



1     **TYPE EXAMINATION CERTIFICATE**

2     Equipment intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU

3     Certificate Number:     **Sira 09ATEX1221X**                             Issue:     **6**

4     Equipment:             **Cable Glands**  
                                  (Refer to Description of Equipment for specific types)

5     Applicant:             **Peppers Cable Glands Limited**

6     Address:               Stanhope Road  
                                 Camberley  
                                 Surrey GU15 3BT  
                                 UK

7     This equipment and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

8     CSA Group Netherlands B.V. certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design of Category 3 equipment intended for use in potentially explosive atmospheres given in Annex II to the Directive.

      The examination and test results are recorded in the confidential reports listed in Section 14.2.

9     Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule to this certificate, has been assured by compliance with the following documents:

      EN 60079-0:2012

      EN 60079-15:2010

10    If the sign 'X' is placed after the certificate number, it indicates that the equipment is subject to Specific Conditions of Use identified in the schedule to this certificate.

11    This Type Examination Certificate relates only to the design of the specified equipment, and not to specific items of equipment subsequently manufactured. If applicable, further requirements of this Directive apply to the manufacture and supply of this equipment.

12    The marking of the equipment shall include the following:



      II 3G  
      Ex nR IIC Gc

Project Number     1174

Signed: 

Title: Director of Operations

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## SCHEDULE

### TYPE EXAMINATION CERTIFICATE

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#### 13 DESCRIPTION OF EQUIPMENT

##### TYPE CR-\*\*\* and CR-D\*\* Cable Glands

The Type CR-\*\*\* and CR-D\*\* may be supplied in gland sizes 16 to 100, with entry thread sizes M20 to M100 or with the equivalent size NPT, NPSM, BSPP, BSPT, PG or ET entry thread forms. They are intended for use with effectively filled and circular armoured, unarmoured, braided or screened sheathed cables and comprise the following components:

- An entry component
- An elastomeric inner sealing ring
- A metal inner skid washer
- A compression nut
- An armour clamping cone
- A tapered clamp ring
- A middle nut
- An elastomeric outer sealing ring
- A nylon outer skid washer
- A back nut

Assembly options are described by the following designations:

Gland Type: **CR-\*\*\***

Available Part No's.:	<b>C</b>	<b>R</b>	<b>*</b>	<b>*</b>	<b>*</b>
			1	B	R
			2	S	
			3		
			4		

Options:	1	Neoprene Seals
	2	Neoprene Seals with Lead Sheath Cable Continuity Washer
	3	Silicone Seals
	4	Silicone Seals with Lead Sheath Cable Continuity Washer
	B	Brass material
	S	316 Stainless Steel material
	R	Reducer Bore option

Gland Type: **CR-D\*\***

Available Part No's.:	<b>C</b>	<b>R</b>	<b>D</b>	<b>*</b>	<b>*</b>
				1	B
				2	S
				3	
				4	

Options:	1	Neoprene Seal
	2	Neoprene Seal with Lead Sheath Cable Continuity Washer
	3	Silicone Seal

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4	Silicone Seal with Lead Sheath Cable Continuity Washer
B	Brass material
S	316 Stainless Steel material

#### Type CR-D\*\* Cable Glands

Type CR-D\*\* cable glands are formed by removing the outer cap, outer seal and outer skid washer from the CR-\*\*\* gland and fitting an alternative middle cap component. They are available in the same sizes, entry thread options and materials as the CR-\*\*\* cable gland.

#### A8\*\* A8C\*\*\* A8RC\*\* D8X\*\* D8XC\*\*\* E8X\*\* E8XC\*\*\* 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.:

<b>A</b>	<b>8</b>	*	*
		B	F
		S	E

Options:

B Brass material

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S	316 Stainless Steel material
F	Dual certified d (flameproof) & e (reased safety)
E	Certified e (reased safety) only

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Gland Type: **A8C\*\*\***

Available Part No's.:	<b>A</b>	<b>8</b>	<b>C</b>	<b>*</b>	<b>*</b>	<b>*</b>
				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 (reased safety)
	E	Certified e (reased safety) only

Gland Type: **A8RC\*\***

Available Part No's.:	<b>A</b>	<b>8</b>	<b>R</b>	<b>C</b>	<b>*</b>	<b>*</b>
					B	F
					S	E

Options:	B	Brass material
	S	316 Stainless Steel material
	<b>F</b>	Dual certified d (flameproof) & e ( reased safety)
	<b>E</b>	Certified e ( reased 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 (reased safety)
	E	Certified e (reased safety) only

