



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 PTB 18.0001X** Page 1 of 4 Certificate history:
Status: **Current** Issue No: 3 Issue 2 (2022-06-01)
Date of Issue: 2022-12-06 Issue 1 (2022-03-16)
Applicant: **Pflitsch GmbH & Co. KG** Issue 0 (2018-04-16)
Ernst-Pflitsch-Straße 1
42499 Hückeswagen
Germany
Equipment: **Cable gland type LevelEx *****, Level Ex TRI ***** and LevelEx-AC *******
Optional accessory:
Type of Protection: **"db", "eb", "ta"**
Marking: **Ex db eb IIC Gb**
Ex ta IIIC Da

Approved for issue on behalf of the IECEx
Certification Body:

Dr.-Ing. Martin Thedens

Position:

**Head of Department "Explosion Protection in Sensor Technology
and Instrumentation"**

Signature:
(for printed version)

Date:
(for printed version)

7.12.22

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:

Physikalisch-Technische Bundesanstalt (PTB)
Bundesallee 100
38116 Braunschweig
Germany





IECEX Certificate of Conformity

Certificate No.: **IECEX PTB 18.0001X**

Page 2 of 4

Date of issue: 2022-12-06

Issue No: 3

Manufacturer: **Pflitsch GmbH & Co. KG**
Ernst-Pflitsch-Straße 1
42499 Hückeswagen
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 60079-1:2014-06 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

IEC 60079-7:2017 Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
Edition:5.1

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/PTB/ExTR18.0001/03

Quality Assessment Report:

DE/PTB/QAR10.0003/06



IECEX Certificate of Conformity

Certificate No.: **IECEX PTB 18.0001X**

Page 3 of 4

Date of issue: 2022-12-06

Issue No: 3

EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

Description

The cable glands type LevelEx *****, LevelEx TRI ***** and LevelEx AC ***** made of brass, brass nickel-plated, brass lead-free or stainless steel, serve to introduce permanently installed cables into electrical equipment of the types of protection flameproof enclosure "db", increased safety "eb" and protection by enclosure "ta".

The cable gland LevelEx ***** consists of:

- pressure screw (brass, brass nickel-plated, brass lead-free or stainless steel)
- pressure sleeve (PFA or PTFE)
- sealing ring (silicone)
- double nipple with metric or NPT thread (brass, brass nickel-plated, brass lead-free or stainless steel)
- connection thread O-ring (silicone)

The cable gland LevelEx TRI ***** consists of:

- pressure screw (brass, brass nickel-plated, brass lead-free or stainless steel)
- pressure sleeve (PFA or PTFE)
- sealing ring (silicone)
- double nipple with metric or NPT thread (brass, brass nickel-plated, brass lead-free or stainless steel)
- TRI spring (stainless steel or bronze)
- connection thread O-ring (silicone)

The cable gland LevelEx AC ***** consists of:

- pressure screw (brass, brass nickel-plated, brass lead-free or stainless steel)
- pressure sleeve (PFA or PTFE)
- sealing ring (silicone)
- intermediate connection LevelEx armoured (brass, brass nickel-plated, brass lead-free or stainless steel)
- intermediate connection Klemm AC (brass, brass nickel-plated, brass lead-free or stainless steel)
- intermediate connection O-ring (silicone)
- sealing ring (silicone)
- double nipple with metric or NPT thread (brass, brass nickel-plated, brass lead-free or stainless steel)
- connection thread O-ring (silicone)

Accessory is a lock nut.

For details refer to the Attachment to Certificate.

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. Only permanently wired cables may be entered. The user shall provide additional clamping of the cable to ensure that pulling is not transmitted to the terminations.
2. Degree of protection is ensured only if the seals and cable entries are properly fitted. The manufacturer's instructions must be followed.



IECEX Certificate of Conformity

Certificate No.: **IECEX PTB 18.0001X**

Page 4 of 4

Date of Issue: 2022-12-06

Issue No: 3

DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

1. New type LevelEx TRI *****

Annex:

[COCA180001X-03.pdf](#)