



CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

No.: 2021312313000406

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 E****F*, D****F and C****E*
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: 2023-04-28

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:

穆大玉



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



<http://www.ccc-cnex.com>
ccc.china-ex.com

Add: No. 20, North Zhongjing Road, Nanyang, Henan, P. R. China P.C.: 473008
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CN 0001768



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Product information:

1. This certificate covers the following models:

- E*****F*, D*****F and C*****E*

Gland Type: E*****F*

Type	E	*	*	*	*	*	F	*
		1	2	3	4	5		6
1	1:Neoprene Seal 2:Neoprene Seal with Lead Sheath Cable Continuity Washer 3:Silicone Seal 4:Silicone Seal with Lead Sheath Cable Continuity Washer							
2	U:Steel Wire Armour/Woven Steel Wire /Steel Tape/Braid W:Steel Wire Armour X:Woven Steel Wire/Steel Tape/Braid							
3	CF: Female thread conduit connector CM: Male thread conduit connector							
4	A:Aluminium material B:Brass material S:316 Stainless Steel material							
5	IE: Integral Earth							
6	R: Reduced Bore							

Gland Type: D*****F

Type	D	*	*	*	*	*	F
		1	2	3	4	5	
1	1:Neoprene Seal 2:Neoprene Seal with Lead Sheath Cable Continuity Washer 3:Silicone Seal 4:Silicone Seal with Lead Sheath Cable Continuity Washer						

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产品
PRODUCT
CNAS C208-P



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2	U:Steel Wire Armour/Woven Steel Wire/Steel Tape/Braid W:Steel Wire Armour X:Woven Steel Wire/Steel Tape/Braid
3	CF:Female thread conduit connector CM:Male thread conduit connector
4	A:Aluminium material B:Brass material S:316 Stainless Steel material
5	IE:Integral Earth

The following table size is apply to E****F* and D****F Cable Glands:

NOTES: - * Type 3 & 4 (silicone) seals on to 9.3mm diameter.
- ** The D****F gland has no outer sheath sealing, so min range is not applicable.

Gland Size	Standard Entry threads		Inner Sheath Dia.		Outer Sheath Dia.		Outer Sheath Dia.(Apply to Reduced Bore option)		Armour type /Thickness			
	Metric	NPT	Min	Max	Min**	Max	Min	Max	W-Wire armour	X-Braid & Tape	U-Wire Armour	U-Braid & Tape
16	M16x1.5	3/8"	3.5	8.4	8.4	13.5	4.9	10.0	0.9	0.15-0.35	0.8-1.25	0.2-0.8
20S	M20x1.5	1/2"	8.0	11.7	11.5	16.0	9.4	12.5	0.9-1.25	0.15-0.35	0.8-1.25	0.2-0.8
20	M20x1.5	1/2"	6.7*	14.0	15.5	21.1	12.0	17.6	0.9-1.25	0.15-0.50	0.8-1.25	0.2-0.8
25	M25x1.5	3/4"	13.0	20.0	20.3	27.4	16.8	23.9	1.25-1.6	0.15-0.50	1.25-1.6	0.2-0.8
32	M32x1.5	1"	19.0	26.3	26.7	34.0	23.2	30.5	1.6-2.0	0.15-0.55	1.6-2.0	0.3-1.2
40	M40x1.5	1 1/4"	25.0	32.2	33.0	40.6	28.6	36.2	1.6-2.0	0.2-0.6	1.6-2.0	0.3-1.2