Gland Type: **D8XC\*\*\***

Available Part No's.:	<b>D</b>	<b>8</b>	<b>X</b>	<b>C</b>	<b>*</b>	<b>*</b>	<b>*</b>
					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 (reased safety)
	E	Certified e (reased safety) only

Gland Type: **E8X\*\***

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Available Part No's.:	<b>E</b>	<b>8</b>	<b>X</b>	<b>*</b>	<b>*</b>
				<b>B</b>	<b>F</b>
				<b>S</b>	<b>E</b>
Options:	<b>B</b>	Brass material			
	<b>S</b>	316 Stainless Steel material			
	<b>F</b>	Dual certified d (flameproof) & e (reased safety)			
	<b>E</b>	Certified e (reased safety) only			

Gland Type: **E8XC\*\*\***

Available Part No's.:	<b>E</b>	<b>8</b>	<b>X</b>	<b>C</b>	<b>*</b>	<b>*</b>	<b>*</b>
					<b>F</b>	<b>B</b>	<b>F</b>
					<b>M</b>	<b>S</b>	<b>E</b>
Options:	<b>F</b>	Female conduit connector					
	<b>M</b>	Male conduit connector					
	<b>B</b>	Brass material					
	<b>S</b>	316 Stainless Steel material					
	<b>F</b>	Dual certified d (flameproof) & e (reased safety)					
	<b>E</b>	Certified e (reased 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.

#### **E\*\*\*\*F\* & D\*\*\*\*F Cable Glands**

The E\*\*\*\*F\* and D\*\*\*\*F ranges of cable glands are intended for use with effectively filled and circular armoured, unarmoured, braided, tape or screened sheathed cables. Each comprises a threaded entry body, elastomeric sealing ring, armour cone, clamp ring and compression cap. The entry body is available with an optional outer deluge seal or an integral earthing clamp. D\*\*\*\*F glands have a single flameproof seal and the E\*\*\*\*F\* glands have a double seal arrangement of flameproof and outer IP seal with extra compression cap and skid washer to suit. Seals are available in silicone or neoprene. Each gland type is available with an optional integral earth clamp arrangement on the entry body.

Glands are available in the size range 16 to 100 with ISO metric entry threads of M16 to M100 respectively. Alternative thread forms and sizes ISO metric, NPT, NPSM, BSPT, BSPP, PG and ET are available.

Assembly options are described by the following designations:



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Gland Type: **E\*\*\*\*F\***

Available Part No's.:	<b>E</b>	*	*	*	*	<b>F</b>	*
		1	W	A	IE		R
		2	X	B			
		3		S			
		4					

Options:

1	Neoprene Seals
2	Lead Sheath Cable Continuity Washer
3	Silicone Seal
4	Silicone Seal with Lead Sheath Cable Continuity Washer
W	Steel Wire Armour option
X	SWA/Woven Steel Wire/ Steel Tape/ Braid
A	Aluminium material
B	Brass material
S	316 Stainless Steel material
IE	Integral Earth option
R	Reduced Bore option

Gland Type: **D\*\*\*\*F**

Available Part No's.:	<b>D</b>	*	*	*	*	<b>F</b>
		1	W	A	IE	
		2	X	B		
		3		S		
		4				

Options:

1	Neoprene Seals
2	Lead Sheath Cable Continuity Washer
3	Silicone Seal
4	Silicone Seal with Lead Sheath Cable Continuity Washer
W	Steel Wire Armour option
X	SWA/Woven Steel Wire/ Steel Tape/ Braid
A	Aluminium material
B	Brass material
S	316 Stainless Steel material
IE	Integral Earth option

#### **Type A\*\*\*\*, A\*L\*\*, A\*LC\*\*\* and A\*RC\*\*\* Cable Glands**

The type A\*\*\*\*, A\*L\*\*, A\*LC\*\*\* and A\*RC\*\*\* range of cable glands is intended for use 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). Construction materials are brass, mild steel, stainless steel or aluminium alloy. Glands are available in a single or double seal configuration and utilise a silicone or neoprene seal. The single seal configuration is available with a compression nut, which will accept either male or female conduit.

Glands are available in the size range 12 to 100 mm with ISO metric entry threads of M12 to M100 respectively. Alternative thread forms are available.

