



IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.:	IECEx IBE 25.0014X	Page 1 of 3	<u>Certificate history:</u>
Status:	Current	Issue No: 0	
Date of Issue:	2025-05-07		
Applicant:	eltherm production GmbH Ernst-Heinkel-Str. 6-10 57299 Burbach Germany		
Equipment:	Ex cable gland EL-GSR		
Optional accessory:			
Type of Protection:	Increased safety "e", dust ignition protection by enclosure "t"		
Marking:	Ex eb IIC Gb Ex tb IIIC Db		

Approved for issue on behalf of the IECEx
Certification Body:

Dr.-Ing. Peter Cimalla

Position:

Deputy Head of department Certification Body

Signature:
(for printed version)

Date:
(for printed version)

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 www.iecex.com or use of this QR Code.



Certificate issued by:

IBExU Institut für Sicherheitstechnik GmbH
Fuchsmühlenweg 7
09599 Freiberg
Germany





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Page 2 of 3

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Manufacturer: **eltherm production GmbH**
Ernst-Heinkel-Str. 6-10
57299 Burbach
Germany

Manufacturing
locations:

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 equipment 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 60079-0:2017 Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

IEC 60079-31:2022 Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure "t"
Edition:3.0

IEC 60079-7:2017 Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
Edition:5.1

This Certificate **does not** indicate compliance with 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/ExTR25.0013/00

Quality Assessment Report:

FR/INE/QAR12.0007/08



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Certificate No.: **IECEx IBE 25.0014X**

Page 3 of 3

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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

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

SPECIFIC CONDITIONS OF USE: YES as shown below:

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 to +130 °C.

The degree of protection IP65 is only achieved if the cable gland including O-ring for sealing to the enclosure is properly assembled. The manufacturer's instructions must be observed.