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50S	M50x1.5	1½"	31.5	38.2	39.4	46.7	34.8	42.4	2.0 – 2.5	0.2 – 0.6	2.0 - 2.5	0.3-1.6
50H	M50x1.5	1½"	31.5	38.2	45.7	53.2	41.1	48.5	2.0 – 2.5	0.2 – 0.6	2.0 - 2.5	0.3-1.6
50	M50x1.5	2"	36.5	44.1	45.7	53.2	41.1	48.5	2.0 – 2.5	0.3 – 0.8	2.0 - 2.5	0.3-1.6
63S	M63x1.5	2"	42.5	50.1	52.1	59.5	47.5	54.8	2.5	0.3 – 0.8	2.0 - 2.5	0.3-1.6
63H	M63x1.5	2"	42.5	50.1	58.4	65.8	53.8	61.2	2.5	0.3 – 0.8	2.0 - 2.5	0.3-1.6
63	M63x1.5	2½"	49.5	56.0	58.4	65.8	53.8	61.2	2.5	0.3 – 0.8	2.0 - 2.5	0.3-1.6
75S	M75x1.5	2½"	54.5	62.0	64.8	72.2	60.2	68.0	2.5	0.3 – 1.0	2.0 - 2.5	0.5-1.6
75H	M75x1.5	2½"	54.5	62.0	71.1	78.0	66.5	73.4	2.5	0.3 – 1.0	2.0 - 2.5	0.5-1.6
75	M75x1.5	3"	60.5	68.0	71.1	78.0	66.5	73.4	2.5	0.3 – 1.0	2.0 - 2.5	0.5-1.6
80	M80x2.0	3"	62.2	72.0	77.0	84.0	71.9	79.4	3.15	0.45 – 1.0	3.15-4.0	0.5-1.6
80H	M80x2.0	3"	62.2	72.0	79.6	90.0	75.0	85.4	3.15	0.45 – 1.0	3.15-4.0	0.5-1.6
85	M85x2.0	3"	69.0	78.0	79.6	90.0	75.0	85.4	3.15	0.45 – 1.0	3.15-4.0	0.5-1.6
90	M90x2.0	3½"	74.0	84.0	88.0	96.0	82.0	91.4	3.15	0.45 – 1.0	3.15-4.0	0.5-1.6
90H	M90x2.0	3½"	74.0	84.0	92.0	102.0	87.4	97.4	3.15	0.45 – 1.0	3.15-4.0	0.5-1.6
100	M100x2.0	3½"	82.0	90.0	92.0	102.0	87.4	97.4	3.15	0.45 – 1.0	3.15-4.0	0.5-1.6

Type C****E* Cable Glands

Type	C	*	*	*	*	*	E	*
		1	2	3	4	5		6
1	1:Neoprene Seal 3:Silicone Seal							

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3	CF:Female thread conduit connector CM:Male thread conduit connector
4	A:Aluminium material B:Brass material S:316 Stainless Steel material
5	IE: Integral Earth
6	R: Reduced Bore

Gland Size	Standard threads	Entry	Inner Sheath Dia.	Outer Sheath Dia.		Outer Sheath Dia.(Apply to Reduced Bore option)		Armour type/Thickness			
	Metric	NPT	Max	Min**	Max	Min	Max	W-Wire armour	X-Braid & Tape	U-Wire Armour	U-Braid & Tape
16	M16x1.5	3/8"	8.4	8.4	13.5	4.9	10.0	0.9	0.15-0.35	0.8-1.25	0.2-0.8
20S	M20x1.5	1/2"	11.7	11.5	16.0	9.4	12.5	0.9-1.25	0.15-0.35	0.8-1.25	0.2-0.8
20	M20x1.5	1/2"	14.0	15.5	21.1	12.0	17.6	0.9-1.25	0.15-0.50	0.8-1.25	0.2-0.8
25	M25x1.5	3/4"	20.0	20.3	27.4	16.8	23.9	1.25-1.6	0.15-0.50	1.25-1.6	0.2-0.8
32	M32x1.5	1"	26.3	26.7	34.0	23.2	30.5	1.6-2.0	0.15-0.55	1.6-2.0	0.3-1.2
40	M40x1.5	1 1/4"	32.2	33.0	40.6	28.6	36.2	1.6-2.0	0.2-0.6	1.6-2.0	0.3-1.2
50S	M50x1.5	1 1/2"	38.2	39.4	46.7	34.8	42.4	2.0-2.5	0.2-0.6	2.0-2.5	0.3-1.6
50H	M50x1.5	1 1/2"	38.2	45.7	53.2	41.1	48.5	2.0-2.5	0.2-0.6	2.0-2.5	0.3-1.6

