



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 11.0019X	Issue No: 1	<u>Certificate history:</u> Issue No. 1 (2015-09-24) Issue No. 0 (2011-05-23)
Status:	Current	Page 1 of 4	
Date of Issue:	2015-09-24		
Applicant:	Pflitsch GmbH & Co. KG Ernst-Pflitsch-Straße 1 42499 Hückeswagen Germany		
Electrical Apparatus:	Cable gland type blueglobe HT xx x xx xxxx xx, blueglobe HT AC xxx xx x xx xxxx xxxx xx and blueglobe HT TRI 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 3.5 "Explosion Protection in Energy Technology"

Signature:
(for printed version)

Date:

24.09/15

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](http://www.iecex.com).

Certificate issued by:



IECEX Certificate of Conformity

Certificate No: IECEX PTB 11.0019X Issue No: 1
Date of Issue: 2015-09-24 Page 2 of 4
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 Explosive atmospheres - Part 0: General requirements
Edition:6.0
IEC 60079-31 : 2013 Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
Edition:2
IEC 60079-7 : 2006-07 Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
Edition:4

*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/ExTR11.0032/01](#)

Quality Assessment Report:

[DE/PTB/QAR10.0003/02](#)



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Certificate No: IECEx PTB 11.0019X

Issue No: 1

Date of Issue: 2015-09-24

Page 3 of 4

Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Description

The cable gland type blueglobe HT xx x xx xxxx xx, blueglobe HT AC xxx xx x xx xxxx xxxx xx and blueglobe HT TRI xx x xx xxxx xx made of brass, nickel-plated and stainless steel, serves to introduce cables into electrical apparatus of the type of protection increased safety "e".

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, AC group for armoured cables and TRI-spring for shielded cables.

Technical data and Nomenclature see Annex .

CONDITIONS OF CERTIFICATION: YES as shown below:

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

When the tested sealing components are selected, the maximum thermal load of the cables introduced must be taken into account.



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Certificate No: IECEx PTB 11.0019X

Issue No: 1

Date of Issue: 2015-09-24

Page 4 of 4

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

New test according to IEC 60079-0:2011 (Ed. 6), IEC 60079-7:2006 (Ed. 4),
IEC 60079-31:2013 (Ed. 2).
The marking has been changed.

Annex:

[COCA110019X-01.pdf](#)



Konformitätsbewertungsstelle, Sektor Explosionsschutz

PTB • Postfach 33 45 • 38023 Braunschweig • Germany

PFLITSCH GmbH & Co. KG
 Herr B. Saßenbach
 Ernst-Pflitsch-Straße 1
 42499 Hückeswagen

Your reference: Saßenbach
 Your letter of:
 My reference: PEx1201900139
 My letter of:
 Handled by: Dr.-Ing. S. Essmann
 Telephone: +49 531 592-3445
 Fax: +49 531 592-3505
 E-mail: Stefan.Essmann@ptb.de
 Date: November 24, 2020

Re.: Modification of brass material for several products

Dear Mr. Saßenbach,

with respect to safety technology there are no objections to use the material brass lead-free (CuZn21Si3P) instead of the material brass Ms 58 (CuZn39Pb3) for the products listed below. This evaluation is based on the specifications in the provided material data sheets.

Please incorporate these modifications with future editions of the certificates for the respective products concerned.