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Assembly options are described by the following designations:

Gland Type: **A\*L\*\***

Available Part No's.:	A	*	L	*	*
		1		B	F
		2		S	E
		3		A	
		4			

Options:	1	Neoprene Seal with Lead Sheath Cable Continuity Washer
	2	Neoprene Seal
	3	Silicone Seal
	4	Silicone Seal with Lead Sheath Cable Continuity Washer
	A	Aluminium
	B	Brass material
	S	316 Stainless Steel material
	F	Ex d (flameproof) and Ex e (reased Safety) approvals
	E	Ex e (reased Safety) approval only

Gland Type: **A\*\*\*\***

Available Part No's.:	A	*	*	*	*
		1	LDS	A	F
		2	RDC	B	E
		3	RDF	S	
		4	RDM		

Options:	1	Neoprene Seal with Lead Sheath Cable Continuity Washer
	2	Neoprene Seal
	3	Silicone Seal
	4	Silicone Seal with Lead Sheath Cable Continuity Washer
	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
	A	Aluminium
	B	Brass material
	S	316 Stainless Steel material
	F	Ex d (flameproof) and Ex e (reased Safety) approvals
	E	Ex e (reased Safety) approval only

Gland Type: **A\*LC\*\*\***

Available Part No's.:	A	*	LC	*	*	*
		1		H	A	F
		2		F	B	E
		3		M	S	
		4				

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Options:	1	Neoprene Seal with Lead Sheath Cable Continuity Washer
	2	Neoprene Seal
	3	Silicone Seal
	4	Silicone Seal with Lead Sheath Cable Continuity Washer
	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
	A	Aluminium
	B	Brass material
	S	316 Stainless Steel material
	F	Ex d (flameproof) and Ex e (reased Safety) approvals
	E	Ex e (reased Safety) approval only

Gland Type: **A\*RC\*\*\***

Available Part No's.:	<b>A</b>	<b>*</b>	<b>RC</b>	<b>*</b>	<b>*</b>	<b>*</b>
		1		C	A	F
		2		F	B	E
		3		M	S	
		4				

Options:	1	Neoprene Seal with Lead Sheath Cable Continuity Washer
	2	Neoprene Seal
	3	Silicone Seal
	4	Silicone Seal with Lead Sheath Cable Continuity Washer
	C	Single seal with rotating flexible conduit connector
	F	Single seal with rotating female thread conduit connector
	M	Single seal with rotating male thread conduit connector
	A	Aluminium
	B	Brass material
	S	316 Stainless Steel material
	F	Ex d (flameproof) and Ex e (reased Safety) approvals
	E	Ex e (reased Safety) approval only

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**Variation 1** - This variation introduced the following change:

- i. The introduction of the size 110 to the Type CR\*\*\*\* Cable Glands as approved.

**Variation 2** - This variation introduced the following changes:

- i. Following appropriate reassessment to demonstrate compliance with the requirements of the latest editions of the EN/IEC 60079 series of standards, the documents previously listed in section 9, EN 60079-0:2006 and EN 60079-15:2005, were replaced by those currently listed, EN 61241-0:2006 and EN 61241-1:2004 were removed from the certificate, the markings were updated accordingly, the Special Conditions for Safe Use were also amended.
- ii. The use of Aluminium as a material of construction for cable gland types E\*\*\*\*F\* and D\*\*\*\*F was approved.
- iii. The introduction of an alternative silicone and neoprene seal material was endorsed.
- iv. The size range of the A\*\*\*\*, A\*L\*\*, A\*LC\*\*\* and A\*RC\* has been extended to include size 12 glands.
- v. Introduction of conduit fittings to the A\*\*\*\*, A\*L\*\*, A\*LC\*\*\* and A\*RC\* range. The gland may be connected to rigid or flexible conduit.
- vi. 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.
- vii. The service temperature range of the glands fitted with a neoprene seal was extended to -35°C to +90°C.
- viii. The C\*\*L\*\*E glands have been removed from the scope of the certificate.
- ix. The CR barrier glands have been removed from the scope of the certificate. The description is modified to remove Barrier Glands and Stopper Boxes from the title. The CR barrier glands are now detailed in certificate SIRA 09ATEX4124X.

