



# CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

No.: 2021312313000363

<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 Silicone ***** UNI Ex Sleeve EMC Dicht Silicone *****
<b>Ex marking</b>	Ex eb IIC Gb, Ex ta IIIC Da
<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 (7 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.



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# CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION (Annex)

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## Product information:

1. This certificate covers the following models:

- UNI Ex \* Dicht Silicone \*\*\*\*\* and UNI Ex Sleeve EMC Dicht Silicone \*\*\*\*\*

Nomenclature:

UNI EX	*	Dicht Silicone	*	*	*	*	*	*	*	*	*	*	*
1	2	3	4	5	6	7	8	9	10	11	12	13	14

- 1) Part of general type
- 2) Type edition (e.g. HF, IRIS)
- 3) Part of general type
- 4) Type edition (multiple metric, multiple Pg)
- 5) Type of connecting thread (2)
- 6) Size of connection thread
- 7) Size of head thread
- 8) Material (st = stainless steel, d = brass, nickel plated)
- 9) Kind of insert (i = silicone, m = multiple)
- 10) Sealing range
- 11) blank
- 12) blank
- 13) Explosion protected, "ex"

Issued on: 2022-12-16

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14) Additional letter (V4A, bl, tri)  
Remark: variant numbers can be unoccupied

UNI EX	Sleeve EMC	Dicht Silicone	*	*	*	*	*	*	*	*	*	*	*
1	2	3	4	5	6	7	8	9	10	11	12	13	14

- 1) Part of general type
- 2) Type edition
- 3) Part of general type
- 4) Type edition (multiple, metric)
- 5) Size of connection thread
- 6) Size of head thread
- 7) Material (st = stainless steel)
- 8) Maximum cable diameter
- 9) Flexible spring = FBS
- 10) Kind of insert (i = silicone, m = multiple)
- 11) Maximum cable diameter (multiple)
- 12) EMC connection = tri
- 13) Material of sealing insert = HTS
- 14) Explosion protected, "ex"

Remark: variant numbers can be unoccupied.

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Technical data UNI Ex \* Dicht Silicone \*\*\*\*\* :

Size, Connection thread and head thread				Torque			Mechanical strength
metric	Pg	Inch	NPT	Conne ction thread	Head thread	Clamping screw	--
M 12×1.5	Pg 7	G 1/4"	-	6 Nm	6 Nm	1 Nm	4J
M 16×1.5	Pg 9	G 3/8"	NPT 3/8"	6 Nm	6 Nm	1 Nm	4J
M 20×1.5	Pg 11 Pg 13.5	G 1/2"	NPT 3/8" NPT 1/2"	10 Nm	5 Nm standard 10 Nm flat cable 10 Nm multiple	1 Nm	7J
M 25×1.5	Pg 16	G 3/4"	NPT 1/2"	10 Nm	10 Nm	1 Nm	7J
M 32×1.5	Pg 21	G 1"	NPT 3/4"	15 Nm	15 Nm	1 Nm	7J
M 40×1.5	Pg 29	G 1 1/4"	NPT 1"	20 Nm	20 Nm	1 Nm	7J
M 50×1.5	Pg 36	G 1 1/2"	NPT 1 1/4"	30 Nm	30 Nm	1 Nm	7J

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Cable diameter	Round cable: 7.0 mm to 13.0 mm  Flat cable: size 5.9 x 12.4 mm height = 5.3 to 5.9 mm width = 10.7 to 12.4 mm  flat cable: size 7.4 x 13.0 mm height = 5.6 to 7.4 mm, width = 11.7 to 12.9 mm  Multiple cable: min. diameter 1.0 mm max. diameter 30.0 mm
Tensile force	Depends on the pressure screw used, low (25 % rule) or high
Mounted in enclosures with clearance holes Plastic, wall thickness	≥2 mm
Metal, wall thickness	≥1 mm
Mounted in enclosures with threaded holes Plastic, wall thickness	≥5mm
Metal, wall thickness	≥3mm
Service temperature	Insert for round: -55 °C to +160 °C  Insert for flat cable: -40 °C to +130 °C
Ingress protection	IP66 and IP68 (1MPa, 30 min)

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Technical data UNI Ex Sleeve EMC Dicht Silicone \*\*\*\*\*

Size of connection thread	M20 and M32
Cable diameter	
Round cable insert	12.4 mm and 17.4 mm
Multiple cable insert	Min. diameter 2.1 mm Max diameter 3.9 mm
Suited for devices of equipment group II with mechanical risk level	High, 7 J
Tensile force	Low (25 % rule)
Torque	Size M20 Adapter coupling 10 Nm Pressure screw 5 Nm Pressure screw multiple 10 Nm
	Size M32 Adapter coupling 20 Nm Pressure screw 15 Nm
Mounted in enclosures with clearance holes	
Plastic, wall thickness	≥2mm
Metal, wall thickness	≥1mm

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Mounted in enclosures with threaded holes	
Plastic, wall thickness	≥5mm
Metal, wall thickness	≥3mm
Service temperature	-60 °C to +130 °C
Ingress protection	IP66 and IP68 (1MPa, 30 min)

Ingress Protection: IP66/IP68 (1MPa, 30 min)

Ex marking: Ex eb IIC Gb, Ex ta IIIC Da

- Producers should organize production in accordance with the technical documents approved by the certification body.

2. Specific conditions of safety use:

- By using the pressure screw without a clamping device only permanently wired cables may be entered. The user shall provide for the required strain relief.
- Degree of protection IP66 / IP68 will be safeguarded only when the cable glands are properly fitted. The manufacturer's instructions must be followed.
- Types with a low impact force shall be mounted into the enclosure in such a way that they are mechanically protected against impact force.
- The cable gland is installed in enclosures with through-holes or threaded holes. For through-holes, lock nuts are used.
- See instruction for other information.

3. Certificate related report(s):

- Type test report: CQST2011C056, CQST2011C056/01
- Factory inspection report: CN2021Q010004

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4. Certificate change information:

- 1st change on December 16, 2022:

- 1) Updated the standards for certification.
- 2) Adding multiple holes sealing ring structure.

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