



(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: 01

(4) Product: Cable gland, type UNI Ex Klemm * 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 18-17199.

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN 60079-0:2012+A11:2013, EN 60079-7:2015, 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.

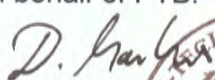
(11) This EU-Type Examination Certificate relates only to the design and construction of the specified product in accordance to the Directive 2014/34/EU. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.


(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, April 13, 2018


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: 01**

(15) Description of Product

The cable gland, type UNI Ex Klemm * Dicht ***** made of brass, nickel-plated 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

Nominal size of connecting 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 equipment of equipment group II, with mechanical hazard level:	High
Installed in equipment with through-holes Plastics, wall thickness Metal, wall thickness	≥ 2 mm ≥ 1 mm
Installed in equipment with threaded holes Plastics, wall thickness Metal, wall thickness	≥ 5 mm ≥ 3 mm
Operating temperatures	-20 °C to +60 °C
Degree of protection	IP66 and IP68 (5 bar, 30 min) in accordance with EN 60529

SCHEDULE TO EU-TYPE EXAMINATION CERTIFICATE PTB 14 ATEX 1012 , Issue: 01

Size Connecting thread and set screw				Torque			Mech. strength
Metric	Pg	Inches	NPT	Connecting thread	Set screw	Strain relief	
M 25 (22553d...)	Pg 16	G 3/4"	NPT 1/2"	8 Nm	8 Nm	1 Nm	7 J
M 25 (22528d...)				10 Nm	10 Nm	1 Nm	7 J
M 32	Pg 21	G 1"	NPT 3/4"	20 Nm	20 Nm	1 Nm	7 J
M 40	Pg 29	G 1 1/4"	NPT 1"	30 Nm	30 Nm	1 Nm	7 J
M 50	Pg 36 Pg 42	G 1 1/2"	NPT 1 1/4" NPT 1 1/2"	30 Nm	30 Nm	1 Nm	7 J
M 63	Pg 48	G 2	NPT 2"	30 Nm	30 Nm	1 Nm	7 J
M75		G 2 1/2"		50 Nm	50 Nm	1 Nm	7 J
M80		G 3"		80 Nm	80 Nm	1 Nm	7 J

Nomenclature

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

- 1: Type name
- 2: Type extension (HF, IRIS, EMV)
- 3: Part of the type name
- 4: Type extension (M, inches, NPT, Pg, multiple, metric)
- 5: Type of thread
- 6: Size of connecting thread
- 7: Size of thread of set screw
- 8: Material (st = stainless steel, d = brass, nickelised)
- 9: Type of element (m = multiple)
- 10: Sealing area or description of holes in the element
- 11: Code for earthing cones and earthing cones with IRIS spring
- 12: Explosion-protected, "ex"
- 13: Available for other additions (e.g. additional code for other stainless-steel grades)

Note: Version numbers can be left empty

Notes for operation

The degree of protection (IP66) will only be met if seals and cable glands are properly fitted. The manufacturer's instructions must be followed.

Modifications

New test according to EN 60079-7:2015.

SCHEDULE TO EU-TYPE EXAMINATION CERTIFICATE PTB 14 ATEX 1012 , Issue: 01

(16) Test Report PTB Ex 18-17199

(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.

Konformitätsbewertungsstelle, Sektor Explosionsschutz
On behalf of PTB:

Braunschweig, April 13, 2018


Dr.-Ing. D. Markus
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