



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 FTZU 11.0007X**

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Certificate history:

Status: **Current**

Issue No: 2

Issue 1 (2016-11-09)

Issue 0 (2011-07-15)

Date of Issue: 2020-08-19

Applicant: **Limatherm S.A.**
ul. Tarnowska 1
34-600 Limanowa
Poland

Equipment: **Flameproof bushings type N ... ; T...**

Optional accessory:

Type of Protection: **Flameproof enclosure**

Marking: Ex db IIC T4 Gb

Approved for issue on behalf of the IECEx
Certification Body:

Dipl. Ing. Lukáš Martinák

Position:

Head of the Certification Body

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:

**Fyzikálne technický zkušební ústav
(Physical -Technical Testing Institute)
Pikartska 7, 71607 Ostrava - Radvanice
Czech Republic**





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Manufacturer: **Limatherm S.A.**
ul. Tarnowska 1
34-600 Limanowa
Poland

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 60079-1:2014-06 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

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 Reports:

[CZ/FTZU/ExTR11.0007/00](#)

[CZ/FTZU/ExTR11.0007/01](#)

[CZ/FTZU/ExTR11.0007/02](#)

Quality Assessment Report:

[CZ/FTZU/QAR11.0004/07](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

Flameproof line bushings are intended for installation in to flameproof enclosures of explosion-proof apparatus. The body of bushings are made of brass M058 and are nickel-plated. The body of bushings create threaded joint with wall of flame proof enclosure of relevant parameters. Bushings type T and N serves as electrical connection between flameproof enclosures. Installation of the bushing has to be done according to service manual N-L4129. Operating temperature range of bushings is $-40^{\circ}\text{C} \leq T_{\text{serv}} \leq +120^{\circ}\text{C}$. Temperature rises of the bushing does not exceed 45K for maximum No. of conductors and maximal current (technical parameters see annex).

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. Service temperature of the bushing is: $-40^{\circ}\text{C} \leq T_{\text{serv}} \leq +120^{\circ}\text{C}$. Temperature rise of the bushing does not exceed 45K for nominal current.
2. Line bushings type N...; T... screwed in threaded holes must meet minimum requirements of IEC 60079-1 clause 5.3.
3. Bushings are not intended to be repaired.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Issue 2:

Bushing type N is verified with 3/4 NPT thread.

Assessment according to new edition of IEC 60079-0.