

CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

No.: 2021312313000373

Applicant and address

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

Manufacturer and address

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

Factory and address

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

Product, series, specification and model

Adaptors and Reducers
AR*****, ARMM*****, ARFF*****
Ex db I Mb / Ex eb I Mb, Ex db IIC Gb / Ex eb IIC Gb, Ex nR IIC Gc,
Ex ta IIIC Da

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

**This product(s) complies with the requirements of CNCA-C23-01: 2024
China Compulsory Certification Implementation Rule on Explosion
Protected Electrical Product.**

Issue date: 2026-05-14 Valid to: 2031-05-16

Detailed information and status of this certificate is available by using the QR code,
visiting CNEx's website or CNCA's website: www.cnca.gov.cn.

This translated document has no legal effect and shall not be used alone.



Director:

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Product information:

1. This certificate covers the following models:

- AR*****, ARMM*****, ARFF*****

The products are manufactured with the following threadform options:

Metric	GB/T197 and GB/T2516 - M16 to M100: M16×1.5, M20×1.5, M25×1.5, M32×1.5, M40×1.5, M50×1.5, M63×1.5, M75×1.5, M80×1.5, M85×1.5, M90×1.5, M100×1.5, M80×2.0, M85×2.0, M90×2.0, M100×2.0
NPT	ANSI/ASME B1.20.1 - ¼" to 4"
PG	DIN 40430 - 7 / 9 / 11 / 13.5 / 16 / 21 / 29 / 36 / 42 / 48

Note: All threads are manufactured in accordance with GB/T3836.2 clauses 5.3 and C.2.2 (as applicable).

Design Options:

O-Ring seals

O-Ring seal materials fitted to male thread forms may be provided in the following materials to suit the application:



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Nitrile
Silicone
Viton
Neoprene
Fluorosilicone
EPDM

Material of manufacture and marking

The Adaptors and Reducers may be manufactured from the following materials:

Brass	CW614N (CuZn 39Pb3)/ CZ121 3Pb, Ecobrass C69300/ C87850
Aluminium*	AW 6082 T6 AISI 1MgMn
Stainless Steel	1.4404/ 316L S11, 1.4401/ 316 S31, 1.4301/ 304, 1.4305/ 303

*Not suitable for Group I use.



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Surface coating:

The products may additionally be metal plated with either: Nickel, Zinc or Anodised (0.008 mm thick max.) to suit the application.

Product Type Reference:

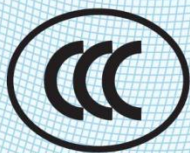
The product type reference is derived from the following options:

A-B-C-D-E-F-G		
A - Product Type		
AR	Adaptor/Reducer Type	
ARMM		
ARFF		
B - IP Seal code		
0	No seal fitted	(-100°C to +400°C)
1	Nitrile O-ring	(-30°C to +100°C)
2	Neoprene O-ring	(-35°C to +90°C)
3	Silicone O-ring	(-60°C to +200°C)
4	Fluorosilicone O-ring	(-55°C to +200°C)
5	Viton O-ring	(-20°C to +180°C)
6	EPDM O-ring	(-50°C to +110°C)
C - Material of manufacture		
A	Aluminium	



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B	Brass
S	Stainless Steel
Degree of protection concept code	
E - Rating Mb, Ex eb IIC Gb	
F: Ex db I Mb, Ex db IIC Gb, Ex eb I Mb, Ex eb IIC Gb, Ex nR IIC Gc, Ex ta III C Da	Not plated
AN	Anodised
NP	Nickel Plated
ZP	Zinc
F - Male thread (female for ARFF) size and type	
G - Female thread (male for ARMM) size and type	

Degree of protection

The Adaptors and Reducers, when installed in accordance with the manufacturer's instructions, are capable of providing, with an enclosure on which they are fixed, an ingress protection rating of IP 66.

The Adaptors and Reducers with parallel threads and fitted with sealing rings, when installed in accordance with the manufacturer's instructions, are capable of providing, with an enclosure on which they are fixed, an ingress protection rating of IP 66 / IPX8 to 100 m for 7 days.

The Adaptors and Reducers with tapered threads, fitted with sealing rings and installed in clearance holes, when installed in accordance with the manufacturer's instructions, are capable of providing, with an enclosure



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on which they are fixed, an ingress protection rating of IP 66 / IPX8 to 100 m for 7 days.

Restricted breathing:

AR, ARMM and ARFF Adaptors and Reducers with tapered threads provide a restricted breathing seal.

AR, ARMM and ARFF Adaptors and Reducers with parallel threads and fitted with appropriate sealing rings provide a restricted breathing seal.

