



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 12.0006U**

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Certificate history:

Status: **Current**

Issue No: 2

[Issue 1 \(2014-05-27\)](#)

[Issue 0 \(2012-09-10\)](#)

Date of Issue: 2015-11-06

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

Equipment: **Heating cables type ELSR-...**

Optional accessory:

Type of Protection: **increased safety "e" protection by enclosure "t"**

Marking: Ex e IIC Gb

Ex tb III C Db

Approved for issue on behalf of the IECEx
Certification Body:

Dieter Zitzmann

Position:

Manager certification

Signature:
(for printed version)

Date:

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:

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

Additional
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 60079-0:2011 Explosive atmospheres - Part 0: General requirements
Edition:6.0

IEC 60079-30-1:2007-01 Explosive atmospheres - Part 30-1: Electrical resistance trace heating - General and testing requirements
Edition:1

IEC 60079-31:2013 Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
Edition:2

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/EXTR12.0014/03](#)

Quality Assessment Report:

[FR/INE/QAR12.0007/02](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

Self regulating heating cable of various rating classes as component for the production of trace heating systems

Rated voltage: 230V

Min. bending radius: 25 mm

Type	Power (W/m at 10°C)
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ELSR-LS-...-2...	10/15/25/30
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ELSR-M...-2...	10/15
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ELSR-N...-2...	10/20/30/40
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SPECIFIC CONDITIONS OF USE: NO



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Equipment (continued):

Schedule of Limitations

The connection method, the temperature class, and the requirements made on the qualification of the staff putting the regulations into practice, have to be defined in the certification of final installation system.

The manufacturer's instructions must be followed.

Max service temperature: -45°C to +65°C (operated)
-45°C to +65°C (not-operated)

Max surface temperature: 80°C (T6)



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Update of standard IEC 60079-31:2013 (ed2) and addition of new rated output (at +10°C): 10 W/m