN IEC 60079-7:2015/A1:2017, IEC 60079-31:2022

(10) The sign "U" placed behind the certificate number indicates that this certificate should not be confounded with certificates issued for equipment or protective systems. This partial certification may be used as a basis for certification of an equipment or protective systems.

(11) This EU-Type Examination Certificate relates only to the design and construction of the specified component in accordance to the Directive 2014/34/EU. Further requirements of the Directive apply to the manufacturing process and supply of this component. These are not covered by this certificate.

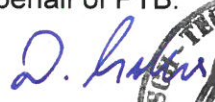
(12) The marking of the component shall include the following:

 **II 2 G Ex eb IIC Gb**

 **II 2 D Ex tb IIIC Db**

Konformitätsbewertungsstelle, Sektor Explosionsschutz
 On behalf of PTB:

Braunschweig, May 2, 2022


 Dr.-Ing. D. Markus
 Direktor und Professor



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EU-Type Examination Certificates without signature and official stamp shall not be valid. The certificates may be circulated only without alteration. Extracts or alterations are subject to approval by the Physikalisch-Technische Bundesanstalt. In case of dispute, the German text shall prevail.

(13)

SCHEDULE

(14) **EU-Type Examination Certificate Number PTB 00 ATEX 1101 U, Issue: 3**

(15) Description of Product

Empty enclosure of type 34.** ** **, RMS R3***** and RMS R4***** , 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 | 61 mm |
| max | 1200 mm | 2000 mm | 1000 mm |
| Enclosure with flanges | | | |
| min | 120 mm | 120 mm | 90 mm |
| max | 1200 mm | 2000 mm | 1000 mm |
| Service temperature | -60 °C to +135 °C with glass window -60 °C to +135 °C with silicone gasket -60 °C to +135 °C with HF Gasket (EMV) -40 °C to +90 °C with PU foam -20 °C to +85 °C with CR gasket -50 °C to +85 °C with PC window | | |
| 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 | 3 | Width or number depending on product line |
| 2 | Height or product line (see below) | 4 | Depth or number depending on product line |

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SCHEDULE TO EU-TYPE-EXAMINATION CERTIFICATE PTB 00 ATEX 1101 U, Issue: 3

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| R | * | * | * | * | * | * | * | * | * |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |

| | | |
|---|----------------------------|--------------------------------------|
| 1 | 3 | Ex empty enclosure, Material: 1.4301 |
| | 4 | Ex empty enclosure, Material: 1.4404 |
| 2 | Enclosure size | |
| 3 | Cover design | |
| 4 | Cover mounting | |
| 5 | Hinge design | |
| 6 | Gasket | |
| 7 | External mounting brackets | |
| 8 | Flange configuration | |
| 9 | Mounting plate mounted | |

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. ***** |

(16) Test report PTB Ex 22-11234

(17) 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.

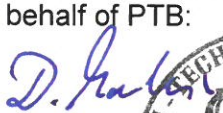
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(18) Essential health and safety requirements

Met by compliance with the aforementioned standards.

Konformitätsbewertungsstelle, Sektor Explosionsschutz
On behalf of PTB:

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