

[1] **EU-TYPE EXAMINATION CERTIFICATE - Translation**



[2] Component intended for use on / in an equipment or protective system intended for use in potentially explosive atmospheres, Directive 2014/34/EU

[3] EU-type examination certificate number **IBExU16ATEX1130 U** | Issue 0

[4] Product: **Empty enclosure – aluminium**
Type: CA-...U

[5] Manufacturer: BERNSTEIN AG

[6] Address: Hans-Bernstein-Straße 1
32547 Porta Westfalica
GERMANY

[7] This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

[8] IBExU Institut für Sicherheitstechnik GmbH, Notified Body number 0637 in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this product 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 IB-14-3-160.

[9] Compliance with the essential health and safety requirements has been assured by compliance with: EN 60079-0:2012+A11:2013, EN 60079-7:2015 and EN 60079-31:2014 except in respect of those requirements listed at item [18] of the schedule.

[10] If the sign "U" is placed after the certificate number, it indicates that this certificate must not be mistaken for a certificate intended for an equipment or protective system. This partial certification may be used as a basis for certification of an equipment or protective system.

[11] This EU-type examination certificate relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

[12] The marking of the product shall include the following:

 **II 2G Ex eb IIC Gb**
 **II 2D Ex tb IIIC Db**

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By order

Dipl.-Ing. [FH] Henker



(Notified Body number 0637)

Certificates without signature and seal are not valid. Certificates may only be duplicated completely and unchanged. In case of dispute, the German text shall prevail.

Freiberg, 2016-06-03

[13] **Schedule**

[14] **Certificate number IBExU16ATEX1130 U | Issue 0**

[15] **Description of product**

The empty enclosures type CA - ...U are made of aluminium and can be used stationary in Zones 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.

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

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 EN 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.

[16] **Test report**

The test results are recorded in the confidential test report IB-14-3-160 of 2016-06-01. The test documents are part of the test report and they are listed there.

Summary of the test results

The empty enclosures type CA-...U fulfils the requirements of explosion protection for components Group II, Category 2G in type of protection increased safety "e" as well as Group II, Category 2D in type of protection protection by enclosure "t".

[17] **Specific conditions of use**

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

[18] **Essential health and safety requirements**

In addition to the essential health and safety requirements (EHSRs) covered by the standards listed at item [9], the following are considered relevant to this product, and conformity is demonstrated in the test report:

None

[19] **Drawings and Documents**

<i>Number</i>	<i>Sheet</i>	<i>Issue</i>	<i>Date</i>	<i>Description</i>
-	-	-	-	-

The documents are listed in the test report.

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