



CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

No.: 2021312313000422

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 Stopper boxes
Model/Type CR-S**
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 CNEX-C2301-2019 *Guideline of China Compulsory Certification Implementation Rule on Explosion Protected Electrical Product*.

See Annex for the detailed product information (4 pages)

Initial issue date: 2021-07-26

Issued date: 2023-04-28

Valid to: 2026-07-25

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.



<http://www.ccc-cnex.com>
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Product information:

1. This certificate covers the following models:

- CR-S**

Design Options for all CR**** Range of Stopper boxes:

The entry component and conduit nut internal thread forms:

- ISO Metric to GB/T197 and GB/T2516, 6g fit (male) and 6H (female)
- NPT to ANSI/ASME B1.20.1

Alternative material of construction is as follow and denoted by letter designation in the type number:

- Brass to BS EN 12164 / BS EN 12165 / BS EN 12168 CW614N CuZn39Pb3
- Stainless Steel to EN 10088-3 grades 316S11, 316S31 316L

Additionally, all metallic materials may be surface coated to limit electrolytic reaction between dissimilar materials, providing the coating does not alter the dimensions of the component part.

The CR-S** Range of conduit stopper boxes are suitable for use with circular cables, non-circular cables or conductors carried in conduit, providing a flameproof barrier entry into enclosure. Additionally, they may be used as a line bushing for terminating flying leads or for the direct inter connection of associated enclosures.

Stopper boxes Size	Standard thread Entry		Max cable diameter	Max ϕ over cores	Max No of cores	Standard male connection thread size		Standard female connection thread size	
	Metric	NPT				Metric	NPT	Metric	NPT
20	M20×1.5	1/2"	14.0	12.5	40	M20	1/2"	M20	1/2"

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25	M25×1.5	¾"	20.0	17.8	60	M25	¾"	M25	¾"
32	M32×1.5	1"	26.3	23.5	80	M32	1"	M32	1"
40	M40×1.5	1¼"	32.2	28.8	130	M40	1¼"	M40	1¼"
50S	M50×1.5	1½"	38.2	34.2	200	M50	1½"	M50	1½"
50	M50×1.5	2"	44.1	39.4	400	M50	2"	M50	2"
63S	M63×1.5	2"	50.1	44.8	400	M63	2"	M63	2"
63	M63×1.5	2½"	56.0	50.0	425	M63	2½"	M63	2½"
75S	M75×1.5	2½"	62.0	55.4	425	M75	2½"	M75	2½"
75	M75×1.5	-	68.0*	60.8*	425	M75	3"	M75	3"
75	-	3"	68.0	60.8	425	-	3"	-	3"
80	M80×2.0	3"	72.0	64.4	425	M80	3"	M80	3"
85	M85×2.0	3"	78.0	69.8	425	M85	3"	M85	3"
90	M90×2.0	3½"	84.0	75.1	425	M90	3½"	M90	3½"
100	M100×2.0	3½"	90.0	80.5	425	M100	3½"	M100	3½"

Note: 2½" NPT thread option (Max Cable Diameter= 65.0) (Max Diameter over Cores=58.1) *

Stopper boxes: CR-S** Type

Type	C	R	-	S	*	*
					B S	F M

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B	B:Brass material
S	S:Stainless Steel material
F	F:Female conduit option
M	M:Male conduit option

The CR**** Range of Stopper Boxes, when installed with the silicone O-ring provided by the manufacturer, have an ingress protection rating of IP66 and IP68 (tested at a depth of 100 m 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:

- The stopper boxes shall not be used in enclosures where the temperature, at the point of entry/mounting, is outside of the range -60°C~+135°C.

- 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 stopper boxes 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.

- The threaded entry component threads without interface O-ring seals installed in an explosive dust atmosphere, within threaded entries, shall only be fitted into enclosures that have either:

- Parallel entries that will ensure that a minimum of 5 full threads of contact will be maintained.

- Tapered entries that will ensure that a minimum of 3½ full threads of contact will be maintained.

- See instruction for other information.

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3. Certificate related report(s):

- Type test report: CQST2107C035, CQST2107C035/01
- Factory inspection report: CN2021Q010178

4. Certificate change information:

- 1st change on April 28, 2023: Updated the standards for certification.

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