



CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

No.: 2021312313000426

Applicant Peppers Cable Glands Limited
Address Stanhope Road, Camberley, Surrey, GU15 3BT, United Kingdom
Manufacturer Peppers Cable Glands Limited
Address Stanhope Road, Camberley, Surrey, GU15 3BT, United Kingdom
Production Factory Peppers Cable Glands Limited
Production Address Stanhope Road, Camberley, Surrey, GU15 3BT, United Kingdom
Product Barrier Cable Glands
Model/Type LT-C*
Ex marking Ex db I Mb, Ex eb I Mb, Ex db IIC Gb, Ex eb IIC Gb, Ex nR IIC Gc, Ex ta IIIC Da
Reference Standards GB/T 3836.1-2021, GB/T 3836.2-2021, GB/T 3836.3-2021, GB/T 3836.8-2021, 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 CNEC-C2301-2019 *Guideline of China Compulsory Certification Implementation Rule on Explosion Protected Electrical Product*.

See Annex for the detailed product information (3 pages)

Initial issue date: 2021-08-17

Issued date: 2023-04-28

Valid to: 2026-08-16

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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CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

(Annex)

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Product information:

1. This certificate covers the following models:

- LT-C*

Type Code	LT-C	*
		1
1	B: Brass material S: Stainless Steel material	

The following table details typical thread sizes and cable/conduit that can be accommodated within the LT-C* Barrier Glands:

Gland Size	Standard Entry threads		Max Diameter Over Cores	Max No of Cores	Max Cable Inner Sheath mm	Typical Conduit I/D mm	Conduit Outer Sheath mm
	Metric	NPT					
20S-1	M20x1.5	½"	5.0	9	5.0	6.2-7.1	11.4-12.9
20S-2	M20x1.5	½"	7.8	20	7.8	9.8-10.3	14.2-15.6
20-1	M20x1.5	½"	10.4	35	10.4	12.1-13.0	17.0-19.1
20-2	M20x1.5	½"	12.5	40	13.3	15.8-16.3	20.8-22.3
25-1	M25 x1.5	¾"	17.8	60	18.0	20.8-21.3	26.0-27.8
32-1	M32 x1.5	1"	23.5	80	23.6	26.0-27.1	32.7-34.5
40-1	M40 x1.5	1¼"	28.8	130	31.8	34.8-35.8	41.1-43.3
50-1	M50 x1.5	2"	37.0	200	37.0	40.0-40.6	47.3-49.4
63-1	M63 x1.5	2½"	48.0	300	48.0	50.5-51.9	59.4-61.4
75-1	M75 x1.5	3"	59.3	325	59.3	62.9-63.9	72.1-74.1
75-2	M75 x1.5	3"	60.8	425	68.0	77.9-78.7	87.8-90.0

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Design option:

- 1) These glands have the option to be plated.
- 2) Parallel threaded glands with thread length reduced to 10mm are suitable for increased safety application.

The LT-C* Range of Barrier Cable Glands fitted with sealing rings, when installed in threaded holes or clearance holes with a lock nut and in accordance with the manufacturer's instructions, are capable of providing, with an enclosure on which they are fixed, an ingress protection rating of IP66 and IP68 to 100 metres for 7 days.

Ex marking: Ex db I Mb, Ex eb I Mb, Ex db IIC Gb, Ex eb IIC Gb, Ex nR IIC Gc, 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:

- These glands shall not be used in enclosures where the temperature, at the point of entry/mounting, is outside of the range -60°C to $+135^{\circ}\text{C}$.
- When required to maintain the ingress protection, parallel threaded glands will be suitably sealed using a method that is applicable to the associated equipment to which they will be attached. This will be in accordance with the relevant installation code of practice.
- The Ingress Protection rating that is required to ensure compliance with the standards used in this certificate was determined by testing the devices fitted into a representative enclosure having a smooth flat mounting surface. In practice, the interface between the male thread of the glands and their associated enclosure cannot be defined; therefore, it is the user's responsibility to ensure that the appropriate Ingress Protection level is maintained at these interfaces.
- When installed in an explosive dust atmosphere, glands that are not fitted with interface O-ring seals shall only used with enclosures that have either:
 - Parallel entries that will ensure that a minimum of 5 full threads of contact will be maintained.

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- Tapered entries that will ensure that a minimum of 3 ½ full threads of contact will be maintained.
 - These cable glands are manufactured with a cylindrical flameproof joint between the entry body and the front ferrule. This joint is not intended for repair.
 - After initial assembly, the Outer Cap shall be released to enable inspection of the Olive Seal. There shall be no gap between the Olive Seal and the Ferrule Anchor. This ensures that all internal components are correctly sited and prevents the possibility of generating a source of ignition due to the release of an internal ignition. If there is a gap between the Olive Seal and the Ferrule Anchor, the Olive Seal shall be replaced. Consult the manufacturer.
 - See instruction for other information.
3. Certificate related report(s):
- Type test report: CQST2102C007, CQST2102C007/01
 - Factory inspection report: CN2021Q010178
4. Certificate change information:
- 1st change on April 28, 2023: Updated the standards for certification.

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