



CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

No.: 2021312313000409

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 Cable Glands
Model/Type CR-***, CR-D** & CR-O***
Ex marking See Annex
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 (7 pages)

Initial issue date: 2021-06-18

Issued date: 2023-04-30

Valid to: 2026-06-17

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:



Nanyang Explosion Protected Electrical Apparatus Research Institute Co., Ltd.



<http://www.ccc-cnex.com>
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CN 0001800



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Product information:

1. This certificate covers the following models:

- CR-***, CR-D** & CR-O***

Gland Type: CR-***

Type	C	R	-	*	*	*
				1	2	3
1	1:Neoprene Seals 2:Neoprene Seals with Lead Sheath Cable Continuity Washer 3:Silicone Seals 4:Silicone Seals with Lead Sheath Cable Continuity Washer					
2	B:Brass material S:316 Stainless Steel material					
3	R:Reduced Bore option					

Type CR-*** Cable Glands

Gland Size	Standard Entry threads		Inner Sheath Dia.		Outer Sheath Dia.		Outer Sheath Dia.(Apply to Reduced Bore option)		Armour Type/Thickness Steel wire & Tape (Universal) or Braid/Screen	
	Metric	NPT	Min	Max	Min	Max	Min	Max	Min	Max
16	M20x1.5	½"	3.4	8.4	8.4	13.5	6.7	10.3	0.15	1.25
16H	M20x1.5	½"	3.4	8.4	11.5	16.0	9.4	12.5	0.15	1.25
20S	M20x1.5	½"	7.2	11.7	11.5	16.0	9.4	12.5	0.15	1.25
20	M20x1.5	½"	9.4	14.0	15.5	21.1	12.0	17.6	0.15	1.25

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25	M25x1.5	¾"	13.5	20.0	20.3	27.4	16.8	23.9	0.15	1.6
32	M32x1.5	1"	19.5	26.3	26.7	34.0	23.2	30.5	0.15	2.0
40	M40x1.5	1 ¼"	23.0	32.2	33.0	40.6	28.6	36.2	0.2	2.0
50S	M50x1.5	1 ½"	28.1	38.2	39.4	46.7	34.8	42.4	0.2	2.5
50H	M50x1.5	1 ½"	28.1	38.2	45.7	53.2	41.1	48.5	0.2	2.5
50	M50x1.5	2"	33.1	44.1	45.7	53.2	41.1	48.5	0.3	2.5
63S	M63x1.5	2"	39.2	50.1	52.1	59.5	47.5	54.8	0.3	2.5
63H	M63x1.5	2"	39.2	50.1	58.4	65.8	53.8	61.2	0.3	2.5
63	M63x1.5	2 ½"	46.7	56.0	58.4	65.8	53.8	61.2	0.3	2.5
75S	M75x1.5	2 ½"	52.1	62.0	64.8	72.2	60.2	68.0	0.3	2.5
75H	M75x1.5	2 ½"	52.1	62.0	71.1	78.0	66.5	73.4	0.3	2.5
75	M75x1.5	3"	58.0	68.0	71.1	78.0	66.5	73.4	0.3	2.5
80	M80x2.0	3"	62.2	72.0	77.0	84.0	71.9	79.4	0.45	3.15
80H	M80x2.0	3"	62.2	72.0	79.6	90.0	75.0	85.4	0.45	3.15
85	M85x2.0	3"	69.0	78.0	79.6	90.0	75.0	85.4	0.45	3.15
90	M90x2.0	3 ½"	74.0	84.0	88.0	96.0	82.0	91.4	0.45	3.15
90H	M90x2.0	3 ½"	74.0	84.0	92.0	102.0	87.4	97.4	0.45	3.15
100	M100x2.0	3 ½"	82.0	90.0	92.0	102.0	87.4	97.4	0.45	3.15
110	M110x2.0	4"	92.0	102.0	104.0	117.0	-	-	0.45	3.15

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Gland Type: CR-D**

Type	C	R	-	D	*	*
					1	2
1	1:Neoprene Seals 2:Neoprene Seals with Lead Sheath Cable Continuity Washer 3:Silicone Seals 4:Silicone Seals with Lead Sheath Cable Continuity Washer					
2	B:Brass material S:316 Stainless Steel material					

Type CR-D** Cable Glands:

Gland Size	Standard Entry threads		Inner Sheath Dia.		Outer Sheath Dia.	Armour Type/Thickness Steel wire & Tape (Universal) or Braid/Screen	
	Metric	NPT	Min	Max		Min	Max
16	M20 x1.5	½"	3.4	8.4	16.0	0.15	1.25
20S	M20x1.5	½"	7.2	11.7	16.0	0.15	1.25
20	M20x1.5	½"	9.4	14.0	21.1	0.15	1.25
25	M25x1.5	¾"	13.5	20.0	27.5	0.15	1.6
32	M32x1.5	1"	19.5	26.3	34.0	0.15	2.0
40	M40x1.5	1¼"	23.0	32.2	40.6	0.2	2.0
50S	M50x1.5	1½"	28.1	38.2	53.2	0.2	2.5
50	M50x1.5	2"	33.1	44.1	53.2	0.3	2.5
63S	M63x1.5	2"	39.2	50.1	65.8	0.3	2.5
63	M63x1.5	2½"	46.7	56.0	65.8	0.3	2.5

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75S	M75x1.5	2½"	52.1	62.0	78.0	0.3	2.5
75	M75x1.5	3"	58.0	68.0	78.0	0.3	2.5
80	M80x2.0	3"	62.2	72.0	90.0	0.45	3.15
85	M85x2.0	3"	69.0	78.0	90.0	0.45	3.15
90	M90x2.0	3½"	74.0	84.0	102.0	0.45	3.15
100	M100x2.0	3½"	82.0	90.0	102.0	0.45	3.15

The Type CR-D** Cable Glands are formed by removing the outer cap, outer seal and outer skid washer from the CR-*** gland and fitting an alternative middle cap component. They are available in the same size, entry thread options and materials as the CR-*** cable gland.