**Variation 3** - This variation introduced the following changes:

- i. The introduction type A8RC\*\*, D8XC\*\*\* and E8XC\*\*\* model series.
- ii. Due to the introduction of new model designs the main product nomenclature model designations were revised.
- iii. The Description of the A8\*\* A8C\*\*\* A8RC\*\* D8X\*\* D8XC\*\*\* E8X\*\* E8XC\*\*\* Cable Glands was revised in full to clarify the latest model designations, it also describes the equipment in its current format and a Condition of Certification was introduced. The reader is therefore advised to refer to previous Issues of this certificate to access information that is relevant to existing products.
- iv. The certification conditions were revised to take into account the introduction of the new model designs and resultant new main product nomenclature model designations.
- v. Removal of drawing number PCG/ATX/4MR from the certification documentation, being replaced by PCG/ATX/4MF.
- vi. Additional minor alterations to certified drawings.
- vii. The ATEX marking was clarified.

**Variation 4** - This variation introduced the following changes:

- i. The introduction of a M25 cable gland (gland size 25) within the existing type A8\*\* and A8C\*\*\* cable gland series inclusive of all their current design options.

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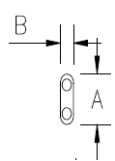
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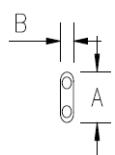
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Gland size	Outer sheath dimensions			
	A		B	
	Min.	Max.	Min.	Max.
25	10.6	16.2	4.0	7.0

- ii. The introduction of M25 cable gland (gland size 25-1, 25-2, 25-3, 25-4) within the existing type A8RC\*\* cable gland series inclusive of all current design options. Whilst correcting typographically correcting the maximum conduit O/D for M20 cable gland (gland sizes 20S-3, 20-3 & 20R-3) from 22.3 mm to 21.5 mm.



Gland size	Cable dimensions				Typical Conduit data	
	A		B		I/D	O/D max
	Min.	Max.	Min.	Max.		
25-1	10.6	16.2	4.0	7.0	16.9	23.8
25-2	10.6	16.2	4.0	7.0	18.7	24.8
25-3	10.6	16.2	4.0	7.0	21.1	26.8
25-4	10.6	16.2	4.0	7.0	20.7	27.8

- iii. To permit a reduction on the internal radius of the 'Entry Body' component, drawing number PCG/ATX/1M from 2.0 mm to 1.0 mm.
- iv. To permit an increase of the female conduit connection thread by 2.0mm.
- v. To permit the use of alternative female and male conduit connection thread forms for cable gland series A\*CF\*\* and A\*CM\*\* respectively. Whilst permitting the thread types of all threads to be larger or smaller than the standard sizes as detailed on drawing numbers PCG/ATX/12MF and PCG/ATX/12MM.
- vi. The recognition of minor drawing modifications; these amendments are administrative or involve changes to components and design that do not affect the aspects of the product that are relevant to explosion safety.

## 14 DESCRIPTIVE DOCUMENTS

### 14.1 Drawings

Refer to Certificate Annexe.

### 14.2 Associated Sira Reports and Certificate History

Issue	Date	Report number	Comment
0	13 August 2009	R51A20257A	The release of the prime certificate.
1	12 January 2012	R26454A/00	The introduction of Variation 1.
2	20 December 2012	R23865A/00	The introduction of Variation 2.
3	19 August 2014	R70004707A	The introduction of Variation 3.

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Issue	Date	Report number	Comment
4	26 April 2016	R70058330A	This Issue covers the following changes: <ul style="list-style-type: none"><li>Type Examination Certificate in accordance with 94/9/EC updated in accordance with Directive 2014/34/EU.</li><li><i>(In accordance with Article 41 of Directive 2014/34/EU, Type Examination Certificates referring to 94/9/EC that were in existence prior to the date of application of 2014/34/EU (20 April 2016) may be referenced as if they were issued in accordance with Directive 2014/34/EU. Variations to such Type Examination Certificates may continue to bear the original certificate number issued prior to 20 April 2016.)</i></li></ul>
5	29 September 2016	R70084090A	The introduction of Variation 4.
6	15th October 2019	1174	Transfer of certificate <b>Sira 09ATEX1221X</b> from Sira Certification Service to CSA Group Netherlands B.V..

#### 15 SPECIFIC CONDITIONS OF USE

15.1 The following conditions apply to the **Type CR-\*\*\* and CR-D\*\* Cable Glands**.

15.1.1 Glands fitted with neoprene sealing rings (black) shall not be used in enclosures where the temperature, at the point of mounting, is outside the range of -35°C to +90°C. Glands fitted with silicone sealing rings (white or red) shall not be used in enclosures where the temperature, at the point of mounting, is outside the range of -60°C to +180°C.

