

[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 **IBExU25ATEX1041 X** | Issue 0
- [4] Product: Ex cable gland
Type: EL-GSR
- [5] Manufacturer: eltherm production GmbH
- [6] Address: Ernst-Heinkel-Str. 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-21-3-0159.
- [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 and 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 2 G Ex eb IIC Gb**
 **II 2 D Ex tb IIIC Db**

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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, 2025-05-07

[13]

Schedule

[14]

Certificate number IBExU25ATEX1041 X | Issue 0

[15]

Description of product

The Ex cable gland type EL-GSR for flat cable serves as cable entry for flat heating cables in certified terminal boxes. The Ex cable gland consists of gland body, union nut, seal and strain relief. An additional O-ring provides sealing towards the wall of the corresponding enclosure.

Thread size	M25 x 1.5
Permitted cable dimensions	flat cables 4 mm x 12 mm up to 6 mm x 14 mm
Bolt torque	5 Nm (for enclosure and cap nut)
Degree of ingress protection	IP65
Service temperature range	-60 °C up to +130 °C

[16]

Test report

The test results are recorded in the confidential test report IB-21-3-0159 of 2025-05-05.
The test documents are part of the test report and they are listed there.

Summary of the test results

The Ex cable gland type EL-GSR fulfils the requirements of explosion protection of equipment for the use in group II, category 2 G in type of protection increased safety "eb" as well as category 2 D in type of protection protection by enclosure "tb".

[17]

Specific conditions of use

- The Ex cable gland type EL-GSR for flat cable may only be used for fixed installation. The user shall provide additional clamping of the cable to ensure that pulling is not transmitted to the terminations.
- The permitted service temperature range is -60 °C up to +130 °C.
- The degree of protection IP65 is only achieved if the Ex cable gland including O-ring for sealing to the enclosure is properly assembled. The manufacturers instructions must be observed.

[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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