



# IECEx Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit [www.iecex.com](http://www.iecex.com)

Certificate No.: **IECEx CML 19.0104X** Page 1 of 3 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2019-10-10

Applicant: **Peppers Cable Glands Limited**  
Stanhope Road, Camberley, Surrey, GU15 3BT  
**United Kingdom**

Equipment: **A8\*\*, A8C\*\*, A8RC\*\*, D8X\*\*, D8XC\*\*, E8X\*\* and E8XC\*\* Range of Cable Glands**

Optional accessory:

Type of Protection: **Flameproof, Increased Safety, Dust, Restricted Breathing**

Marking: Ex db IIC Gb  
Ex eb IIC Gb  
Ex ta IIIC Da  
Ex nR IIC Gc

Approved for issue on behalf of the IECEx  
Certification Body:

**A C Smith**

Position:

**Technical Operations Director**

Signature:  
(for printed version)

Date:  
(for printed version)

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Certificate issued by:

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Unit 1, Newport Business Park  
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Ellesmere Port, CH65 4LZ  
**United Kingdom**





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Page 2 of 3

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Manufacturer: **Peppers Cable Glands Limited**  
Stanhope Road, Camberley, Surrey, GU15 3BT  
**United Kingdom**

Manufacturing  
locations:

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended

## STANDARDS :

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

[IEC 60079-0:2017](#) Explosive atmospheres - Part 0: Equipment - General requirements  
Edition:7.0

[IEC 60079-1:2014-06](#) Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"  
Edition:7.0

[IEC 60079-15:2010](#) Explosive atmospheres - Part 15: Equipment protection by type of protection "n"  
Edition:4

[IEC 60079-31:2013](#) Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"  
Edition:2

[IEC 60079-7:2017](#) Explosive atmospheres - Part 7: Equipment protection by increased safety "e"  
Edition:5.1

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

## TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Report:

[GB/CML/ExTR19.0133/00](#)

Quality Assessment Report:

[GB/CML/QAR19.0022/00](#)



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Certificate No.: **IECEx CML 19.0104X**

Page 3 of 3

Date of issue: 2019-10-10

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## **EQUIPMENT:**

Equipment and systems covered by this Certificate are as follows:

The cable glands are intended for use with flat profile cables.

Refer to Certification Annex for full equipment description.

## **SPECIFIC CONDITIONS OF USE: YES as shown below:**

1. The A8\*\*, A8C\*\*\*, A8RC\*\*, D8X\*\* , D8XC\*\*\*, E8X\*\* and E8XC\*\*\* ranges of cable glands shall not be used in enclosures where the temperature, at the point of mounting, is outside the range of -60°C to +180°C
2. The A8\*\*, A8C\*\*\*, A8RC\*\*, D8X\*\* , D8XC\*\*\*, E8X\*\* and E8XC\*\*\* of cable glands shall only be used for fixed installations, in addition, the cables must be effectively clamped to prevent pulling or twisting.
3. The A8\*\*, A8C\*\*\*, A8RC\*\*, D8X\*\* , D8XC\*\*\*, E8X\*\* and E8XC\*\*\* 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 metres 7 days).
4. 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, this is in accordance with clause 5.1.2 of EN 60079-31:2014
  - tapered entries that will ensure that a minimum of 3 ½ full threads of contact will be maintained, this is in accordance with clause 5.1.2 of EN 60079-31:2014

## **Annex:**

[Certificate Annex IECEx CML 19.0104X Issue 0.pdf](#)

**Annexe to:** IECEx CML 19.0104X Issue 0  
**Applicant:** Peppers Cable Glands Limited  
**Apparatus:** A8\*\*, A8C\*\*\*, A8RC\*\*, D8X\*\*, D8XC\*\*\*, E8X\*\* and E8XC\*\*\* Range of Cable Glands



These cable glands are intended for use with flat profile cables.