15.1.2 When the gland is used with reased safety and/or dust protected equipment, the entry thread shall be suitably sealed to maintain the ingress protection rating of the associated enclosure.

15.1.3 If the CR-\*\*\* and CR-D\*\* types of cable glands only grip the outer sheath of the cable and do not clamp the cable 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.

15.1.4 The CR-\*\*\* and CR-D\*\* 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).

15.2 The following conditions apply to the **A8\*\*, A8C\*\*, A8RC\*\*, D8X\*\*, D8XC\*\*, E8X\*\* & E8XC\*\* Cable Glands**.

15.2.1 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.

15.2.2 The **A8\*\*, A8C\*\*, A8RC\*\*, D8X\*\* , D8XC\*\*, E8X\*\* and E8XC\*\*** ranges of cable glands shall only be used for fixed installations, in addition, the cables must be effectively clamped to prevent pulling or twisting.

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- 15.2.3 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).
- 15.3 The following conditions apply to the **E\*\*\*\*F\*** & **D\*\*\*\*F Cable Glands**.
- 15.3.1 The **E\*\*\*\*F\*** and **D\*\*\*\*F** range of cable glands shall not be used in enclosures where the temperature, at the point of contact exceeds the following temperature.
- 35°C to +90°C for neoprene seal variants
  - 60°C to +180°C for the silicone seal variants
- 15.3.2 The **E\*\*\*\*F\*** and **D\*\*\*\*F** 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).
- 15.4 The following conditions apply to the **A\*\*\*\***, **A-L\*\***, **A\*LC\*\*\*** and **A\*RC\*\*\* Cable Glands**.
- 15.4.1 The **A\*\*\*\***, **A-L\*\***, **A\*LC\*\*\*** and **A\*RC\*\*\*** 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
- 15.4.2 The cable entries are only suitable for fixed installations. Cables must be effectively clamped to prevent pulling or twist.
- 15.4.3 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).
- 16 **ESSENTIAL HEALTH AND SAFETY REQUIREMENTS OF ANNEX II (EHSRs)**
- The relevant EHSRs that are not addressed by the standards listed in this certificate have been identified and individually assessed reports listed in Section 14.2.

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**CSA Group Netherlands B.V.**  
Utrechtseweg 310,  
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Netherlands

# Certificate Annexe



**Certificate Number:** Sira 09ATEX1221X

**Equipment:** Cable Glands

**Applicant:** Peppers Cable Glands Limited

## Issue 0

Drawing	Sheets	Rev.	Date	Title
PCG/ATX/CRD	1 of 1	3	23 Jul 09	CR-D** Family General arrangement
PCG/ATX/CR	1 of 1	5	23 Jul 09	CR-*** Family General arrangement
PCG/ATX/UF	1 of 1	4	23 Jul 09	Type A8*F General Arrangement
PCG/ATX/BF	1 of 1	4	23 Jul 09	Types D8*F and E8*F General Arrangement
PCG/ATX/E1W	1 of 4	5	23 Jul 09	E****F and D****F Family General Arrangement
PCG/ATX/E1W	2 of 4	5	23 Jul 09	E****F and D****F Family General Arrangement
PCG/ATX/A2L	1 of 1	6	23 Jul 09	A*L*** Family General Arrangement
PCG/ATX/CR-C	1 of 1	5	23 Jul 09	CR-C Family General Arrangement
PCG/ATX/CR-U	1 of 1	4	23 Jul 09	CR-U and CR-X Family General Arrangement
PCG/ATX/CR-S	1 of 1	3	23 Jul 09	CR-S Family General Arrangement

In addition to the above drawings, other documents associated with the existing certification identified in report number R51A20257A are also relevant.

## Issue 1

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
PCG/ATX/CR	1 of 1	7	21 Dec 11	General Arrangement
PCG/ATX/1VOS	1 of 1	1	21 Dec 11	Entry Component
PCG/ATX/82NOS	1 of 1	1	21 Dec 11	Seal
PCG/ATX/91AOS	1 of 1	1	21 Dec 11	ATEX Component Skid Washer – Parts 91AS, 91AB, 91ABT
PCG/ATX/8V	1 of 1	3	21 Dec 11	Compression Nut
PCG/ATX/3V	1 of 1	4	21 Dec 11	Armour Clamp Cone
PCG/ATX/10V	1 of 1	4	21 Dec 11	Armour Clamp Ring
PCG/ATX/5V	1 of 1	4	21 Dec 11	Middle Nut
PCG/ATX/2MOS	1 of 1	1	21 Dec 11	Outer Seal
PCG/ATX/11M	1 of 1	3	21 Dec 11	Outer Skid Washer
PCG/ATX/6MOS	1 of 1	1	21 Dec 11	Back Nut
PCG/OR	1 of 1	5	21 Dec 11	O-ring seals

