



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 14.0069X**

Page 1 of 4

Certificate history:

Status: **Current**

Issue No: 2

[Issue 1 \(2017-03-15\)](#)

[Issue 0 \(2015-01-12\)](#)

Date of Issue: 2022-08-05

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

Equipment: **Ex-Capillary Tube Thermostat**

Optional accessory: Type EL-CT and EL-CT (2)

Type of Protection: **"d" and "t"**

Marking: Ex db IIC T6 Gb
Ex tb III C T85°C Db
-32 °C up to + 50 °C for EL-CT
-50 °C up to + 50 °C for EL-CT (2)

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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Certificate No.: **IECEx IBE 14.0069X**

Page 2 of 4

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Manufacturer: **eltherm production GmbH**
Ernst-Heinkel-Straße 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 60079-1:2014 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

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 Reports:

DE/IBE/ExTR14.0034/00

DE/IBE/ExTR14.0034/01

DE/IBE/ExTR14.0034/02

Quality Assessment Report:

FR/INE/QAR12.0007/06



IECEx Certificate of Conformity

Certificate No.: **IECEx IBE 14.0069X**

Page 3 of 4

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Issue No: 2

EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The Capillary tube thermostat type EL-CT and EL-CT (2) is provided for the connection of a heating conductor in potentially explosive atmospheres.

It consists of a flameproof enclosure with built in thermostat and capillary tube bushing.

Ambient temperature range:

-32 °C up to + 50 °C - CT

-50 °C up to + 50 °C - CT (2)

Technical data:

Max. Voltage:

230 V

400 V EL-CT (2)

Max. Current:

16 A

20 A EL-CT (2) three pole versions only

Degree of protection according to EN 60529: IP66

SPECIFIC CONDITIONS OF USE: YES as shown below:

When selecting the cable glands as well as the connection cable, the corresponding requirements of IEC 60079-14, section 10.6.2 must be observed.

Only temperature-resistant cables, which are suitable for a temperature of at least 90 °C, may be used at the Capillary tube thermostat types EL-CT and EL-CT (2).

The cable entry supplied by the manufacturer may be used only for fixed installation. The operating company has to ensure an appropriate clamping.

The flameproof joints must not be repaired



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Certificate No.: **IECEx IBE 14.0069X**

Page 4 of 4

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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Equipment is manufactured with accordance to IEC 60079-0 Ed. 7