The A8\*\* may be used with any cable type where sealing and retention is required by gripping the outer sheath (this includes armoured/screened/braided cables, the armour/screen/braid being clamped inside the terminating equipment).

The D8X\*\* and E8X\*\* have an additional clamp to grip copper braid and woven steel wire armour. The D8X\*\* seals and grips the inner sheath and the E8X\*\* seals and grips the inner and outer sheaths.

Construction materials are brass, mild steel or stainless steel. In all cases, the seal materials are silicone. Glands are available in the size range 20S, 20R and 20 with an M20 x 1.5 and M25 X 1.5 metric entry thread. Alternative equivalent size entry thread forms are available. The glands have an ingress protection rating of IP66 and IP68 (50 metres 7 days).

The A8C\*\*\* model series variant to the A8\*\* series additionally provides, via an alternative cap component, male or female connection to solid rigid conduit or flexible metallic conduit The A8RC\*\* model series variant to the A8\*\* series additionally provides, via an alternative compression bush component, male connection to galvanised steel or stainless steel, unsheathed or protective sheathed, flexible metallic conduit.

The D8XC\*\*\* model series variant to the D8X\*\* series additionally provide via an alternative cap component, male or female connection to solid rigid conduit or flexible metallic conduit.

The E8XC\*\*\* model series variant to the E8X\*\* series additionally provide, via an alternative cap component, male or female connection to solid rigid conduit or flexible metallic conduit.

Gland Type:	A8**			
Available Part No's.:	A	8	*	*
			B	F
			S	E
Options:	B	Brass material		
	S	316 Stainless Steel material		
	F	Dual certified d (flameproof) & e (increased safety)		
	E	Certified e (increased safety) only		

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Gland Type: A8C\*\*\*

Available Part No's.: A 8 C \* \* \*

F B F

M S E

Options:

F Female conduit connector

M Male conduit connector

B Brass material

S 316 Stainless Steel material

F Dual certified d (flameproof) & e (increased safety)

E Certified e (increased safety) only

Type A8\*\*/A8C\*\*\* Cable Glands

Gland Size	Standard Entry Threads		Outer Sheath Data			
	Metric	NPT	Min		Max	
			A	B	A	B
20S	M20	½"	6.3	4.0	11.7	7.0
20	M20	½"	10.3	5.6	13.5	9.0
20R	M20	½"	8.1	5.8	13.5	6.2
25	M25	¾"	10.6	4.0	16.2	7.0

Gland Type: A8RC\*\*

Available Part No's.: A 8 R C \* \*

B F

S E

Options:

B Brass material

S 316 Stainless Steel material

F Dual certified d (flameproof) & e (increased safety)

E Certified e (increased safety) only



Type A8RC\*\* Cable Glands:

Gland Size	Standard Entry Threads		Outer Sheath and Conduit Data					
	Metric	NPT	Cable Sheath Data				Conduit Data	
			Min		Max		Typical Conduit ID	Max Conduit OD
			A	B	A	B		
20S-1	M20	1/2"	6.3	4.0	11.2	7.0	13.0	17.1
20S-2	M20	1/2"	6.3	4.0	11.7	7.0	15.0	19.3
20S-3	M20	1/2"	6.3	4.0	11.7	7.0	16.9	21.5
20-1	M20	1/2"	10.3	5.6	11.2	9.0	13.0	17.1
20-2	M20	1/2"	10.3	5.6	13.5	9.0	15.0	19.3
20-3	M20	1/2"	10.3	5.6	13.5	9.0	16.9	21.5
20R-1	M20	1/2"	8.1	5.8	11.2	6.2	13.0	17.1
20R-2	M20	1/2"	8.1	5.8	13.5	6.2	15.0	19.3
20R-3	M20	1/2"	8.1	5.8	13.5	6.2	16.9	21.5
25-1	M25	3/4"	10.6	4.0	16.2	7.0	16.9	23.8
25-2	M25	3/4"	10.6	4.0	16.2	7.0	18.7	24.8
25-3	M25	3/4"	10.6	4.0	16.2	7.0	21.1	26.8
25-4	M25	3/4"	10.6	4.0	16.2	7.0	20.7	27.8

