



(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 14 ATEX 1012**

**Issue: 2**

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

(5) Manufacturer: PFLITSCH GmbH & Co. KG

(6) Address: Ernst-Pflitsch-Straße 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 24-23153.

(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**

Konformitätsbewertungsstelle, Sektor Explosionsschutz  
On behalf of PTB:

Braunschweig, February 26, 2024

  
Dr.-Ing. D. Markus  
Direktor und Professor



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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 14 ATEX 1012 , Issue: 2**

(15) Description of Product

The cable gland type UNI Ex Clamping \* Dicht \*\*\*\*\* made of brass, nickel-plated, brass lead-free and stainless steel, serves to introduce cables into electrical apparatus of the type of protection Increased Safety "eb" or Protection by Enclosure "tb".

The cable gland consists of:

- a pressure screw with clamping device.
- double nipple with metric, Pg, inch-based or NPT connecting thread of different lengths,
- TPE sealing element with a maximum of two holes or closed
- earthing cones and earthing cones with IRIS spring.

The double nipple is available as an extended and reduced version.

The cable gland is installed in enclosures with through-holes or threaded holes. For through-holes, lock nuts are used.

### Technical Data

Size of connection thread	M25 to M80 Pg 16 to Pg 48 G 3/4" to 3" NPT 1/2" to NPT 2"
Cable diameter	6,5 mm to 70 mm
Suited for devices of equipment group II with mechanical risk level	high
Mounted in enclosures with clearance holes	≥ 2 mm
Plastic, wall thickness	≥ 1 mm
Metal, wall thickness	
Mounted in enclosures with threaded holes	
Plastic, wall thickness	≥ 5 mm
Metal, wall thickness	≥ 3 mm
Service temperature	-20 °C to +60 °C
Ingress protection	IP66 and IP68 (5 bar, 30 min) in accordance with EN 60529

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**SCHEDULE TO EU-TYPE EXAMINATION CERTIFICATE PTB 14 ATEX 1012 , Issue: 2**

Size Connection thread and head thread				Torque			Mechanical risk level
metric	Pg	Zoll	NPT	Connection thread	Head thread	Clamp ing screw	
M 25 (22553d...)	Pg 16	G 3/4"	NPT 1/2"	8 Nm	8 Nm	1 Nm	high
M 25 (22528d...)				10 Nm	10 Nm	1 Nm	high
M 32	Pg 21	G 1"	NPT 3/4"	20 Nm	20 Nm	1 Nm	high
M 40	Pg 29	G 1 1/4"	NPT 1"	30 Nm	30 Nm	1 Nm	high
M 50	Pg 36 Pg 42	G 1 1/2"	NPT 1 1/4" NPT 1 1/2"	30 Nm	30 Nm	1 Nm	high
M 63	Pg 48	G 2	NPT 2"	30 Nm	30 Nm	1 Nm	high
M75		G 2 1/2"		50 Nm	50 Nm	1 Nm	high
M80		G 3"		80 Nm	80 Nm	1 Nm	high

Nomenclature

UNI Ex Clamping	*	Dicht	*	*	*	*	*	*	*	*	*	*
1	2	3	4	5	6	7	8	9	10	11	12	13

1	Type designation	UNI Ex Clamping
2	Blank	
3	Part of type designation	Dicht
4	Type of thread	M = metric, Pg = Pg
5	Type of thread	1 = Pg / Inch, 2 = metric
6	Connecting thread (code number)	<p style="text-align: center;">Pg-thread DIN 40430</p> 53 = PG 16    56 = PG 36 54 = PG 21    57 = PG 42 55 = PG 29    58 = PG 48  <p style="text-align: center;">Metric ISO-thread EN 60423</p> 25 = M 25    63 = M 63 32 = M 32    72 = M 72 40 = M 40    75 = M 75 50 = M 50    80 = M 80
7	Head thread (code number)	Pg-thread DIN 46320 53 = PG 16    57 = PG 42 54 = PG 21    58 = PG 48 55 = PG 29    212 = 2 1/2" 56 = PG 36    300 = 3"
8	Material	st = stainless steel, d = brass, nickel-plated, LF = brass, lead-free
9	Kind of insert	Blank

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10	Cable diameter (code number):	<b>cable diameter (code number):</b> 8 = 8,0 mm – 6,5 mm 9 = 9,5 mm – 7,0 mm 11 = 10,5 mm – 8,0 mm 13 = 13,0 mm – 10,0 mm 16 = 15,5 mm – 12,0 mm 18 = 18,0 mm – 15,0 mm 21 = 21,0 mm – 18,0 mm 25 = 25,0 mm – 21,0 mm 28 = 28,0 mm – 25,0 mm 32 = 32,0 mm – 28,0 mm 34 = 34,0 mm – 30,0 mm 36 = 36,0 mm – 33,0 mm 40 = 40,0 mm – 37,0 mm 44 = 44,0 mm – 40,0 mm 47 = 47,0 mm – 43,0 mm 52 = 52,0 mm – 46,0 mm 55 = 55,0 mm – 52,0 mm 57 = 57,0 mm – 51,0 mm 58 = 58,0 mm – 55,0 mm 64 = 64,0 mm – 59,0 mm 70 = 70,0 mm – 64,0 mm
11	Blank	Blank
12	Explosion protection	ex = Ex e
13	Additional letter for material	V4A, bl, zu

Notes for operation

Degree of protection is ensured only if the seals and cable entries are properly fitted. The manufacturer's instructions must be followed.

Changes with respect to previous editions

1. New material brass lead-free for the cable gland body.
2. Re-evaluation according to EN IEC 60079-0:2018 and EN IEC 60079-7:2015/A1:2018.
3. Name changed to UNI Ex Clamping \* Dicht \*\*\*\*\* (formerly UNI Ex Klemm \* Dicht \*\*\*\*\*).

(16) Test Report PTB Ex24-23153

(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:

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