

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



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

[3] EU-type examination certificate number **IBExU16ATEX1197 U** | Issue 0

[4] Product: **Empty enclosure - polyester**
Type: CP*-...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-14-3-161.


[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**

IBExU Institut für Sicherheitstechnik GmbH
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09599 Freiberg, GERMANY

By order

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- Seal -

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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, 2016-11-02

[13] **Schedule**

[14] **Certificate number IBExU16ATEX1197 U | Issue 0**

[15] **Description of product**

The empty enclosures type CP*- ...U are made of polyester and may be used stationary in Zones 1 and 2 as well as 21 and 22. There are two different variations, one dissipative made of black plastic and one insulating variation made of grey plastic. The enclosure can be provided with separately certified Ex-components, such as plug-in connectors, modular terminal blocks, connecting terminals and switches. The enclosures may be equipped with hinges. Gaskets made of NBR are used for sealing of the screws at the hinges.

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

Technical data

Service temperature range	-60 °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 80 mm maximum 400 mm
width	minimum 55 mm maximum 165 mm
height	minimum 75 mm maximum 405 mm

* The gasket made of NBR is only used at the hinges.

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-14-3-161 of 2016-11-02.

The test documents are part of the test report and they are listed there.

Summary of the test results

The empty enclosures type CP*-...U fulfil 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 range has to be considered and may not exceed the listed values depending on the material of the gasket.
- At ambient temperatures below -55 °C the enclosure has to be installed protected against mechanical loads.
- The empty enclosures type CPG-...U made of grey plastic may not be installed in areas where charging processes may occur. The surface has to be cleaned with a damp cloth.

[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**
The documents are listed in the test report.

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