Gland Type: D8X\*\*

Available Part No's.: D 8 X \* \*  
 B F  
 S E

Options: B Brass material  
 S 316 Stainless Steel material  
 F Dual certified d (flameproof) & e (increased safety)  
 E Certified e (increased safety) only



Gland Type: D8XC\*\*\*

Available Part No's.: D 8 X C \* \* \*

F B F  
M S E

- Options:
- F Female conduit connector
  - M Male conduit connector
  - B Brass material
  - S 316 Stainless Steel material
  - F Dual certified d (flameproof) & e (increased safety)
  - E Certified e (increased safety) only

Type D8X\*\*/D8XC\*\*\* Cable Glands:

Gland Size	Standard Entry Threads		Inner Sheath Range				Outer Sheath Range				Armour Wire Dia.	
			Min		Max		Min		Max			
	Metric	NPT	A	B	A	B	A	B	A	B	Min	Max
20S	M20	1/2"	6.3	4.0	11.7	7.0	7.9	4.5	11.7	7.0	0.1	0.3
20	M20	1/2"	10.3	5.6	13.5	9.0	11.0	4.5	13.5	9.0	0.1	0.3
20R	M20	1/2"	8.1	5.8	13.5	6.2	10.7	5.4	16.1	8.3	0.1	0.3

Note: A = width and B = thickness

Gland Type: E8X\*\*

Available Part No's.: E 8 X \* \*

B F  
S E

- Options:
- B Brass material
  - S 316 Stainless Steel material
  - F Dual certified d (flameproof) & e (increased safety)
  - E Certified e (increased safety) only



Gland Type: E8XC\*\*\*

Available Part No's.: E 8 X C \* \* \*

F B F  
M S E

- Options:
- F Female conduit connector
  - M Male conduit connector
  - B Brass material
  - S 316 Stainless Steel material
  - F Dual certified d (flameproof) & e (increased safety)
  - E Certified e (increased safety) only

Type E8X\*\*/E8XC\*\*\* Cable Glands:

Gland Size	Standard Entry Threads		Inner Sheath Range				Outer Sheath Range				Armour Wire Dia.	
			Min		Max		Min		Max			
	Metric	NPT	A	B	A	B	A	B	A	B	Min	Max
20S	M20	½"	6.3	4.0	11.7	7.0	7.9	4.5	11.7	7.0	0.1	0.3
20	M20	½"	10.3	5.6	13.5	9.0	11.0	4.5	13.5	9.0	0.1	0.3
20R	M20	½"	8.1	5.8	13.5	6.2	10.7	5.4	16.1	8.3	0.1	0.3

Note: A = width and B = thickness

Note:

The A8\*F has now been split into design variants within A8\*\* model number series.

The A8C\*\*F has now been split into design variants within A8C\*\*\* model number series.

The A8RC\*\* model number series has been introduced.

The D8X\*F has now been split into design variants within the D8X\*\* model number series.

The D8XC\*\* model number series has been introduced.

The E8X\*F has now been split into design variants within the E8X\*\* model number series.

The E8XC\*\*\* model number series has been introduced

**Notes:**

- Sira 01ATEX1270X, Sira 09ATEX1221X and IECEx SIR 05.0020X are superseded by certificates CML 19ATEX1346X, CML 19ATEX4109X and IECEx CML 19.0104X.



- The product covered by Issue 0 of this certificate remains identical to that previously covered by Sira 01ATEX1270X, Sira 09ATEX1221X and IECEx SIR 05.0020X.
- Where Sira 01ATEX1270X and/or Sira 09ATEX1221X and/or IECEx SIR 05.0020X is specified in other product certification, or other technical specifications, this certificate reference for the product shall be used in its place; updating of the other product certificate or technical specification is not required.