



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 12.0004U**

Page 1 of 4

Certificate history:

Status: **Current**

Issue No: 3

[Issue 2 \(2015-11-06\)](#)

[Issue 1 \(2015-01-29\)](#)

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

Date of Issue: 2018-05-02

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

Equipment: **Heating cable type ELSR-H...-2-BOT**

Optional accessory:

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

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:

Holger Schaffer

Position:

Head of 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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Page 2 of 4

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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 60079-0:2017 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/EXTR12.0012/03](#)

Quality Assessment Report:

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



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Certificate No.: **IECEx EPS 12.0004U**

Page 3 of 4

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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:	230VAC/277VAC
Rated output (at +10°C):	10 / 15 / 20 / 30 / 45 / 60 / 75 W/m
Mechanical strength:	7 J
Min. bending radius:	25 mm
Max. surface temperature	+195°C (T3)

Temperature	Temperature value	Operating condition
min. permissible ambient temperature	- 60°C	-
max. permissible temperature of the heated surface (tube temperature)	+ 120°C	Heating cable operated
max. permissible working temperature of the heating cable	+ 150°C (T3)	Heating cable operated
max. permissible process temperature	+ 180°C	Heating cable off

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.

SPECIFIC CONDITIONS OF USE: NO



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Certificate No.: **IECEx EPS 12.0004U**

Page 4 of 4

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Issue No: 3

DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Standard and documentation update, extension of ambient temperature to -60°C