



(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 03 ATEX 1229 X**

**Issue: 1**

(4) Product: Cable gland type UNI Dicht Inch Cable gland \*\*\*\*\*

(5) Manufacturer: Pflitsch GmbH & Co. KG

(6) Address: Ernst-Pflitsch-Str. 1 – Nord 1, 42499 Hückeswagen, Germany

(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 21-10093.


(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:  
**EN IEC 60079-0:2018, EN IEC 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:

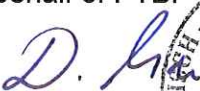
 **II 2 G Ex eb IIC Gb**

 **II 2 D Ex tb IIIC Db IP66**

Konformitätsbewertungsstelle, Sektor Explosionsschutz

Braunschweig, September 8, 2021

On behalf of PTB:

  
Dr.-Ing. D. Markus  
Direktor und Professor



ZSEx001e c

sheet 1/3

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 03 ATEX 1229 X, Issue: 1**

(15) Description of Product

The cable gland type UNI Dicht Inch Cable gland \*\*\*\*\* made of stainless steel serves to introduce multiple permanently installed cables into electrical equipment of the type of protection Increased Safety "eb".

The cable gland consists of:

- double nipple for connection to the enclosure (stainless steel)
- washer (aluminium)
- sealing insert (silicone)
- pressure screw (stainless steel)
- accessory: lock nut (stainless steel)

### Technical Data

Connection thread	G ½", ISO 266 T1
Cable diameter	<ul style="list-style-type: none"> <li>• 1 x 3.2 mm</li> <li>• 2 x 3.2 mm</li> <li>• 3 x 3.2 mm</li> <li>• 1 x 4.0 mm</li> <li>• 2 x 4.0 mm</li> </ul>
Suited for devices of equipment group II with mechanical risk level	High, 7 J
Mounted in enclosures with through hole	
Plastic, wall thickness	≥ 2 mm
Metal, wall thickness	≥ 1 mm
Mounted in enclosures with threaded hole	
Plastic, wall thickness	≥ 5 mm
Metal, wall thickness	≥ 3 mm
Service temperature range	-40 °C to +100 °C
Ingress protection	IP66 in accordance with EN 60529
Tightening torque	Double nipple: 140 Nm Pressure screw: 25 Nm

sheet 2/3

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## SCHEDULE TO EU-TYPE EXAMINATION CERTIFICATE PTB 03 ATEX 1229 X, Issue: 1

Changes with respect to previous editions

1. The product was renamed to "UNI Dicht Inch Cable gland \*\*\*\*\*".
2. The cable gland is available only with connecting thread G ½ "
3. Only the cable diameters listed in the above table may be used.
4. The service temperature range was reduced to -40 °C to +100 °C.
5. The ingress protection now covers only IP66.
6. The material of the sealing insert was changed from TPE-V to silicone.

(16) Test Report PTB Ex 21-10093

(17) Specific conditions of use

1. Only permanently wired cables may be installed. The user shall provide for the required strain relief.
2. The aluminium gasket is not secured to the cable gland. Special care needs to be taken during installation to ensure the gasket is positioned correctly

(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.

Konformitätsbewertungsstelle, Sektor Explosionsschutz  
On behalf of PTB:

Braunschweig, September 8, 2021

  
Dr.-Ing. D. Markus  
Direktor und Professor

