



# 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** GB3836.1-2010, GB3836.2-2010, GB3836.3-2010, GB3836.8-2014, GB12476.1-2013, GB12476.5-2013

**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 (7 pages)

Issued on: 2021-06-18

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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CN 0000718



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## (Annex)

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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<br>2:Neoprene Seal with Lead Sheath Cable Continuity Washer<br>3:Silicone Seal<br>4:Silicone Seal with Lead Sheath Cable Continuity Washer |   |   |   |   |   |   |   |
| 2    | U:Steel Wire Armour/Woven Steel Wire /Steel Tape/Braid<br>W:Steel Wire Armour<br>X:Woven Steel Wire/Steel Tape/Braid                                       |   |   |   |   |   |   |   |
| 3    | CF: Female thread conduit connector<br>CM: Male thread conduit connector   |   |   |   |   |   |   |   |
| 4    | A:Aluminium material<br>B:Brass material<br>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<br>2:Neoprene Seal with Lead Sheath Cable Continuity Washer<br>3:Silicone Seal<br>4:Silicone Seal with Lead Sheath Cable Continuity Washer |   |   |   |   |   |   |

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|   |   |
|---|---|
| 2 | U:Steel Wire Armour/Woven Steel Wire/Steel Tape/Braid<br>W:Steel Wire Armour<br>X:Woven Steel Wire/Steel Tape/Braid |
| 3 | CF:Female thread conduit connector<br>CM:Male thread conduit connector  |
| 4 | A:Aluminium material<br>B:Brass material<br>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<br>3:Silicone Seal |   |   |   |   |   |   |   |

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|---|---|
| 2 | U:Steel Wire Armour/Woven Steel Wire/Steel Tape/Braid<br>W:Steel Wire Armour<br>X:Woven Steel Wire/Steel Tape/Braid |
| 3 | CF:Female thread conduit connector<br>CM:Male thread conduit connector  |
| 4 | A:Aluminium material<br>B:Brass material<br>S:316 Stainless Steel material  |
| 5 | IE: Integral Earth  |
| 6 | R: Reduced Bore   |

| Gland Size | Standard threads Entry |        | Inner Sheath Dia. | Outer Dia. | Sheath | Outer Sheath Dia.(Apply to Reduced Bore option) |       | Armour type/Thickness |           |           |               |
|------------|------------------------|--------|-------------------|------------|--------|---|-------|-----------------------|-----------|-----------|---------------|
|            | Metric                 | NPT    |                   |            |        | Max   | Min** | Max                   | Min       | Max       | W-Wire armour |
| 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 e' 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 d IIC Gb, Ex e IIC Gb, Ex nR IIC Gc, Ex tD A20 IP66

C\*\*\*\*E\*: Ex e IIC Gb, Ex tD A20 IP66

- 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:

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- 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.
- 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
  - Factory inspection report: CN2021Q010178
4. Certificate change information: None.

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