

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



- [2] Equipment or protective systems intended for use in potentially explosive atmospheres, Directive 2014/34/EU
- [3] EU-type examination certificate number **IBExU07ATEX1022 X** | Issue 1
- [4] Product: **Ex cable gland**
Type: M25 x 1.5 for flat cable
- [5] Manufacturer: eltherm production GmbH
- [6] Address: Ernst-Heinkel-Straße 6-10
57299 Burbach
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-21-3-0228.
- [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+A1:2018 EN 60079-31:2014
except in respect of those requirements listed at item [18] of the schedule.
- [10] If the sign "X" is placed after the certificate number, it indicates that the product is subject to the specific conditions of use specified in the schedule to this certificate.
- [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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By order

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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, 2022-08-04

[13] **Schedule**

[14] **Certificate number IBExU07ATEX1022 X | Issue 1**

[15] **Description of product**

The Ex cable gland type M25 x 1.5 for flat cable serves as cable entry for certified flat or oval heating cables in certified terminal boxes in type of protection „e“ and „t“.
It essentially consists of an intermediate gland, a pressure screw, a special sealing ring of silicone for flat cable and a clamping sleeve as additional clamping.

Technical data:

- | | |
|--|---|
| - Thread size: | M25x1.5 |
| - Permissible cable dimensions: | Flat: 4 mm x 11 mm up to 5.5 mm x 14 mm
Oval: 20 to 22 mm in circumference |
| - Bolt torque: | 2 Nm |
| - Degree of ingress protection acc. to EN 60529: | IP65 |
| - Operating temperature range: | -25 °C up to +70 °C (7 J)
-55 °C up to +70 °C (4 J) |

Variations compared to issue 0 of this certificate:

The Ex cable gland is manufactured and marked according to the current standards EN IEC 60079-0, EN IEC 60079-7 and EN 60079-31.

[16] **Test report**

The test results are recorded in the confidential test report IB-21-3-0228 of 2022-05-20.
The test documents are part of the test report and they are listed there.

Summary of the test results

The Ex cable gland type M25 x 1.5 for flat cable meets the requirements of explosion protection for equipment of group II, category 2G in type of protection increased safety "e" as well as category 2D in type of protection protection by enclosure "t".

[17] **Specific conditions of use**

- The Ex cable gland type M25 x 1.5 for flat cable may only be used for fixed installation. The operator must ensure appropriate strain relief.
- When used in a temperature range from < -25 °C to -55 °C, the Ex cable gland must be installed and operated protected according to EN IEC 60079-0 in accordance with the low degree of mechanical danger.
- The operating temperature at the Ex fitting must not exceed the permissible operating temperature of 70 °C.
- During installation, the Ex cable gland must be screwed in tightly and the pressure screw must be tightened to the required torque. Suitable tools must be used for this purpose.

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

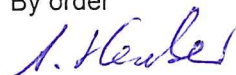
In addition to the essential health and safety requirements (EHSRs) covered by the standards listed at item [9], the following are considered relevant to this product, and conformity is demonstrated in the test report: None

[19] **Drawings and Documents**

The documents are listed in the test report.

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