IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION
IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.:	IECEx PTB 10.0004X	Issue No: 1	Certificate history:
Status:	**Current**	Page 1 of 4	Issue No. 1 (2015-12-18)
Date of Issue:	**2015-12-18**		Issue No. 0 (2010-05-10)

Applicant: **Pflitsch GmbH & Co. KG**
Ernst-Pflitsch-Straße 1
42499 Hückeswagen
Germany

Electrical Apparatus: **Cable gland type blueglobe xx x xx xxxx xx, blueglobe TRI xx x xx xxxx xx and blueglobe AC xxx xx x xx xxxx xx**

Optional accessory:

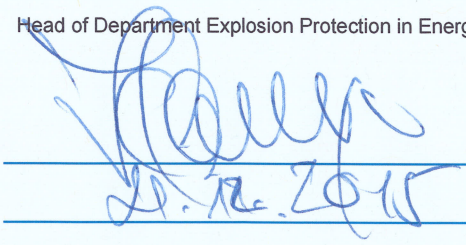
Type of Protection: **Increased Safety, Protection by Enclosure**

Marking: Ex e IIC Gb
Ex tb IIIC Db

Approved for issue on behalf of the IECEx Certification Body: Dr.-Ing. Uwe Klausmeyer

Position: Head of Department Explosion Protection in Energy Technology

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 the Official IECEx Website.

Certificate issued by:

IECEx Certificate of Conformity

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Manufacturer:	**Pflitsch GmbH & Co. KG** Ernst-Pflitsch-Straße 1 42499 Hückeswagen **Germany**	
Additional Manufacturing location(s):		

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 electrical apparatus 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 Edition:6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-31 : 2013 Edition:2	Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
IEC 60079-7 : 2006-07 Edition:4	Explosive atmospheres - Part 7: Equipment protection by increased safety "e"

*This Certificate **does not** indicate compliance with electrical 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/ExTR10.0003/01

Quality Assessment Report:

DE/PTB/QAR06.0003/04

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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Description

The cable gland type blueglobe xx x xx xxxx xx, blueglobe TRI xx x xx xxxx xx and blueglobe AC xxx xx x xx xxxx xx made of brass, nickel-plated or stainless steel, serves to introduce cables into electrical apparatus of the type of protection Increased Safety "e" or Protection by Enclosure "tb". The cable gland consists of:
- pressure screw without clamping device
- sealing component for sealing inserts
- double nipple with short or long thread with an O-ring for the lower part of the thread

Accessories are lock nut, blind plugs and a group for amoured cables (AC) and a group for EMC cables with a shield (TRI).

Technical Data and Nomenclature: see Annex.

CONDITIONS OF CERTIFICATION: YES as shown below:

Special conditions for safe use

Only permanently wired cables may be entered. The user shall provide the required strain relief.

Types with a low impact force shall be mounted into the enclosure in such a way that they are mechanically protected against impact force.

Degree of protection will be safeguarded only when sealing and cable entry fittings are properly fitted. The manufacturer's instructions must be followed.

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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

1) To connect shielded cables a new type blueglobe TRI with a spring added

2) New sizes of threads M10, highlighted in the table “Maximum sealed size of gland”

3) Smallest cable diameter is according to M10 decreased to 3 mm

4) Pg-connection-thread is cancelled

5) New type description to blueglobe xx x xx xxxx xx, blueglobe AC xxx xx x xx xxxx xx and blueglobe TRI xx x xx xxxx xx

6) New test according to IEC 60079-0:2011 (Ed. 6) and IEC 60079-31:2013 (Ed. 2) (IEC 60079-7) and new marking

Annex:

COCA100004.pdf

Physikalisch-Technische Bundesanstalt
Braunschweig und Berlin
Nationales Metrologieinstitut

Eingegangen
22. Dez. 2017
Pflitsch

Konformitätsbewertungsstelle, Sektor Explosionsschutz

PTB • Postfach 33 45 • 38023 Braunschweig

Firma Pflitsch GmbH & Co. KG
z. Hd. Herrn Saßenbach

Ernst-Pflitsch-Straße 1 - Nord 1
42499 Hückeswagen

Ihr Zeichen:
Ihre Nachricht vom: 18.12.2017
Mein Zeichen:
Meine Nachricht vom:

Bearbeitet von: Dr. Monika Schumann
Telefondurchwahl: +49 531 592-3515
Telefaxdurchwahl: +49 531 592-
E-Mail: Monika.Schumann@ptb.de

Datum: 18.12.2017

Kabel- und Leitungseinführung Typ UNI Ex * Dicht ********** und Typ UNI Ex Klemm * Dicht **********
PTB 14 ATEX 1011 X, IECEx PTB 14.0021X, Issue 1

Kabel- und Leitungseinführung Typ UNI Ex Klemm * Dicht **********
PTB 14 ATEX 1012, IECEx PTB 14.0022, Issue 0

Blindstopfen Typ Ex e * (*) * * * *, Erweiterung Typ Ex e * * * * * und Reduzierung Typ Ex e * * * * *
PTB 09 ATEX 1002, IECEx PTB 10.0003

Kabel- und Leitungseinführung Typ blueglobe xx x xx xxxx xx, blueglobe TRI xx x xx xxxx xx and blueglobe AC xxx xx x xx xxxx xx (PTB 06 ATEX 1036X, IECEx PTB 10.0004 X, Issue 1)

Sehr geehrter Herr Saßenbach,

es bestehen keine sicherheitstechnischen Bedenken, für den Dichtring am Anschlussgewinde der oben genannten Kabelverschraubungen bzw. Blindstopfen, Erweiterungen und Reduzierungen das Material NBR sowie das Material HNBR zu verwenden.

Wir bitten Sie, diese Änderung bei einer zukünftigen Ergänzung mit aufzunehmen.

Translation

there are no safety-related objections from PTB, to use the material NBR as well as HNBR for the O-ring of the connection thread of the cable glands resp. blanking plug, extender and reducer mentioned above.

We would like to ask you to include this change into the next supplement.

Mit freundlichen Grüßen
im Auftrag

Schumann

Dr. Monika Schumann
Regierungsrätin

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