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50	M50x1.5	2"	44.1	45.7	53.2	41.1	48.5	2.0 – 2.5	0.3 – 0.8	2.0 - 2.5	0.3-1.6
63S	M63x1.5	2"	50.1	52.1	59.5	47.5	54.8	2.5	0.3 – 0.8	2.0 - 2.5	0.3-1.6
63H	M63x1.5	2"	50.1	58.4	65.8	53.8	61.2	2.5	0.3 – 0.8	2.0 - 2.5	0.3-1.6
63	M63x1.5	2½"	56.0	58.4	65.8	53.8	61.2	2.5	0.3 – 0.8	2.0 - 2.5	0.3-1.6
75S	M75x1.5	2½"	62.0	64.8	72.2	60.2	68.0	2.5	0.3 – 1.0	2.0 - 2.5	0.5-1.6
75H	M75x1.5	2½"	62.0	71.1	78.0	66.5	73.4	2.5	0.3 – 1.0	2.0 - 2.5	0.5-1.6
75	M75x1.5	3"	68.0	71.1	78.0	66.5	73.4	2.5	0.3 – 1.0	2.0 - 2.5	0.5-1.6
80	M80x2.0	3"	72.0	77.0	84.0	71.9	79.4	3.15	0.45 – 1.0	3.15-4.0	0.5-1.6
80H	M80x2.0	3"	72.0	79.6	90.0	75.0	85.4	3.15	0.45 – 1.0	3.15-4.0	0.5-1.6
85	M85x2.0	3"	78.0	79.6	90.0	75.0	85.4	3.15	0.45 – 1.0	3.15-4.0	0.5-1.6
90	M90x2.0	3½"	84.0	88.0	96.0	82.0	91.4	3.15	0.45 – 1.0	3.15-4.0	0.5-1.6
90H	M90x2.0	3½"	84.0	92.0	102.0	87.4	97.4	3.15	0.45 – 1.0	3.15-4.0	0.5-1.6
100	M100x2.0	3½"	90.0	92.0	102.0	87.4	97.4	3.15	0.45 – 1.0	3.15-4.0	0.5-1.6

Design options:

- 1) Cable glands can be fitted with multi-clamping clamp ring for all amour types. These glands, indicated with option code "U", are not available in aluminum material.
- 2) When fitted with neoprene seals the service temperature range of the glands is: -35°C to +90°C. When fitted with silicone seals the service temperature range of the glands is: -60°C to +180°C.
- 3) All gland types with parallel threaded entry threads may have a modified thread length of a minimum of 10 mm and be marked suitable only for 'Ex eb' applications.

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- 4) All gland types with parallel threaded entry threads to be manufactured with a longer than 'standard' thread length to suit the end use application.
- 5) All gland types with parallel threaded entry threads may optionally be fitted with an O-ring seal.
- 6) All cable glands may be fitted with alternative component on the rear back to allow connection of conduits.

Ex marking: E****F* & D****F: Ex db IIC Gb, Ex eb IIC Gb, Ex nR IIC Gc, Ex ta IIIC Da

C****E*: Ex eb IIC Gb, 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 Ranges of Cable Glands shall not be used in enclosures where the temperature, at the point of contact exceeds the following temperatures.
 - a) -35°C to +90°C for neoprene seal variants;
 - b) -60°C to 180°C for the silicone seal variants.
- The E****F*, D****F ranges 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 meters 7 days).
- The C****E* ranges 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

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maintained.

- tapered entries that will ensure that a minimum of 3 ½ full threads of contact will be maintained.

- If the cable glands only grip the cable sheath and do not clamp the 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.

- See instruction manual for other information.

3. Certificate related report(s):

- Type test report: CQST2102C003, CQST2102C003/01

- Factory inspection report: CN2021Q010178

4. Certificate change information:

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

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