



CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

No.: 2021312313000408

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 A*L**, A****, A*LC*** and A*RC***
Ex marking 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 (6 pages)

Initial issue date: 2021-06-18

Issued date: 2023-04-28

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.



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Product information:

1. This certificate covers the following models:

- A*L**, A****, A*LC*** and A*RC*** Range

The cable gland range is as follows:

Gland Type: A*L**

Type	A	*	L	*	*
		1		2	3
1	1:Neoprene Seal with Lead Sheath Cable Continuity Washer 2:Neoprene Seal 3:Silicone Seal 4:Silicone Seal with Lead Sheath Cable Continuity Washer				
2	A:Aluminium B:Brass material S:316 Stainless Steel material				
3	F:Ex db (flameproof) and Ex eb (Increased Safety) approvals E:Ex eb (Increased Safety) approval only				

Gland Type: A****

Type	A	*	*	*	*
		1	2	3	4
1	1:Neoprene Seal with Lead Sheath Cable Continuity Washer 2:Neoprene Seal 3:Silicone Seal 4:Silicone Seal with Lead Sheath Cable Continuity Washer				
2	LDS:Fixed Double seal RDC:Double seal with Rotating flexible conduit connector RDF:Double seal with rotating female thread conduit nut RDM:Double seal with Rotating male thread conduit nut				

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3	A:Aluminium B:Brass material S:316 Stainless Steel material
4	F:Ex db (flameproof) and Ex eb (Increased Safety) approvals E:Ex eb (Increased Safety) approval only

Gland Type: A*LC***

Type	A	*	LC	*	*	*
		1		2	3	4
1	1:Neoprene Seal with Lead Sheath Cable Continuity Washer 2:Neoprene Seal 3:Silicone Seal 4:Silicone Seal with Lead Sheath Cable Continuity Washer					
2	H:Single seal with fixed hose connector F:Single seal with fixed female thread conduit connector M:Single seal with fixed male thread conduit connector					
3	A:Aluminium B:Brass material S:316 Stainless Steel material					
4	F:Ex db (flameproof) and Ex eb (Increased Safety) approvals E:Ex eb (Increased Safety) approval only					

Gland Type: A*RC***

Type	A	*	RC	*	*	*
		1		2	3	4
1	1:Neoprene Seal with Lead Sheath Cable Continuity Washer 2:Neoprene Seal 3:Silicone Seal 4:Silicone Seal with Lead Sheath Cable Continuity Washer					
2	C:Single seal with rotating flexible conduit connector F:Single seal with rotating female thread conduit connector					

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	M:Single seal with rotating male thread conduit connector
3	A:Aluminium B:Brass material S:316 Stainless Steel material
4	F:Ex db (flameproof) and Ex eb (Increased Safety) approvals E:Ex eb (Increased Safety) approval only

Type A*L**, A**** (A*LDS**, A*RDF**和A*RDM**), A*LC** and A*RC*** (A*RCF**, A*RCM**)
Cable Glands

Glands size	Standard Entry Threads		Outer Sheath Dia.	
	Metric	NPT	Min	Max
12	M12 x1.5	¼"	0.9	6.0
16	M16 x1.5	3/8"	4.0	8.4
20S	M20 x1.5	½"	7.2	11.7
20	M20 x1.5	½"	9.4	14.0
25	M25 x1.5	¾"	13.5	20.0
32	M32 x1.5	1"	19.5	26.3
40	M40 x1.5	1 ¼"	23.0	32.2
50S	M50 x1.5	1 ½"	28.1	38.2
50	M50 x1.5	2"	33.1	44.1
63S	M60 x1.5	2"	39.2	50.1
63	M60 x1.5	2 ½"	46.7	56.0
75S	M75 x1.5	2 ½"	52.1	62.0
75	M75 x1.5	3"	58.0	68.0
80	M80 x2.0	3"	62.2	72.0

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85	M85 x2.0	3"	69.0	78.0
90	M90 x2.0	3 1/2"	74.0	84.0
100	M100 x2.0	3 1/2"	82.0	90.0

Type A**** (A*RDC**) and A*RC*** (A*RCC**) Cable Glands

Gland size	Standard Entry threads		Cable outer sheath dia.		Conduit size	
	Metric	NPT	Min	Max	I/D Min	O/D Max
12-1	M12 x1.5	1/4"	0.9	5.4	6.8	10.3
12-2	M12 x1.5	1/4"	0.9	6.0	10.2	14.1
12-3	M12 x1.5	1/4"	0.9	6.0	9.1	14.3
12-4	M12 x1.5	1/4"	0.9	6.0	10.9	15.8
12-5	M12 x1.5	1/4"	0.9	6.0	7.8	13.0
16-1	M16 x1.5	3/8"	4.0	8.4	10.2	14.1
16-2	M16 x1.5	3/8"	4.0	8.4	10.9	15.8
16-3	M16 x1.5	3/8"	4.0	8.4	13.0	17.1
20S-1	M20 x1.5	1/2"	7.2	11.0	13.0	17.1
20S-2	M20 x1.5	1/2"	7.2	11.7	13.9	19.3
20S-3	M20 x1.5	1/2"	7.2	11.7	14.6	20.7
20-1	M20 x1.5	1/2"	9.4	14.0	16.9	22.3
20-2	M20 x1.5	1/2"	9.4	14.0	16.9	23.8
20-3	M20 x1.5	1/2"	9.4	14.0	18.7	24.8
20-4	M20 x1.5	1/2"	9.4	14.0	20.7	28.3
20-5	M20 x1.5	1/2"	9.4	14.0	13.9	19.3

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25-1	M25 x1.5	¾"	13.5	20.0	23.7	31.3
25-2	M25 x1.5	¾"	13.5	19.0	21.1	26.8
25-3	M25 x1.5	¾"	13.5	19.0	25.0	31.3
25-4	M25 x1.5	¾"	13.5	20.0	20.7	28.3
32-1	M32 x1.5	1"	19.5	26.0	28.1	33.3
32-2	M32 x1.5	1"	19.5	26.3	30.4	40.8
32-3	M32 x1.5	1"	19.5	26.3	30.4	38.8
40-1	M40 x1.5	1¼"	23.0	32.2	36.4	46.8
40-2	M40 x1.5	1¼"	23.0	32.2	36.4	44.8
40-3	M40 x1.5	1¼"	23.0	32.2	37.6	45.3
50S-1	M50 x1.5	1½"	28.1	38.2	48.4	55.8
50-1	M50 x1.5	2"	33.1	44.1	48.4	55.8
63S-1	M63 x1.5	2"	39.2	50.1	57.5	64.8
63-1	M63 x1.5	2½"	46.7	53.6	57.5	64.8

Ex marking: 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 A*L**, A****, A*LC*** and A*RC*** Range of Cable Glands shall not be used in enclosures where the temperature at the point of entry/mounting exceeds the following.

- -35°C to +90°C for the Neoprene (black) seal variants
- -60°C to +180°C for the Silicone (white) seal variants

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- The cable entries are only suitable for fixed installations. Cables must be effectively clamped to prevent pulling or twisting.
 - The A****, A*L**, A*LC*** and A*RC* 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 and IP68 (50 metres, 7 days).
 - 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 ½ full threads of contact will be maintained.
 - See instruction manual for other information.
3. Certificate related report(s):
- Type test report: CQST2102C009, CQST2102C009/01
 - Factory inspection report: CN2021Q010178
4. Certificate change information:
- 1st change on April 28, 2023: Updated the standards for certification.

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