



# CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

No.: 2021312313000362

**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 HT xx x xx xxxx xx  
blueglobe HT AC xxx xx x xx xxxx xxxx xx  
blueglobe HT TRI 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 (5 pages).

Initial issue date: 2022-01-18

Issued date: 2023-04-23

Valid to: 2027-01-17

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

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CN 0001823





# CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION (Annex)

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## Product information:

1. This certificate covers the following models:

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

Nomenclature:

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

- 1) Type
- 2) bg
- 3) Type of thread, 2 = series metric, 8 = series metric long
- 4) Connecting thread
- 5) Material
- 6) Ex

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

- 1) Type
- 2) Metric adapter
- 3) bg
- 4) Type of thread, 2 = series metric
- 5) Connecting thread
- 6) Material
- 7) AC for armoured cable, clamping range
- 8) Ex

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

- 1) Type
- 2) bg
- 3) Type of thread, 2 = series metric
- 4) Connecting thread
- 5) Material
- 6) Ex

### Technical data:

Size of thread	M12 to M40
Suited for devices of equipment group II with mechanical risk level	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	≥5 mm
Metal, wall thickness	≥3 mm
Torque	Depending on the nominal size, see list below metric: 5 Nm to 20 Nm
Ambient temperatures	
Insert and connecting O-ring Silicon	-55 °C to +160 °C

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Bolt	-55 °C to +90 °C
Protection against solid foreign objects, water and contact	IP66 and IP68 (1.5MPa, 1h)

### max. Torque blueglobe and blueglobe TRI

blueglobe HT and blueglobe TRI HT					
Thread	Molded inlet	Torque Pressure screw / double nipple	Cable diameter with inlet	Cable diameter without inlet	Mechanical strength
M12×1.5	X	5Nm	--	8.0-5.0	7J
M16×1.5	X	8Nm	7.0-4.0	11.0-7.0	7J
M20×1.5	X	10Nm	9.0-5.0	14.0-9.0	7J
M25×1.5	X	15Nm	16.0-11.0	20.0-16.0	7J
M32×1.5	--	15Nm	20.0-15.0	25.0-20.0	7J
M40×1.5	--	20Nm	26.0-20.0	32.0-26.0	7J
Connection thread: metric					
Note: The torque depends on the cable used and the insert seal but should not exceed the value given in the table.					

### max. Torque blueglobe AC

blueglobe HT AC for armoured cable

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Thread	Mol ded inlet	Torque Pressure screw / double nipple	Cable diameter without inlet	Cable diameter with inlet	Clamping range of AC group	Mechanical strength
M20× 1.5	X	15Nm	14.0-9.0	--	13.0-9.0	7J
M20× 1.5	X	15Nm	20.0-16.0	16.0-11.0	15.0-10.0	7J
M25× 1.5	X	15Nm	20.0-16.0	--	17.0-14.0	7J
M32× 1.5	--	15Nm	25.0-20.0	--	23.0-19.0	7J
M32× 1.5	--	15Nm	32.0-26.0	26.0-20.0	27.0-23.0	7J
M40× 1.5	--	20Nm	32.0-26.0	--	31.0-28.0	7J
Connection thread: metric						
Note: The torque depends on the cable used and the insert seal but should not exceed the value given in the table.						

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

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strain relief.

- The maximum thermal load of the cables introduced must be taken into account.
- See instruction for other information.

3. Certificate related report(s):

- Type test report: CQST2011C058, CQST2011C058/01
- Factory inspection report: CN2021Q010004

4. Certificate change information:

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

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