Physikalisch-Technische Bundesanstalt
Braunschweig und Berlin
Nationales Metrologieinstitut

(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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(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

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.

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

(18) Essential health and safety requirements

Met by compliance with the aforementioned standards.

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On behalf of PTB:

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