



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 EPS 19.0006X**

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Certificate history:

Status: **Current**

Issue No: 2

[Issue 1 \(2021-08-12\)](#)

[Issue 0 \(2019-03-01\)](#)

Date of Issue: 2026-03-20

Applicant: **eltherm production GmbH**
Ernst-Heinkel-Straße 6-10
57299 Burbach
Germany

Equipment: **Heating cable system ELSR-H-Ex, ELSR-QH-Ex**

Optional accessory:

Type of Protection: **Electrical resistance trace heating**

Marking: Ex 60079-30-1 IIC T3 Gb

Ex 60079-30-1 IIIC T200°C Db

Approved for issue on behalf of the IECEx
Certification Body:

Ulrich Feike

Position:

Head of Certification

Signature:
(for printed version)

Date:
(for printed version)

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Certificate issued by:

Bureau Veritas Consumer Products Services Germany GmbH
Businesspark A96
86842 Türkheim
Germany





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

Manufacturing locations: **eltherm production GmbH**
Ernst-Heinkel-Straße 6-10
57299 Burbach
Germany

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/IEEE 60079-30-1:2015 Explosive atmospheres - Part 30-1: Electrical resistance trace heating - General and testing requirements
Edition: 1.0

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/EPS/ExTR19.0005/02

Quality Assessment Report:

FR/INE/QAR12.0007/09



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The heating cable systems ELSR-H-Ex, ELSR-QH-Ex consist of IECEx approved components and are suitable for use on pipes, vessels and associated equipment in areas with combustible gas or dust (Equipment Group II, Equipment Protection Level Gb and Db for T-Class T3 or T200°C).

The system assembly consists of:

- Self regulating heating cable ELSR-H-...-BOT with power 10, 15, 20, 30, 45, 60 and 75 W/m at 10 °C (IECEx EPS 12.0004U)
- Self-regulating heating cable ELSR-QH-...-BOT with power 15, 30, 45 and 60 W/m at 10 °C (IECEx EPS 12.0004U)
- Self-regulating heating cable ELSR-HA-...-BOT with power 10, 15, 20, 30, 45, 60 and 75 W/m at 10 °C (IECEx EPS 20.0023U)
- Cable gland M25x1.5 (IECEx IBE 12.0023X)
- Cable gland EL-GSR (IECEx IBE 25.0014X)
- Ex d cable gland Peppers A8** (IECEx CML 19.0104X)
- End cap EL-ECSH (IECEx EPS 17.0063U)
- Cable Joint Ex-Con SR (IECEx IBE 13.0012X)
- Mounting foot Ex-It (IECEx IBE 12.0024U)

Electrical data:

Voltage: 230/277 V AC

Power: 10, 15, 20, 30, 45, 60 and 75 W/m (for ELSR-H-Ex)

15, 30, 45 and 60 W/m (for ELSR-QH-Ex)

SPECIFIC CONDITIONS OF USE: YES as shown below:

Application temperature, depending on system components: max. -60 °C to +180 °C

When determining the limit temperature, the operating temperature ranges for the system components that have direct contact with heated equipment must be considered.

Heating cable ELSR-H	-60 °C to +180 °C
Heating cable ELSR-QH	-60 °C to +135 °C
Heating cable ELSR-HA	-60 °C to +200 °C
Cable gland M25x1.5	-25 °C to +70 °C (7 J)
	-55 °C to +70 °C (4 J)
Cable gland EL-GSR	-60 °C to +130 °C
Ex d cable gland Peppers A8**	-60 °C to +180 °C
End cap EL-ECSH	-60 °C to +250 °C
Cable Joint Ex-Con SR	-32 °C to +200 °C
Mounting foot Ex-It	-20 °C to +200 °C

At temperatures below -25 °C, the cable gland M25x1.5 shall be installed protected against mechanical stress.

The Ex-Con SR cable joint shall be installed to protect it from mechanical stress.

The system components shall be combined so that all free ends of the heating cable are closed or contacted.

Installation and commissioning shall only be carried out by trained specialist personnel in accordance with the requirements of IEC 60079-14, Annex F and in accordance with the manufacturer's specifications.

The free cable ends are to be connected to separate junction boxes (which are approved according to a recognised type of protection) via the system cable gland or to the system junction boxes type ELAK-Ex-R via the system mounting assembly Ex-It.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Addition of a further cable gland.