



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 12.0023X	Page 1 of 4	<u>Certificate history:</u>
Status:	Current	Issue No: 2	Issue 1 (2014-07-30) Issue 0 (2012-10-09)
Date of Issue:	2022-08-04		
Applicant:	eltherm production GmbH Ernst-Heinkel-Str. 6-10 57299 Burbach Germany		
Equipment:	Ex cable gland type M25 x 1.5 for flat cable		
Optional accessory:			
Type of Protection:	Increased safety "eb"; Protection by enclosure "tb"		
Marking:	Ex eb IIC Gb Ex tb IIIC Db		

Approved for issue on behalf of the IECEx
Certification Body:

Alexander Henker

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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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 60079-31:2013](#) Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
Edition:2

[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 Reports:

[DE/IBE/ExTR12.0022/00](#)

[DE/IBE/ExTR12.0022/01](#)

[DE/IBE/ExTR12.0022/02](#)

Quality Assessment Report:

[FR/INE/QAR12.0007/06](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

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 „tb“.

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 IEC 60529	IP 65
Operating temperature range	-25 °C up to +70 °C (7 J) -55 °C up to +70 °C (4 J)

SPECIFIC CONDITIONS OF USE: YES as shown below:

The Ex cable gland type M25 x 1.5 for flat cable may only be used for fixed installation exclusively. The operating company has to ensure an appropriate clamping.

At use in a temperature range from < -25 °C up to -55 °C the cable gland according to IEC 60079-0 must be installed and operated protected according to the low risk of mechanical danger.

The service temperature on the Ex cable gland must not exceed the allowed operating temperature of 70 °C.

At the installation the Ex cable gland has to be screwed tightly and the pressure screw has to be screwed on strongly with the required torque. For it suitable tools have to be used.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Equipment is manufactured according to IEC 60079-0 (Ed.7.0), IEC 60079-7 (Ed.5.1) and IEC 60079-31 (Ed.2)