## Issue 2

Drawing	Sheets	Rev.	Date (Sira Stamp)	Titles
PCG/ATX/10M	1 of 1	4	29 Nov 12	ATEX component clamp ring parts 10MW, 10MX, 10XX
PCG/ATX/11M	1 of 1	3	29 Nov 12	ATEX component skid washer parts 11MI, 11MO
PCG/ATX/11MR	1 of 1	2	29 Nov 12	ATEX Instrument Component Skid Washer Parts 11MIR, 11MOR
PCG/ATX/12M	1 of 1	2	29 Nov 12	ATEX Component A8 Cap Part 12M
PCG/ATX/12MF	1 of 1	1	29 Nov 12	ATEX Component A8 Female Threaded Connector Cap Part 12MM
PCG/ATX/12MM	1 of 1	1	29 Nov 12	ATEX Component A8 Male Threaded Connector Cap Part 12MM
PCG/ATX/16M	1 of 1	2	29 Nov 12	ATEX component integral earth clamp part 16M
PCG/ATX/1M	1 of 1	3	29 Nov 12	ATEX Component Entry Body Parts 1M, 1M9
PCG/ATX/1MIE	1 of 1	4	29 Nov 12	ATEX component entry body – Integral earth part 1MIE
PCG/ATX/1MT	1 of 1	2	29 Nov 12	ATEX Component Entry Body Parts 1MT, 1MT9

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## Certificate Annexe



**Certificate Number:** Sira 09ATEX1221X

**Equipment:** Cable Glands

**Applicant:** Peppers Cable Glands Limited

Drawing	Sheets	Rev.	Date (Sira Stamp)	Titles
PCG/ATX/1V	1 of 1	8	29 Nov 12	ATEX component entry body part 1V
PCG/ATX/1VT	1 of 1	2	29 Nov 12	ATEX component entry body part 1VT
PCG/ATX/2M	1 of 1	5	29 Nov 12	ATEX Component Seal – parts 2MI, 2MIS, 2MO, 2MOS, 2MOZS
PCG/ATX/3M	1 of 1	7	29 Nov 12	ATEX Component Cone Part 3M
PCG/ATX/3MD	1 of 1	1	29 Nov 12	ATEX Component Cone Part 3MD
PCG/ATX/3V	1 of 1	5	29 Nov 12	ATEX component cone part 3V
PCG/ATX/4M	1 of 1	3	29 Nov 12	ATEX component cap part 4M
PCG/ATX/4MR	1 of 1	2	29 Nov 12	ATEX Component Cap Part 4MR
PCG/ATX/4V	1 of 1	4	29 Nov 12	ATEX component cap part 4V
PCG/ATX/5M	1 of 1	4	29 Nov 12	ATEX component middle cap part 5M
PCG/ATX/5V	1 of 1	6	29 Nov 12	ATEX component middle cap part 5V
PCG/ATX/61M	1 of 1	3	29 Nov 12	ATEX Instrument Component Entry Body Part 61M
PCG/ATX/63M	1 of 1	2	29 Nov 12	ATEX Instrument Component Cone Part 63M
PCG/ATX/6M	1 of 1	4	29 Nov 12	ATEX component outer cap part 6M
PCG/ATX/72M	1 of 1	2	29 Nov 12	ATEX Instrument Component Seal – Slotted Parts 72MIS, 72MOS
PCG/ATX/74M	1 of 1	2	29 Nov 12	ATEX Instrument Component Component Bush Parts 74MI and 74MO
PCG/ATX/75M	1 of 1	2	29 Nov 12	ATEX Instrument Component Compression Cap Part 75M
PCG/ATX/81AN	1 of 1	5	29 Nov 12	ATEX component entry body Part 81AN
PCG/ATX/81ANT	1 of 1	2	29 Nov 12	ATEX component entry body Part 81ANT
PCG/ATX/82N	1 of 1	5	29 Nov 12	ATEX component seals 82N & 82NS
PCG/ATX/82V	1 of 1	5	29 Nov 12	ATEX component seal parts 82V, 82VS
PCG/ATX/85N	1 of 1	4	29 Nov 12	ATEX component mid cap part 85N
PCG/ATX/87C	1 of 1	1	29 Nov 12	ATEX component Circlip
PCG/ATX/88N	1 of 1	7	29 Nov 12	ATEX component nut part 88N
PCG/ATX/88NF	1 of 1	5	29 Nov 12	ATEX component conduit nut female part 88NF
PCG/ATX/88NH	1 of 1	1	29 Nov 12	ATEX component hose connector, part 88NH
PCG/ATX/88NM	1 of 1	5	29 Nov 12	ATEX component conduit nut, male part 88NM
PCG/ATX/88NR	1 of 1	1	29 Nov 12	ATEX component rotator nut, part 88NR
PCG/ATX/89NC	1 of 1	1	29 Nov 12	ATEX component rotating conduit nut - spiral, part 89NC
PCG/ATX/89NF	1 of 1	1	29 Nov 12	ATEX component rotating conduit nut - female, part 89NF
PCG/ATX/89NM	1 of 1	1	29 Nov 12	ATEX component rotating conduit nut - male, part 89NM
PCG/ATX/8M	1 of 1	2	29 Nov 12	ATEX Component Compression Bush Part 8M
PCG/ATX/8V	1 of 1	5	29 Nov 12	ATEX component compression bush part 8V
PCG/ATX/91A	1 of 1	3	29 Nov 12	ATEX Component Skid Washer – Parts 91AS, 91AB, 91ABT
PCG/ATX/91V	1 of 1	4	29 Nov 12	Skid washer- parts 91V, 91VB, 91VBT
PCG/ATX/A2L	1 to 2	8	29 Nov 12	ATEX Range Glands for unarmoured cable A2LF, A2LCMF, A2LCFF & A2LDSF Families
PCG/ATX/BF	1 to 2	5	29 Nov 12	ATEX Instrument Range Flat Cable (Heat Trace) Armoured Types D8XF and E8XF
PCG/ATX/CE	1 to 2	1	29 Nov 12	ATEX range glands for armoured cable C****E* family

