



(1) **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 09 ATEX 1002

Issue: 1

(4) Equipment: Blind plug Type Ex e * (*) * * * *, Extension Type Ex e * * * * *,
Reducer Type Ex e * * * * *, Adapter Type Ex e * * * * *

(5) Manufacturer: Pflitsch GmbH & Co. KG

(6) Address: Ernst-Pflitsch-Straße 1, 42499 Hückeswagen, Germany

(7) This equipment 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 equipment 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 24-13079.

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN IEC 60079-0:2018, 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 equipment 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 equipment in accordance to the Directive 2014/34/EU. Further requirements of the Directive apply to the manufacturing process and supply of this equipment. These are not covered by this certificate.

(12) The marking of the equipment shall include the following:



II 2G Ex eb IIC Gb



II 2D Ex tb IIIC Db

Konformitätsbewertungsstelle, Sektor Explosionsschutz
On behalf of PTB:

Braunschweig, August 15, 2024

Dr.-Ing. D. Markus
Direktor und Professor



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(13)

SCHEDULE

(14) **EU-Type Examination Certificate Number PTB 09 ATEX 1002 , Issue: 1**

(15) Description of equipment

The blind plug type Ex e * (*) * * * *, extension type Ex e * * * * *, reducer type Ex e * * * * * and adapter type Ex e * * * * * made of brass nickel plated, brass blanc, brass lead free and stainless steel are used to close or adapt enclosure openings to the nominal size of cable glands in enclosures of increased Safety "e" type of protection.

Technical data

Thread size	M12 to M80 Pg 7 to Pg 48
Suited for devices of equipment group II with mechanical risk level	High
Mounted in enclosures with clearance holes	
Plastic, wall thickness	≥ 2 mm
Metal, wall thickness	≥ 1 mm
Mounted in enclosures with threaded holes	
Plastic, wall thickness	≥ 5 mm
Metal, wall thickness	≥ 3 mm
Torque	Depending on the nominal size metric: 6 Nm to 60 Nm Pg: 6 Nm to 40 Nm
Continuous operating temperature of connecting thread sealing ring	Silicon: -60 °C to +180 °C HNBR: -20 °C to +60 °C (optional)
Protection against solid foreign objects, water and contact	IP68 in accordance with IEC 60079-0

Changes with respect to previous editions

- 1) New marking
- 2) Addition of the material brass lead-free (CuZn21Si3P)
- 3) Reassessment in accordance with EN IEC 60079-0:2018, EN 60079-7:2015 + A1:2018, EN 60079-31:2014
- 4) New sealing material for O-ring HNBR

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(16) Test Report

PTB Ex 24-13079

(17) Specific conditions of use

None

(18) Essential health and safety requirements

Met by compliance with the aforementioned standards.

According to Article 41 of Directive 2014/34/EU, EC-type examination certificates which have been issued according to Directive 94/9/EC prior to the date of coming into force of Directive 2014/34/EU (April 20, 2016) may be considered as if they were issued already in compliance with Directive 2014/34/EU. By permission of the European Commission supplements to such EC-type examination certificates and new issues of such certificates may continue to hold the original certificate number issued before April 20, 2016.