



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 IBE 15.0025U Issue No: 0 Certificate history:
Status: **Current** Page 1 of 3 Issue No. 0 (2016-06-23)

Date of Issue: **2016-06-23**

Applicant: **BERNSTEIN AG**
Hans-Bernstein-Straße 1
32547 Porta Westfalica
Germany

Equipment: **Empty enclosure - aluminium type CA - ...U**
Optional accessory:

Type of Protection: **Increased safety "e", protection by enclosure "t"**

Marking: Ex eb IIC Gb
Ex tb IIIC Db

Approved for issue on behalf of the IECEx
Certification Body:

Prof. Dr. Tammo Redeker

Position:

Head of Certification Body

Signature:
(for printed version)

Date:

2016-06-23

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:

IBExU Institut für Sicherheitstechnik GmbH
Certification Body
Fuchsmühlenweg 7
09599 Freiberg
Germany



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Manufacturer: **BERNSTEIN AG**
Hans-Bernstein-Straße 1
32547 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/IBE/ExTR14.0045/00

Quality Assessment Report:

DE/IBE/QAR15.0008/00



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The empty enclosures type CA - ...U are made of aluminium and can be used stationary in Zone 1 and 2 as well as 21 and 22. The enclosure can be provided with separately certified Ex-components, such as plug-in connectors, modular terminal blocks, connecting terminals and switches, in any combination.

The operating temperature range depends on used material of gasket, see table.

Technical data

Operating temperature range	-55 °C up to +135 °C (silicone) -35 °C up to +85 °C (EPDM) -20 °C up to +80 °C (NBR)
Degree of protection (acc. to IEC 60529)	at least IP64 (maximum IP66)
length	minimum 58 mm maximum 600 mm
width	minimum 36 mm maximum 180 mm
height	minimum 64 mm maximum 310 mm

Further identically constructed enclosures can be manufactured with in-between sizes.

Schedule of limitations

The service temperature has to be assessed and must not exceed the listed values in dependence of the used gasket material.

CONDITIONS OF CERTIFICATION: NO