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# Certificate Annexe



**Certificate Number:** Sira 09ATEX1221X

**Equipment:** Cable Glands

**Applicant:** Peppers Cable Glands Limited

Drawing	Sheets	Rev.	Date (Sira Stamp)	Titles
PCG/ATX/CR	1 to 2	8	29 Nov 12	ATEX Range gland – CR-*** for armoured/ unarmoured/ braided/ screened cable
PCG/ATX/CRD	1 to 2	5	29 Nov 12	ATEX Range gland – CRD*** for armoured/ unarmoured/ braided/ screened cable
PCG/ATX/CRO	1 to 2	3	29 Nov 12	ATEX Range gland – CRO*** for armoured cable
PCG/ATX/E1W	1 to 2	6	29 Nov 12	ATEX range glands for armoured cable E1W & D1W family
PCG/ATX/UF	1 of 1	5	29 Nov 12	ATEX Instrument Range Flat Cable (Heat Trace) Unarmoured Type A8F
PCG/ETDMV	1 of 1	6	29 Nov 12	Standard Thread Chart
PCG/ETOR	1 of 1	7	29 Nov 12	Entry Thread O-Ring Seal Part OR
PCG/ETRO	1 of 1	1	29 Nov 12	Entry Thread Components Run Out Specification
PCG/GESW	1 of 1	1	29 Nov 12	Skid Washer Part GESW
PCG/LW2	1 of 1	7	29 Nov 12	Continuity Washer for Sira 01ATEX1271X
PCG/LW3	1 of 1	6	29 Nov 12	Continuity Washer LW3
PCG/MATS/AL	1 of 1	2	29 Nov 12	Standard materials Aluminium Alloy for ATEX certified glands using "M", "V" and "N" components
PCG/MATS/SB	1 of 1	3	29 Nov 12	Standard materials ATEX certified glands using "M", "V" and "N" components
PCG/ORGD	1 of 1	2	29 Nov 12	Component entry body O-ring groove detail
PCG/ATX/PEXMP	1 of 1	1	29 Nov 12	Marking Plan
PCG/PRE-PLT	1 of 1	1	04 Oct 12	Entry thread components pre-plate thread manufacturing tolerances