AR, ARMM and ARFF Adaptors and reducers with tapered or parallel threads, installed into unthreaded entry holes and fitted with appropriate sealing rings provide a restricted breathing seal.

Arrangements

The following arrangements are permitted:

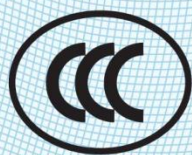
Sizes marked * have a larger hexagon size where a sealing washer is required.

A= Adaptor R= Reducer			Female Thread											
			Metric											
			M16	M20	M25	M32	M40	M50	M63	M75	M80	M85	M90	M100
		M16	A	A										
		M20	R	A	A	A								
		M25	R	R	A	A	A							



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	M32	R	R	R	A	A	A						
	M40	R	R	R	R	A	A	A					
	M50	R	R	R	R	R	A	A	A				
	M63	R	R	R	R	R	R	A	A	A	A		
	M75	R	R	R	R	R	R	R	A	A	A	A	A
	M80	R	R	R	R	R	R	R	A	A	A	A	A
	M85	R	R	R	R	R	R	R	R	A	A	A	A
	M90	R	R	R	R	R	R	R	R	R	A	A	A
	M100	R	R	R	R	R	R	R	R	R	R	R	A

A= Adaptor R= Reducer		Female Thread											
		Metric											
		M16	M20	M25	M32	M40	M50	M63	M75	M80	M85	M90	M100
	1/2	R*	A*	A	A								
	3/4	R*	R*	A*	A	A							
	1	R*	R*	R*	A*	A	A						
	1 1/4	R*	R*	R*	R*	A*	A	A					
	1 1/2	R*	R*	R*	R*	R*	A	A	A				
	2	R*	R*	R*	R*	R*	R*	A	A	A	A		



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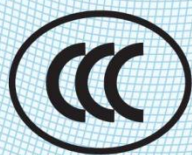
	2½	R	R	R	R	R	R	R	A	A	A	A	A
	3	R*	R*	R*	R*	R*	R*	R*	R*	A*	A	A	A
	3½	R*	R*	R*	R*	R*	R*	R*	R*	R*	R*	R*	A
	4	R*	R*	R*	R*	R*	R*	R*	R*	R*	R*	R*	R*

		Female Thread											
		Metric											
		M16	M20	M25	M32	M40	M50	M63	M75	M80	M85	M90	M100
	PG9	A	A										
	PG11	A	A	A	A								
	PG13.5	R	A	A	A								
	PG16	R	A	A	A	A							
	PG21	R	R	A	A	A	A						
	PG29	R	R	R	R	A	A	A					
	PG36	R	R	R	R	R	A	A	A				
	PG42	R	R	R	R	R	A	A	A				



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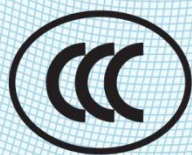
		PG48	R	R	R	R	R	R	A	A	A	A		
--	--	------	---	---	---	---	---	---	---	---	---	---	--	--

A= Adaptor R= Reducer			Female Thread										
			NPT										
			½"	¾"	1"	1¼"	1½"	2"	2½"	3"	3½"	4"	
		M16	A										
		M20	A	A	A	A							
		M25	R	A	A	A							
		M32	R	R	A	A	A						
		M40	R	R	R	A	A	A					
		M50	R	R	R	R	A	A	A				
		M63	R	R	R	R	R	A	A				
		M75	R	R	R	R	R	R	A	A	A		
		M80	R	R	R	R	R	R	A	A	A		



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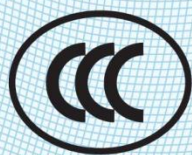
	M85	R	R	R	R	R	R	R	A	A	
	M90	R	R	R	R	R	R	R	A	A	A
	M100	R	R	R	R	R	R	R	R	A	A

A= Adaptor R= Reducer		Female Thread									
		NPT									
		1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	3 1/2"	4"
	1/2"	A*	A	A							
	3/4"	R*	A*	A	A						
	1"	R*	R*	A*	A	A					
	1 1/4"	R*	R*	R*	A*	A	A				
	1 1/2"	R*	R*	R*	R*	A	A	A			
	2"	R*	R*	R*	R*	R*	A	A	A		
	2 1/2"	R	R	R	R	R	R	A	A	A	
	3"	R*	R*	R*	R*	R*	R*	R*	A	A	A
	3 1/2"	R*	R*	R*	R*	R*	R*	R*	R*	A	A
	4"	R*	R*	R*	R*	R*	R*	R*	R*	R*	A



