



# CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

No.: 2021312313000359

**Applicant** Pflitsch GmbH & Co. KG  
**Address** Ernst-Pflitsch-Straße 1, 42499 Hückeswagen, Germany  
**Manufacturer** Pflitsch GmbH & Co. KG  
**Address** Ernst-Pflitsch-Straße 1, 42499 Hückeswagen, Germany  
**Production Factory** Pflitsch GmbH & Co. KG  
**Production Address** Ernst-Pflitsch-Straße 1, 42499 Hückeswagen, Germany  
**Product** Cable gland  
**Model/Type** UNI Ex \* Dicht \*\*\*(\*)\*\*\*\*\*(\*), UNI Ex Klemm \* Dicht \*\*\*\*\*  
**Ex marking** Ex e IIC Gb, Ex tD A21 IP66/68  
**Reference Standards** GB3836.1-2010, GB3836.3-2010, GB12476.1-2013, GB12476.5-2013

**Certification mode** Type Test + Initial Factory Inspection + Post-Certification Surveillance

The product(s) is verified and certified according to CNCA-C23-01: 2019 *China Compulsory Certification Implementation Rule on Explosion Protected Electrical Product* and CNEX-C2301-2019 *Guideline of China Compulsory Certification Implementation Rule on Explosion Protected Electrical Product*.

See Annex for the detailed product information (6 pages).

Issued on: 2022-01-19

Valid to: 2027-01-18

The validity of this certificate is maintained through the regular supervision of the issuing authority during the validity period.

Where any discrepancy arises between the English translation and the original Chinese version, the Chinese version shall prevail.

Director:



Nanyang Explosion Protected Electrical Apparatus Research Institute Co.,Ltd.



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**Product information:**

1. This certificate covers the following models:

- UNI Ex \* Dicht \*\*\*(\*)\*\*\*\*\*(\*) and UNI Ex Klemm \* Dicht \*\*\*\*\*

**Nomenclature**

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

- 1) Part of general type
- 2) Type addition (HF, IRIS, EMV)
- 3) Part of general type
- 4) Type addition (multiple metric, multiple Pg)
- 5) Type of thread (1 = Pg, 2 = metric)
- 6) Size of connection thread
- 7) Size of head thread (not used when type of thread is Pg (position 5 = 1))
- 8) Material (st = stainless steel, d = brass, nickel plated)
- 9) Sealing range or description of holes in the insert
- 10) Code for double cones and double cones with IRIS spring
- 11) Additional letter for splittable sealing inserts (geschl)
- 12) Explosion protected, "ex"
- 13) Additional letters for material (V4A, bl, tri)

UNI Ex	*	Dicht	*	*	*	(*)	*	*	*	*	*	*
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1	2	3	4	5	6	7	8	9	10	11	12	13
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- 1) Part of general type
- 2) blank
- 3) Part of general type
- 4) Pg
- 5) 1
- 6) Size of connection thread
- 7) (Size of head thread, not used)
- 8) Material (st = stainless steel, d = brass, nickel plated)
- 9) Kind of insert = blank
- 10) Maximum cable diameter
- 11) Size of double cones and double cones with IRIS spring
- 12) Explosion protected, "ex"
- 13) Additional letters for material (V4A, bl)

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

- 1) Type name
- 2) Type extension (HF, IRIS, EMV)
- 3) Part of the type name
- 4) Type extension (M, inches G, NPT, Pg)
- 5) Type of thread
- 6) Size of connecting thread

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- 7) Size of thread of set screw
- 8) Material (st = stainless steel, d = brass, nickel-plated)
- 9) Sealing area or description of holes in the element
- 10) Code for earthing cones and earthing cones with IRIS spring
- 11) Explosion-protected, "ex"
- 12) Available for other additions (e.g. additional code for other stainless-steel grades)

Technical data:

UNI Ex * Dicht ***** Size of connection thread	M12 to M80 PG 9 to PG 48 G 1/4" to 3" NPT 3/8" to NPT 2"
UNI Ex Klemm * Dicht ***** Size of connection thread	M12 to M20 Pg 7 to Pg 13.5 G 1/4" to 1/2" NPT 3/8 "
Cable diameter	5 mm to 70 mm (see operating instruction)
Suited for devices of equipment group II with mechanical risk level	Depends on the size, see table below
Tensile force	Low (25 %-rule)
Mounted in enclosures with clearance holes Plastic, wall thickness Metal, wall thickness	≥ 2 mm ≥ 1 mm

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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 (0.5MPa , 30 min)

UNI Ex * Dicht ***(*)*****(*)				Torque		Mechanical strength
Size, Connection thread and head thread						
metric	Pg	G	NPT	Connection thread	Head thread	--
M12×1.5	Pg7	G 1/4"		6Nm	6Nm	4J
M16×1.5	Pg9	G 3/8"		8Nm	8Nm	4J
M20×1.5	Pg11 Pg13.5	G 1/2"	NPT 3/8"	8Nm	8Nm	4J
M25×1.5 (22553d...)	Pg16	G 3/4"	NPT 1/2"	8Nm	8Nm	7J
M25×1.5 (22528d...)				10Nm	10Nm	7J
M32×1.5	Pg21	G 1"	NPT 3/4"	20Nm	20Nm	7J
M40×1.5	Pg29	G 1 1/4"	NPT 1"	30Nm	30Nm	7J
M50×1.5	Pg36 Pg42	G 1 1/2"	NPT 1 1/4" NPT 1 1/2"	30Nm	30Nm	7J
M63×1.5	Pg48	G 2	NPT 2"	30Nm	30Nm	7J
M75×1.5		G 2 1/2"		50Nm	50Nm	7J

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M80×2.0	G 3"	80Nm	80Nm	7J
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UNI Ex Klemm * Dicht ***** Size,				Torque			Mechanical strength
Connection thread and head thread							
metric	Pg	G	NPT	Connection thread	Head thread	Clamping device	--
M12×1.5	Pg7	G 1/4"	--	6Nm	6Nm	1Nm	4J
M16×1.5	Pg9	G 3/8"	--	8Nm	8Nm	1Nm	4J
M20×1.5	Pg11 Pg13.5	G 1/2"	NPT 3/8"	8Nm	8Nm	1Nm	4J

Ex marking: Ex e IIC Gb, Ex tD A21 IP66/68

- Producers should organize production in accordance with the technical documents approved by the certification body.
- 2. Specific conditions of safety use:
  - For UNI Ex \* Dicht \*\*\*(\*)\*\*\*\*\*(\*): only permanently wired cables may be entered. The user shall provide for the required strain relief.
  - Types with a low impact force shall be mounted into the enclosure in such a way that they are mechanically protected against impact force.
  - Degree of protection will be safeguarded only when sealing and cable entry fittings are properly fitted. The manufacturer's instructions must be followed.
  - See instruction for other information.
- 3. Certificate related report(s):
  - Type test report: CQST2011C048

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- Factory inspection report: CN2021Q010004

4. Certificate change information: None

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