



# CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

No.: 2021312313000348

**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** blueglobe xx x xx xxxx xx, blueglobe TRI xx x xx xxxx xx  
blueglobe AC xxx xx x xx xxxx xx  
**Ex marking** Ex eb IIC Gb, Ex tb IIIC Db  
**Reference Standards** 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: 2021-12-26

Issued date: 2023-04-23

Valid to: 2026-12-25

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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CN 0001822





# CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

## (Annex)

No.: 2021312313000348

Page 1 of 6

### Product information:

1. This certificate covers the following models:

- blueglobe xx x xx xxxx xx, blueglobe TRI xx x xx xxxx xx , blueglobe AC xxx xx x xx  
xxxx xx

blueglobe xx x xx xxxx xx and blueglobe TRI xx x xx xxxx xx:

#### Nomenclature

blueglobe	xx	x	xx	xxxx	xx
1	2	3	4	5	6

1) Type blueglobe or blueglobe TRI

2) bg

3) Serie; length of the connection thread (2 = acc. to GB/T 17194, 8 = 15 mm)

4) Size and type of connection thread

5) Material: blueglobe (ms = nickel-plated brass; msbl = nickel bright; VA/V4A  
=stainless steel)

blueglobe TRI (ms TRI = nickel-plated brass; msbl TRI = nickel bright;  
VA/V4A TRI TRI = stainless steel)

6) Explosion protection: type of protection: Ex eb and Ex tb

Torque, degree of protection, resistance to impact and maximum sealed size of gland

Connection thread	Torque Pressure screw and double nipple	Size cable with inlet (mm)	Size cable without inlet (mm)	IP	Mechanical strength
M10×1 (only for	3Nm	3.0-2.5	6.0-3.0	IP66	4J

Issued date: 2023-04-23

Director:

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No.: 2021312313000348

Page 2 of 6

blueglobe)					
M12×1.5	4Nm-5Nm	5.0-3.0	8.0-5.0	IP66,IP68	4J
M16×1.5	8Nm	7.0-5.0	11.0-7.0	IP66,IP68	4J
M20×1.5	6Nm-10Nm	9.0-6.0	14.0-9.0	IP66,IP68	7J
M25×1.5	15Nm	16.0-12.0	20.0-16.0	IP66,IP68	7J
M32×1.5	14Nm-15Nm	20.0-16.0	25.0-20.0	IP66,IP68	7J
M40×1.5	20Nm	26.0-21.0	32.0-26.0	IP66,IP68	7J
M50×1.5	30Nm	35.0-32.0	42.0-35.0	IP66,IP68	7J
M63×1.5	35Nm	46.0-42.0	54.0-46.0	IP66,IP68	7J
M75×1.5	80Nm	58.0-55.0	65.0-58.0	IP66,IP68	7J
M85×2.0	100Nm-160Nm	70.0-66.0	77.0-70.0	IP66,IP68	7J

blueglobe AC xxx xx x xx xxxx xx:

Nomenclature

blueglobe	xxx	xx	x	xx	xxxx	xxxx	xx
1	2	3	4	5	6	7	8

1) blueglobe

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# CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

## (Annex)

No.: 2021312313000348

Page 3 of 6

- 2) size of metric adapter
- 3) bg
- 4) Series; length of the connection thread (2 = acc. to GB/T 17194, 8 = 15 mm)
- 5) Size and type of connection thread
- 6) Material (msHT = nickel-plated brass; VAHT = stainless steel)
- 7) AC for armoured cable
- 8) Explosion protection: type of protection: Ex eb and Ex tb

Torque, degree of protection, resistance to impact and maximum sealed size of gland

Connection thread and head thread	Torque Pressure screw and double nipple	Size cable without inlet (mm)	Size cable with inlet(mm)	Clamp range (mm)	IP	Mechanical strength
M20×1.5	10 Nm / 15 Nm	14.0 – 9.0	--	13.0 – 9.0	IP66, IP68	7 J
M20×1.5	10 Nm / 15 Nm	20.0 – 16.0	16.0 – 12.0	15.0 – 10.0	IP66, IP68	7 J
M25×1.5	15 Nm / 15 Nm	20.0 – 16.0	--	17.0 – 14.0	IP66, IP68	7 J
M32×1.5	25 Nm / 15 Nm	25.0 – 20.0	--	23.0 – 19.0	IP66, IP68	7 J
M32×1.5	25 Nm / 15 Nm	32.0 – 26.0	26.0 – 21.0	27.0 – 23.0	IP66, IP68	7 J
M40×1.5	20 Nm / 20 Nm	32.0 – 26.0	--	31.0 – 28.0	IP66, IP68	7 J

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## (Annex)

No.: 2021312313000348

Page 4 of 6

M50×1.5	50 Nm / 30 Nm	42.0 – 35.0	35.0 – 32.0	36.0 – 30.0	IP66, IP68	7 J
M50×1.5	50 Nm / 30 Nm	42.0 – 35.0	--	40.0 – 34.0	IP66, IP68	7 J
M63×1.5	50 Nm / 35 Nm	54.0 – 46.0	46.0 – 42.0	46.0 – 39.0	IP66, IP68	7 J
M63×1.5	50 Nm / 35 Nm	54.0 – 46.0	--	51.0 – 45.0	IP66, IP68	7 J
M75×1.5	80 Nm / 80 Nm	65.0 – 58.0	58.0 – 54.0	61.0 – 50.0	IP66, IP68	7 J
M85×2.0	100 Nm / 100 Nm	77.0 – 70.0	70.0 – 65.0	70.0 – 60.0	IP66, IP68	7 J
M85×2.0	100 Nm / 100 Nm	77.0 – 70.0	70.0 – 65.0	74.0 – 70.0	IP66, IP68	7 J

### Technical data:

Suited for devices of equipment group II with mechanical risk level	Depends on the size, see table above
Suitable for cable diameter	Depends on the size of the thread from 3 mm to 77 mm, see table above
Mounted in enclosures with clearance holes(For Ex eb, Ex tb)	
Plastic, wall thickness	≥2mm
Metal, wall thickness	≥1mm

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## (Annex)

No.: 2021312313000348

Page 5 of 6

Mounted in enclosures with threaded holes(For Ex eb, Ex tb)	
Plastic, wall thickness	≥5mm
Metal, wall thickness	≥3mm
Service temperature	-20 °C to +60 °C
Ingress protection	IP66 and IP68(1.5MPa, 1h)

Ingress Protection: IP66/IP68(1.5MPa, 1h)

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:

- Only permanently wired cables may be entered. The user shall provide 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.
- 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: CQST2011C052, CQST2011C052/01

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# CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION (Annex)

No.: 2021312313000348

Page 6 of 6

- Factory inspection report: CN2021Q010004

4. Certificate change information:

- 1st change on April 23, 2023: Updated the standards for certification.

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