## Issue 3

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
PCG/ATX/BF	1 of 2	6	15 Jul 14	ATEX Instrument Range Flat Cable (Heat Trace) Armoured Types E8X**, E8XC***, D8XC*** & D8X** series – general arrangement
PCG/ATX/BF	2 of 2	6	15 Jul 14	ATEX Instrument Range Flat Cable (Heat Trace) Armoured Types E8X**, E8XC***, D8XC*** & D8X** series – product code & cable range.
PCG/ATX/UF	1 of 2	7	15 Jul 14	ATEX Instrument Range Flat Cable (Heat Trace) Unarmoured Type A8**, A8C*** & A8RC** series – general arrangement
PCG/ATX/UF	2 of 2	7	15 Jul 14	ATEX Instrument Range Flat Cable (Heat Trace) Unarmoured Type A8**, A8C*** & A8RC** series – product code & cable range.
PCG/ATX/1M	1 of 1	4	15 Jul 14	ATEX Component Entry Body Parts 1M, 1M9
PCG/ATX/1MT	1 of 1	4	15 Jul 14	ATEX Component Entry Body Parts 1MT, 1MT9
PCG/ATX/3MD	1 of 1	2	15 Jul 14	ATEX Component Cone Part 3MD
PCG/ATX/10M	1 of 1	5	15 Jul 14	ATEX component clamp ring parts 10MW, 10MX, 10XX
PCG/ATX/12M	1 of 1	3	15 Jul 14	ATEX Component A8 Cap Part 12M
PCG/ATX/61M	1 of 1	4	15 Jul 14	ATEX Instrument Component Entry Body Part 61M
PCG/ATX/75M	1 of 1	3	15 Jul 14	ATEX Instrument Component Compression Cap Part 75M

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# Certificate Annexe



**Certificate Number:** Sira 09ATEX1221X

**Equipment:** Cable Glands

**Applicant:** Peppers Cable Glands Limited

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
EPCG/ETDMV	1 of 1	8	15 Jul 14	Standard Thread Chart
PCG/MATS/SB	1 of 1	5	15 Jul 14	Standard Materials ATEX Certified Glands Using "M", "V" and "N" Components
PCG/PRE-PLT	1 of 1	2	15 Jul 14	Entry Thread Components Pre-Plate Thread Manufacturing Tolerances
PCG/ATX/4MF	1 of 1	1	15 Jul 14	ATEX Instrument component male cap, conduit part 4MF
PCG/ATX/4MM	1 of 1	1	15 Jul 14	ATEX Instrument component female cap, conduit part 4MM
PCG/ATX/6M	1 of 1	5	15 Jul 14	ATEX component cap part 6M
PCG/ATX/6MF	1 of 1	1	18 Aug 14	ATEX component female cap, part 6MF
PCG/ATX/6MM	1 of 1	1	15 Jul 14	ATEX component male cap, part 6MM
PCG/ATX/8MC	1 of 1	1	15 Jul 14	ATEX component compression bush-spiral, part 8MC

Note - The following drawing has been removed from the certification documentation as it is no longer used.

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
PCG/ATX/4MR	1 of 1	2	29 Nov 12	ATEX Instrument component cap, M25 conduit, part 4MR

**Issue 4** No new drawings were introduced.

## Issue 5

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
PCG/ATX/UF	1 of 2	9	06 Sep 16	ATEX Instrument Range Flat Cable (Heat Trace) Unarmoured Type A8**, A8C*** & A8RC** series – general arrangement
PCG/ATX/UF	2 of 2	9	06 Sep 16	ATEX Instrument Range Flat Cable (Heat Trace) Unarmoured Type A8**, A8C*** & A8RC** series – product code & cable range.
PCG/ATX/1M	1 of 1	5	06 Sep 16	ATEX Component Entry Body Parts 1M, 1M9
PCG/ATX/8M	1 of 1	3	06 Sep 16	ATEX Component Compression Bush Part 8M
PCG/ATX/8MC	1 of 1	2	06 Sep 16	ATEX component compression bush-spiral, part 8MC
PCG/ATX/12M	1 of 1	4	06 Sep 16	ATEX Component A8 Cap Part 12M
PCG/ATX/12MF	1 of 1	2	06 Sep 16	ATEX Component A8 Female Threaded Connector Cap Part 12MM
PCG/ATX/12MM	1 of 1	2	06 Sep 16	ATEX Component A8 Male Threaded Connector Cap Part 12MM
PCG/ATX/72M	1 of 1	3	06 Sep 16	ATEX Instrument Component Seal – Slotted Parts 72MIS, 72MOS

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