Gland Type: CR-O***

Type	C	R	-	O	*	*	*
					1	2	3
1	1:Neoprene Seals 3:Silicone Seals						
2	B:Brass material S:316 Stainless Steel material						
3	R:Reduced Bore option						

Type CR-O*** Cable Glands

Gland Size	Standard threads	Entry	Inner Sheath Max Dia.	Outer Sheath Dia.		Outer Sheath Dia.(Apply to Reduced Bore option)		Armour Type/Thickness	
				Min	Max	Min	Max	Steel wire & Tape (Universal) or Braid/Screen	Min
16	M20x1.5	½"	11.7	8.4	13.5	6.7	10.3	0.15	1.25

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20S	M20x1.5	1/2"	11.7	11.5	16.0	9.4	12.5	0.15	1.25
20	M20x1.5	1/2"	14.0	15.5	21.1	12.0	17.6	0.15	1.25
25	M25x1.5	3/4"	20.0	20.3	27.4	16.8	23.9	0.15	1.6
32	M32x1.5	1"	26.3	26.7	34.0	23.2	30.5	0.15	2.0
40	M40x1.5	1 1/4"	32.2	33.0	40.6	28.6	36.2	0.2	2.0
50S	M50x1.5	1 1/2"	38.2	39.4	46.7	34.8	42.4	0.2	2.5
50H	M50x1.5	1 1/2"	44.1	45.7	46.7	34.8	42.4	0.3	2.5
50	M50x1.5	2"	44.1	45.7	53.2	41.1	48.5	0.3	2.5
63S	M63x1.5	2"	50.1	52.1	59.5	47.5	54.8	0.3	2.5
63H	M63x1.5	2"	56.0	52.1	59.5	47.5	54.8	0.3	2.5
63	M63x1.5	2 1/2"	56.0	58.4	65.8	53.8	61.2	0.3	2.5
75S	M75x1.5	2 1/2"	62.0	64.8	72.2	60.2	68.0	0.3	2.5
75H	M75x1.5	2 1/2"	68.0	64.8	72.2	60.2	68.0	0.3	2.5
75	M75x1.5	3"	68.0	71.1	78.0	66.5	73.4	0.3	2.5
80	M80x2.0	3"	72.0	77.0	84.0	71.9	79.4	0.45	3.15
80H	M80x2.0	3"	78.0	79.6	90.0	75.0	85.4	0.45	3.15
85	M85x2.0	3"	78.0	79.6	90.0	75.0	85.4	0.45	3.15
90	M90x2.0	3 1/2"	84.0	88.0	96.0	82.0	91.4	0.45	3.15
90H	M90x2.0	3 1/2"	90.0	88.0	96.0	82.0	91.4	0.45	3.15
100	M100x2.0	3 1/2"	90.0	92.0	102.0	87.4	97.4	0.45	3.15
110	M110 x2.0	4"	102.0	104.0	117.0	-	-	0.45	3.15

Ex marking: Ex db IIC Gb, Ex eb IIC Gb, Ex nR IIC Gc, Ex ta IIIC Da (CR-*** and CR-D**)

Ex eb IIC Gb, Ex ta IIIC Da (CR-O***)

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

2. Specific conditions of safety use:

- Glands fitted with neoprene sealing rings (black) shall not be used in enclosures where the temperature, at the point of mounting, is outside the range of -35°C to +90°C.
- Glands fitted with silicone sealing rings (white or red) shall not be used in enclosures where the temperature, at the point of mounting, is outside the range of -60°C to +180°C.
- When the gland is used with increased safety and/or dust protected equipment, the entry thread shall be suitably sealed to maintain the ingress protection rating of the associated enclosure.
- If the CR-***, CR-D** and CR-O*** types of cable glands only grip the cable sheath of the cable and do not clamp the cable armour or if they are used to terminate unarmoured, braided or screened cables, then they shall only be used for fixed installations, hence, the cables shall be effectively clamped to prevent pulling or twisting.
- The CR-*** and CR-D** cable glands, when installed in accordance with the manufacturer' s instructions and with an appropriate enclosure on which they are fixed, are capable of providing an ingress protection of IP66 and IP68 (50 metres, 7 days).
- The CR-O*** range of cable glands, when installed in accordance with the manufacturer' s instructions and with an appropriate enclosure on which they are fixed, are capable of providing an ingress protection of IP66.
- 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 3 1/2 full threads of contact will be

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maintained.

- See instruction manual for other information.

3. Certificate related report(s):

- Type test report: CQST2102C011, CQST2102C011/01

- Factory inspection report: CN2021Q010178

4. Certificate change information:

- 1st change on April 30, 2023: Updated the standards for certification.

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