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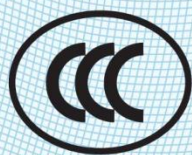
A= Adaptor R= Reducer			Female Thread								
			NPT								
			½ ”	¾ ”	1 ”	1¼ ”	1½ ”	2 ”	2½ ”	3 ”	3½ ”
		PG9	A								
		PG11	A	A	A						
		PG13.5	A	A	A						
		PG16	A	A	A	A					
		PG21	R	A	A	A	A				
		PG29	R	R	A	A	A	A			
		PG36	R	R	R	A	A	A	A		
		PG42	R	R	R	R	R	A	A		
		PG48	R	R	R	R	R	A	A		

A= Adaptor	Female Thread
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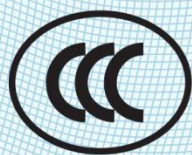
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R= Reducer			PG								
			PG9	PG11	PG13.5	PG16	PG21	PG29	PG36	PG42	PG48
		M16	A	A	A						
		M20	R	A	A	A	A				
		M25	R	R	R	A	A	A			
		M32	R	R	R	R	A	A	A		
		M40	R	R	R	R	R	A	A	A	
		M50	R	R	R	R	R	R	A	A	A
		M63	R	R	R	R	R	R	R	R	A
		M75	R	R	R	R	R	R	R	R	R
		M80	R	R	R	R	R	R	R	R	R
		M85	R	R	R	R	R	R	R	R	R
		M90	R	R	R	R	R	R	R	R	R
		M100	R	R	R	R	R	R	R	R	R



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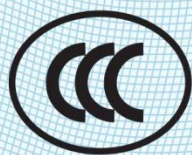
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A= Adaptor R= Reducer			Female Thread								
			PG								
			PG9	PG11	PG13.5	PG16	PG21	PG29	PG36	PG42	PG48
		½”	R*	A*	A*	A					
		¾”	R	R	R	A	A	A			
		1”	R	R	R	R	A	A	A		
		1 ¼”	R	R	R	R	R	A	A	A	
		1 ½”	R	R	R	R	R	R	A	A	A
		2”	R	R	R	R	R	R	R	R	A
		2 ½”	R	R	R	R	R	R	R	R	R
		3”	R	R	R	R	R	R	R	R	R
		3 ½”	R	R	R	R	R	R	R	R	R
		4”	R	R	R	R	R	R	R	R	R



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A= Adaptor R= Reducer			Female Thread							
			PG							
			PG9	PG11	PG13.5	PG16	PG21	PG29	PG36	PG42
		PG9	A	A	A	A				
		PG11	A	A	A	A	A			
		PG13.5	R	A	A	A	A			
		PG16	R	R	A	A	A	A		
		PG21	R	R	R	R	A	A	A	
		PG29	R	R	R	R	R	A	A	A
		PG36	R	R	R	R	R	R	A	A
		PG42	R	R	R	R	R	R	R	A
		PG48	R	R	R	R	R	R	R	A

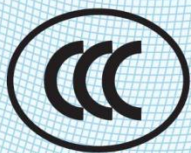
The following conditions are required of the manufacturing process for compliance with the certification: Aluminium devices shall not be marked with any information indicating that they are suitable for Group I use.

Ex marking:



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Ex db I Mb / Ex eb I Mb, Ex db IIC Gb / Ex eb IIC Gb, Ex nR IIC Gc, Ex ta IIC Da

- Producers should organize production in accordance with the technical documents approved by the certification body.

2. Specific conditions of use:

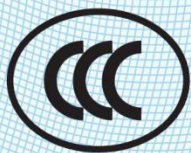
- For Ex db: only Metric and NPT threads can be used,
For Ex eb, Ex ta and Ex nR: Metric, NPT and PG threads can be used.
- The threaded entry component threads without interface O-ring seals that are installed in explosive dust atmospheres, within threaded entries, shall only be fitted into enclosures that have either:
 - Parallel entries that ensure that a minimum of 5 full threads of contact will be maintained.
 - Tapered entries that ensure that a minimum of 3.5 full threads of contact will be maintained.
- Adaptors and Reducers shall not to be used for the direct inter-connection of enclosures.
- Only one adaptor or reducer is to be used with any single cable entry on the associated equipment.
- The products are approved for a temperature range at their point of mounting based upon the interface seal:

0	No seal fitted	(-100°C to +400°C)
1	Nitrile O-ring	(-30°C to +100°C)
2	Neoprene O-ring	(-35°C to +90°C)
3	Silicone O-ring	(-60°C to +200°C)
4	Fluorosilicone O-ring	(-55°C to +200°C)
5	Viton O-ring	(-20°C to +180°C)



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6	EPDM O-ring	(-50°C to +110°C)
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- See instruction for other information.

3. Certificate change information:

- This certificate is issued for renewal upon expiration. The first issuance date of the certificate is: 2021-05-17



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