Product	Certificate
blueglobe (AC) cable gland made of brass, nickel-plated, bright and stainless	PTB 06 ATEX 1036X
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	IECEX PTB 10.0004X Issue 1
Cable gland type blueglobe HT xx x xx xxxx xx, blueglobe HT AC xxx xx x xx xxxx xxxx xx and blueglobe HT TRI xx x xx xxxx xx	PTB 11 ATEX 1007X issue 01
Cable gland type blueglobe HT xx x xx xxxx xx, blueglobe HT AC xxx xx x xx xxxx xxxx xx and blueglobe HT TRI xx x xx xxxx xx	IECEX PTB 11.0019X Issue 2
Cable gland type UNI Ex * Dicht ***(*)*****(*) und Typ UNI Ex Klemm * Dicht *****	PTB 14 ATEX 1011X issue 01
Cable gland type UNI Ex * Dicht ***(*)*****(*) and type UNI Ex Klemm * Dicht *****	IECEX PTB 14.0021X Issue 2
Cable gland type UNI Ex Klemm * Dicht *****	PTB 14 ATEX 1012 issue 01
Cable gland type UNI Ex Klemm * Dicht *****	IECEX PTB 14.0022 Issue 1
Cable gland type UNI Ex * Dicht Silikon ***** und Type UNI Ex Muffe EMV Dicht Silikon *****	PTB 15 ATEX 1001X issue 02
Cable gland type UNI Ex * Dicht Silicone ***** and UNI Ex Sleeve EMC Dicht Silicone *****	IECEX PTB 15.0001X Issue 1

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Blanking plug type Ex e * (*) * * * * , Extender type Ex e * * * * * and Reducer type Ex e * * * * *	PTB 09 ATEX 1002
Blanking plug, type Ex e * (*) * * * * , Extender, type Ex e * * * * * and Reducer, type Ex e * * * * *	IECEX PTB 10.0003 Issue 1
Cable gland type LevelEx Lex * * * * *	PTB 18 ATEX 1001X Ausgabe 00
Cable gland type LevelEx Lex * * * * *	IECEX PTB 18.0001X Issue 0
Adaptor type AD * * * * * , Reducer type RED * * * * * and Blind plug type BSM * * * * *	PTB 19 ATEX 1010 issue 0
Adaptor type AD * * * * * , Reducer type RED * * * * * , Blind plug type BSM * * * * *	IECEX PTB 19.0033 Issue 0

Best regards



Dr.-Ing. Stefan Essmann

Enc.



Konformitätsbewertungsstelle, Sektor Explosionsschutz

PTB • Postfach 33 45 • 38023 Braunschweig • Germany

PFLITSCH GmbH & Co. KG
 Herr B. Saßenbach
 Ernst-Pflitsch-Straße 1
 42499 Hückeswagen

Your reference:
 Your letter of:
 My reference:
 My letter of:

Saßenbach

Handled by:
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Dr.-Ing. S. Essmann
 +49 531 592-3550
 +49 531 592-3505
 Stefan.Essmann@ptb.de

Date:

January 9, 2023

**Error in certificates for cable gland type blueglobe HT xx x xx xxxx xx,
 blueglobe HT AC xxx xx x xx xxxx xxxx xx and blueglobe HT TRI xx x xx xxxx xx**

Dear Mr. Saßenbach,

in the English language certificates for the above product there is an error in the column heading of the table "max. Torque blueglobe AC". This table appears in

PTB 11 ATEX 1007 X, Issue 1, on sheet 3 of 5,

IECEx PTB 11.0019X, Issue No. 2, Attachment to Certificate, page 2 of 3.

Here, the column headings of column 4 and 5 are reversed. The correct table reads:

max. Torque blueglobe AC

blueglobe HT AC for armoured cable						
Thread	Molded inlet	Torque Pressure screw / double nipple	Cable diameter without inlet	Cable diameter with inlet	Clamping range of AC group	Mechanical strength
M20	X	15 Nm	14,0 – 9,0	---	13,0 – 9,0	7 J
M20	X	15 Nm	20,0 - 16,0	16,0 - 11,0	15,0 - 10,0	7 J
M25	X	15 Nm	20,0 – 16,0	---	17,0 - 14,0	7 J
M32		15 Nm	25,0 – 20,0	---	23,0 – 19,0	7 J
M32		15 Nm	32,0 - 26,0	26,0 - 20,0	27,0 - 23,0	7 J
M40		20 Nm	32,0 - 26,0	----	31,0 - 28,0	7 J
Connection thread: metric, acc. to IEC 60 423						
Note: The torque depends on the cable used and the insert seal but should not exceed the value given in the table.						

The corresponding table in the German language version of certificate PTB 11 ATEX 1007 X does not contain this error.

Kind regards

Dr.-Ing. Stefan Essmann

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