



# CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

No.: 2021312313000359

<b>Applicant</b>	Pflitsch GmbH & Co. KG
<b>Address</b>	Ernst-Pflitsch-Straße 1, 42499 Hückeswagen, Germany
<b>Manufacturer</b>	Pflitsch GmbH & Co. KG
<b>Address</b>	Ernst-Pflitsch-Straße 1, 42499 Hückeswagen, Germany
<b>Production Factory</b>	Pflitsch GmbH & Co. KG
<b>Production Address</b>	Ernst-Pflitsch-Straße 1, 42499 Hückeswagen, Germany
<b>Product</b>	Cable gland
<b>Model/Type</b>	UNI Ex * Dicht ***(*)*****(*), UNI Ex Klemm * Dicht *****
<b>Ex marking</b>	Ex eb IIC Gb, Ex tb IIC Db
<b>Reference Standards</b>	GB/T 3836.1-2021, GB/T 3836.3-2021, GB/T 3836.31-2021

**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).

Initial issue date: 2022-01-19

Issued date: 2022-12-16

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:

穆大玉



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



中国认可  
产品  
PRODUCT  
CNAS C208-P

<http://www.ccc-cnex.com>  
[ccc.china-ex.com](http://ccc.china-ex.com)

Add: No. 20, North Zhongjing Road, Nanyang, Henan, P. R. China  
Tel: 0377-63239734

P.C.: 473008

Email: [ccc@cn-ex.com](mailto:ccc@cn-ex.com)

CN 0001441



# CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

## (Annex)

No.: 2021312313000359

Page 1 of 6

### 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	14

- 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) Kind of insert (m = multiple)
- 10) Sealing range or description of holes in the insert
- 11) Code for double cones and double cones with IRIS spring
- 12) Additional letter for splittable sealing inserts (geschl)
- 13) Explosion protected, "ex"
- 14) Additional letters for material (V4A, bl, tri)

Issued on: 2022-12-16

Director:

穆大玉



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



中国认可  
产品  
PRODUCT  
CNAS C208-P





# CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

## (Annex)

No.: 2021312313000359

Page 2 of 6

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

- 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	13

- 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

Issued on: 2022-12-16

Director:

*穆大玉*



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



中国认可  
产品  
PRODUCT  
CNAS C208-P



# CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

## (Annex)

No.: 2021312313000359

Page 3 of 6

- 6) Size of connecting thread
- 7) Size of thread of set screw
- 8) Material (st = stainless steel, d = brass, nickel-plated)
- 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)

### 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"
Multiple sealing component Bore diameter and distance	Bore diameter < 10 mm, distance 1 mm Bore diameter > 10 mm, distance 2 mm
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

Issued on: 2022-12-16

Director:

穆大玉



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



中国认可  
产品  
PRODUCT  
CNAS C208-P





# CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

## (Annex)

No.: 2021312313000359

Page 4 of 6

Tensile force	Low (25 %-rule)
Mounted in enclosures with clearance holes	
Plastic, wall thickness	$\geq 2 \text{ mm}$
Metal, wall thickness	$\geq 1 \text{ mm}$
Mounted in enclosures with threaded holes	
Plastic, wall thickness	$\geq 5 \text{ mm}$
Metal, wall thickness	$\geq 3 \text{ mm}$
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				Connection thread	Head thread	
metric	Pg	G	NPT			--
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

Issued on: 2022-12-16

Director:

穆大玉



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



中国认可  
产品  
PRODUCT  
CNAS C208-P



# CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

## (Annex)

No.: 2021312313000359

Page 5 of 6

M50×1.5	Pg36 Pg42	G 1 ½"	NPT 1 ¼" NPT 1 ½"	30Nm	30Nm	7J
M63×1.5	Pg48	G 2	NPT 2"	30Nm	30Nm	7J
M75×1.5	--	G 2 ½"	--	50Nm	50Nm	7J
M80×2.0	--	G 3"	--	80Nm	80Nm	7J

UNI Ex Klemm * Dicht ***** Size, Connection thread and head thread				Torque			Mechanical strength
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

Ingress Protection: IP66/IP68(0.5MPa, 30 min)

Ex marking: Ex eb IIC Gb, Ex tb IIIC Db

- 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.

Issued on: 2022-12-16

Director:



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



中国认可  
产品  
PRODUCT  
CNAS C208-P





# CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION (Annex)

No.: 2021312313000359

Page 6 of 6

- 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, CQST2011C048/01

- Factory inspection report: CN2021Q010004

4. Certificate change information:

- 1st change on December 16, 2022:

1) Updated the standards for certification.

2) Adding multiple holes sealing ring structure.

Issued on: 2022-12-16

Director:

穆大玉



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



中国认可  
产品  
PRODUCT  
CNAS C208-P