



EU-TYPE EXAMINATION CERTIFICATE



(Translation)

- (2) Equipment or Protective Systems Intended for Use in
Potentially Explosive Atmospheres - **Directive 2014/34/EU**
- (3) EU-Type Examination Certificate Number:

PTB 19 ATEX 1010

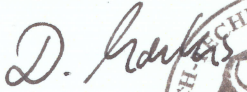
Issue: 0

- (4) Product: Adaptor type AD*****, Reducer type RED***** and
Blind plug type BSM*****
- (5) Manufacturer: PFLITSCH GmbH & Co. KG
- (6) Address: Ernst-Pflitsch-Straße 1, 42499 Hückeswagen, Deutschland
- (7) This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- (8) The Physikalisch-Technische Bundesanstalt, notified body No. 0102 in accordance with Article 17 of the Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres, given in Annex II to the Directive.
- The examination and test results are recorded in the confidential Test Report PTB Ex 19-18008.
- (9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN IEC 60079-0:2018, EN 60079-1:2014, EN 60079-7:2015+A1:2018, EN 60079-31:2014
- (10) If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use specified in the schedule to this certificate.
- (11) This EU-Type Examination Certificate relates only to the design and construction of the specified product in accordance to the Directive 2014/34/EU. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.
- (12) The marking of the product shall include the following:

 **II 2 G Ex db eb IIC Gb**
 **II 1 D Ex ta IIIC Da**

Konformitätsbewertungsstelle, Sektor Explosionsschutz
On behalf of PTB:

Braunschweig, November 11, 2019


Dr.-Ing. D. Markus
Direktor und Professor



sheet 1/4

EU-Type Examination Certificates without signature and official stamp shall not be valid. The certificates may be circulated only without alteration. Extracts or alterations are subject to approval by the Physikalisch-Technische Bundesanstalt. In case of dispute, the German text shall prevail.

(13)

SCHEDULE

(14) **EU-Type Examination Certificate Number PTB 19 ATEX 1010 , Issue: 0**

(15) Description of Product

The Adaptor type AD*****, the Reducer type RED***** and the Blind plug type BSM***** in the type of protection Flameproof enclosure "db", Increased Safety "eb" and Protection by Enclosure "ta" consists of brass or stainless steel with an O-ring for the connecting thread.

They are used for closing or adapting enclosure openings to the nominal size of cable glands.

Technical data

Size of thread	M16 to M63 NPT 3/8" to NPT 2 1/2"
Suited for devices of equipment group II with mechanical risk level	High, 7J
Mounted in enclosures with clearance holes Plastic, wall thickness Metal, wall thickness	 ≥ 2 mm ≥ 1 mm
Mounted in enclosures with threaded holes Plastic, wall thickness Metal, wall thickness	 ≥ 5 mm ≥ 3 mm
Torque see manual	Depending on the nominal size metric, NPT: 15 Nm to 80 Nm
Operating temperatures Connecting O-ring	Silicone -60 °C to +130 °C
Ingress protection	IP66, IP 68 (1h, 10 bar) in accordance with EN 60529

Thread, metric	Thread, NPT	Torque	Min. Temperature, Overpressure
M16	NPT 3/8"	15 Nm	-60 °C / 48.6 bar
M20	NPT 1/2"	20 Nm	-60 °C / 48.6 bar
M25	NPT 3/4"	30 Nm	-60 °C / 48.6 bar
M32	NPT 1"	30 Nm	-60 °C / 48.6 bar
M40	NPT 1 1/4"	35 Nm	-60 °C / 48.6 bar
M50	NPT 2"	80 Nm	-60 °C / 48.6 bar
M63	NPT 2 1/2"	80 Nm	-60 °C / 48.6 bar

sheet 2/4

EU-Type Examination Certificates without signature and official stamp shall not be valid. The certificates may be circulated only without alteration. Extracts or alterations are subject to approval by the Physikalisch-Technische Bundesanstalt. In case of dispute, the German text shall prevail.

SCHEDULE TO EU-TYPE EXAMINATION CERTIFICATE PTB 19 ATEX 1010 , Issue: 0

Nomenclature Adaptor and Reducer

AD RED	*	*	*	*	*	*	*
1	2	3	4	5	6	7	8

- 1) Type
AD = Adaptor
RED = Reducer
- 2) Type of connecting thread
2 = Metric
3 = NPT
- 3) Size of connecting thread (code number)
- 4) Size of second connecting thread of reducer (code number)
- 5) Material body
ms = brass
VA = stainless steel
- 6) EMC spring (optional)
- = no EMC spring
tri = with EMC spring
- 7) Explosion protection
Ex d = Type of protection Flameproof enclosure "db"
- 8) Additional letter for material and O-ring
V4A = stainless steel
bl = brass blank

Nomenclature Blind plug

BSM	*	*	*	*	*
1	2	3	4	5	6

- 1) Type
BSM = Blind plug
- 2) Type of connecting thread
2 = Metric
3 = NPT
- 3) Size of connecting thread (code number)
- 4) Material body
ms = brass
VA = stainless steel
- 5) Explosion protection
Ex d = Type of protection Flameproof enclosure "db"
- 6) Additional letter for material and O-ring
V4A = stainless steel
bl = brass blank

SCHEDULE TO EU-TYPE EXAMINATION CERTIFICATE PTB 19 ATEX 1010 , Issue: 0

Note

When the adaptor, reducer and blind plug are built into an enclosure in the type of protection Flameproof enclosure "d", it is recommended to include them into the explosion tests of enclosure.

(16) Test Report PTB Ex19-18008

(17) Specific conditions of use


None

(18) Essential health and safety requirements

Met by compliance with the aforementioned standards.

Konformitätsbewertungsstelle, Sektor Explosionsschutz
On behalf of PTB:

Braunschweig, November 11, 2019


Dr.-Ing. D. Markus
Direktor und Professor





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

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.