



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEX Scheme visit www.iecex.com

Certificate No.: **IECEX SIR 05.0020X** issue No.:3
Status: **Current**
Date of Issue: **2014-08-19** Page 1 of 4

Certificate history:
Issue No. 3 (2014-8-19)
Issue No. 2 (2012-12-19)
Issue No. 1 (2007-11-21)
Issue No. 0 (2005-9-8)

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

Electrical Apparatus: **A8**, A8C***, A8RC**, D8X**, D8XC***, E8X** and E8XC*** Cable Gland Ranges**
Optional accessory:

Type of Protection: **Flameproof, Increased Safety and Dust**

Marking: Ex d IIC Gb
Ex e IIC Gb
Ex ta IIIC Da
or
Ex e IIC Gb

Approved for issue on behalf of the IECEX
Certification Body:

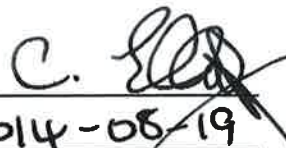
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Position:

Deputy Certification Manager

Signature:
(for printed version)

Date:



2014-08-19

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the [Official IECEX Website](http://www.iecex.com).

Certificate issued by:

SIRA Certification Service
Rake Lane
Eccleston
Chester
CH4 9JN
United Kingdom

sira
CERTIFICATION



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

Additional Manufacturing location
(s):

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 electrical apparatus 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 : 2011 Edition: 6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-1 : 2007-04 Edition: 6	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
IEC 60079-31 : 2008 Edition: 1	Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure 't'
IEC 60079-7 : 2006-07 Edition: 4	Explosive atmospheres - Part 7: Equipment protection by increased safety "e"

*This Certificate **does not** indicate compliance with electrical 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

IECEx ATR:
UK/SIR/05/R53L11932A
GB/SIR/ExTR07.0132/00
GB/SIR/QAR06.0018/04, GB/SIR/QAR06.0018/05

File Reference:
GB/SIR/QAR06.0018/00
GB/SIR/ExTR12.0253/00
GB/SIR/ExTR14.0197/00



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

All cable gland families and stopper box ranges manufactured by Pepper's Cable Gland's Limited have type code designations. These are shown in a matrix detailed in the manufacturer's documents, they are also shown in the manufacturer's instruction leaflets for the end user. These codes are unique to each and every cable gland and stopper box, and identify the various design options applicable to each cable gland family and stopper box range. A full description of the A8**, A8C***, A8RC**, D8X**, D8XC***, E8X** and E8XC***, Cable Gland Ranges can be found in the Annexe to this Certificate.

Conditions of manufacture

The Manufacturer shall comply with the following:

1. These products shall only be marked with the references that appear in this Issue of the certificate and any subsequent revisions.

CONDITIONS OF CERTIFICATION: YES as shown below:

1. These ranges of cable glands are certified with one specific size of FLP sealing ring per gland size as supplied.
2. 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.
3. The A8**, A8C***, A8RC**, D8X**, D8XC***, E8X** and E8XC*** range of cable glands shall only be used for fixed installations, in addition, the cables must be effectively clamped to prevent pulling or twisting.
4. The interface between the male thread of the products and their associated enclosure cannot be defined. Therefore, it is the user's responsibility to ensure that the appropriate ingress protection level is maintained at these interfaces.
5. 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).
6. Where glands without sealing rings are installed in protection by enclosure (Ex t) equipment for use in explosive dust atmospheres, they may only be fitted into enclosures offering a minimum of 5 full threads, in accordance with IEC 60079-31:2008 clause 5.1.1.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

Refer to Issue 1 for previous changes.	
Issue 2 – this Issue introduced the following changes:	
1	Following appropriate reassessment to demonstrate compliance with the requirements of the latest editions of the IEC 60079 series of standards, the documents previously listed in section 9, IEC 60079-0:2004, IEC 60079-1:2001, IEC 60079-7:2001, IEC 61241-0:2004 and IEC 61241-1:2004 were replaced by those currently listed, the markings were updated accordingly and the special condition for safe use was amended to recognise the new standards.
2	Type of protection Ex t is upgraded from EPL Db to EPL Da. Following appropriate reassessment to demonstrate compliance with the additional requirements for Ex ta, the markings were updated accordingly.
3	The description has been amended to recognise that the A8*F has now been split into two part numbers, the A8*F and A8C**F. The A8C**F cable glands provide a female or male thread for the connection of threaded equipment. These ranges may be used with any cable type where sealing and retention is required by gripping the outer sheath.
4	The introduction of an alternative silicone seal material was approved.
5	The 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).
6	The metric interface thread M25 x 1.5 metric has been added to the product description.
Issue 3 – this Issue introduced the following changes:	
1.	The introduction type A8RC**, D8XC*** and E8XC*** model series.
2.	Due to the introduction of new model designs the main product nomenclature model designations were revised.
3.	The Description of Equipment was revised in full to clarify the latest model designations, it also describes the equipment in its current format. The reader is therefore advised to refer to previous Issues of this certificate to access information that is relevant to existing products.
4.	The certification conditions were revised to take into account the introduction of the new model designs and resultant new main product nomenclature model designations.
5.	Removal of drawing number PCG/ATX/4MR from the certification documentation, being replaced by PCG/ATX/4MF.
6.	Additional minor alterations to certified drawings.
7.	A Condition of Manufacture was introduced.
8.	It was recognised that products with an entry body that has a shorter threaded spigot can be marked for 'Ex e' only, the marking was amended accordingly.

Annexe to: IECEx SIR 05.0020X Issue 3

Applicant: Peppers Cable Glands Limited
Electrical Apparatus: A8**, A8C***, A8RC**, D8X**, D8XC***, E8X** and E8XC*** Cable Gland Ranges

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	S	*	*
			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:	A8C***					
Available Part No's.:	A	S	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				

Annexe to: IECEx SIR 05.0020X Issue 3

Applicant: Peppers Cable Glands Limited
Electrical Apparatus: A8**, A8C***, A8RC**, D8X** , D8XC***, E8X** and E8XC*** Cable Gland Ranges



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

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

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

Annexe to: IECEx SIR 05.0020X Issue 3

Applicant: Peppers Cable Glands Limited
Electrical Apparatus: A8**, A8C***, A8RC**, D8X**, D8XC***,
E8X** and E8XC*** Cable Gland Ranges



Gland Type:	E8XC***						
Available Part No's.:	E	S	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					

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.