



CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

No.: 2021312313000375

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

ARMR*****, ARFR*****, AEMF*****, AEFF*****, ATMF*****, ATFF*****

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:

Nanyang Explosion Protected Electrical
Apparatus Research Institute Co., Ltd.



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Product information:

1. This certificate covers the following models:

- ARMR*****, ARFR*****, AEMF*****, AEFF*****, ATMF*****, ATFF*****

Product Type Reference:

The product type reference is derived from the following options:

The product type reference is derived from the following options:		
A-B-C-D-E-F-G		
A - Product Type		
ARMR	90° Male/Female Adaptor/Reducer	
ARFR	90° Female/Female Adaptor/Reducer	
AEMF	45° Male/Female Adaptor/Reducer	
AEFF	45° Female/Female Adaptor/Reducer	
ATMF	30° Male/Female Adaptor/Reducer	
ATFF	30° Female/Female Adaptor/Reducer	
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	
B	Brass	
S	Stainless Steel	
D Production concept code		



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E = Ex eb, Ex ta IIIC Da F = Ex db, Ex eb, Ex nR IIC Gc, Ex ta IIIC Da	
E - Plating	
--	Not plated
AN	Anodised
NP	Nickel Plated
ZP	Zinc
F - Male thread (female for ARFR, AEFF and ATFF) size and type	
G - Female thread size and type	

The products are manufactured with the following threadform options:

ISO Metric	GB/T197 and GB/T2516 - 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 - 3/8 to 4"
PG	DIN 40430 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:

Nitrile
Silicone
Viton
Neoprene
Fluorosilicone
EPDM



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Material of manufacture and marking:

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

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

**Not suitable for Group I use.*

Surface coating:

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

Degree of protection:

The Adaptors and Reducers, when installed in accordance with the manufacturers 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 manufacturers 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 manufacturers instructions, are capable of providing, with an enclosure on which they are fixed, an ingress protection rating of IP 66 / IPX8 to 100 meters for 7 days.

Arrangements

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



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	M20	R	A	A									
	M25	R	R	A	A								
	M32	R	R	R	A	A							
	M40	R	R	R	R	A	A						
	M50	R	R	R	R	R	A	A					
	M63	R	R	R	R	R	R	A	A				
	M75	R	R	R	R	R	R	R	A	A	A		
	M80	R	R	R	R	R	R	R	R	A	A	A	A
	M85	R	R	R	R	R	R	R	R	R	A	A	A
	M90	R	R	R	R	R	R	R	R	R	R	A	A
	M100	R	R	R	R	R	R	R	R	R	R	R	A

The following arrangements are permitted:

A= Adaptor R= Reducer		Female Thread											
		Metric											
		M16	M20	M25	M32	M40	M50	M63	M75	M80	M85	M90	M100
	3/8"	A	A										
	1/2"	R	A	A									
	3/4"	R	R	A	A								
	1"	R	R	R	A	A							
	1 1/4"	R	R	R	R	A	A						
	1 1/2"	R	R	R	R	R	A	A					
	2"	R	R	R	R	R	R	A	A				
	2 1/2"	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
	3 1/2"	R	R	R	R	R	R	R	R	R	R	R	A



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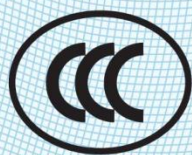
A= Adaptor R= Reducer		Female Thread											
		Metric											
		M1 6	M2 0	M2 5	M3 2	M40	M50	M63	M7 5	M8 0	M8 5	M9 0	M10 0
	PG9	A											
	PG11	A	A										
	PG13.5	A	A	A									
	PG16	A	A	A									
	PG21	R	A	A	A								
	PG29	R	R	A	A	A							
	PG36	R	R	R	A	A	A						
	PG42	R	R	R	R	R	A	A					
	PG48	R	R	R	R	R	A	A					

A= Adaptor R= Reducer		Female Thread										
		NPT										
		3/8"	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	3 1/2	
	M16	A	A									
	M20	R	A	A								
	M25	R	R	A	A							
	M32	R	R	R	A	A						
	M40	R	R	R	R	A	A					
	M50	R	R	R	R	R	A	A				
	M63	R	R	R	R	R	R	A	A			
	M75	R	R	R	R	R	R	R	A	A	A	
	M80	R	R	R	R	R	R	R	A	A	A	



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

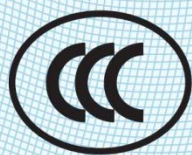
A= Adaptor R= Reducer		Female Thread									
		NPT									
		3/8"	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	3 1/2
	1/2	A	A								
	3/4	R	A	A							
	1	R	R	A	A						
	1 1/4	R	R	R	A	A					
	1 1/2	R	R	R	R	A	A				
	2	R	R	R	R	R	A	A			
	2 1/2	R	R	R	R	R	R	A	A		
	3	R	R	R	R	R	R	R	A	A	
	3 1/2	R	R	R	R	R	R	R	R	A	A
	4	R	R	R	R	R	R	R	R	R	A

A= Adaptor R= Reducer		Female Thread									
		NPT									
		3/8"	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	3 1/2
	PG9	A									
	PG11	A	A								
	PG13.5	A	A	A							
	PG16	A	A	A							
	PG21	R	A	A	A						



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		PG29	R	R	A	A	A				
		PG36	R	R	R	A	A	A			
		PG42	R	R	R	R	R	A	A		
		PG48	R	R	R	R	R	A	A		

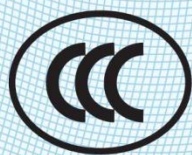
A= Adaptor R= Reducer			Female Thread								
			PG								
			PG 9	PG 11	PG13.5	PG1 6	PG21	PG2 9	PG3 6	PG4 2	PG48
		M16	A	A	A						
		M20	R	A	A	A	A				
		M25	R	R	R	A	A	A			
		M32	R	R	R	R	A	A	A		
		M40	R	R	R	R	R	A	A	A	
		M50	R	R	R	R	R	R	A	A	A
		M63	R	R	R	R	R	R	R	R	A
		M75	R	R	R	R	R	R	R	R	R
		M80	R	R	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

A= Adaptor R= Reducer			Female Thread								
			PG								
			PG 9	PG11	PG13.5	PG1 6	PG21	PG2 9	PG3 6	PG42	PG48
		1/2	R	A	A	A A					
		3/4	R	R	R	A	A	A			



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	1	R	R	R	R	A	A	A		
	1¼	R	R	R	R	R	A	A	A	
	1½	R	R	R	R	R	R	A	A	A
	2	R	R	R	R	R	R	R	R	A
	2½	R	R	R	R	R	R	R	R	R
	3	R	R	R	R	R	R	R	R	R
	3½	R	R	R	R	R	R	R	R	R

A= Adaptor R= Reducer		Female Thread								
		PG								
		PG9	PG1 1	PG13. 5	PG1 6	PG21	PG29	PG36	PG4 2	PG48
	PG9	A	A	A	A					
	PG11	A	A	A	A	A				
	PG13. 5	R	A	A	A	A				
	PG16	R	R	A	A	A				
	PG21	R	R	R	R	A	A			
	PG29	R	R	R	R	R	A	A		
	PG36	R	R	R	R	R	R	A	A	A
	PG42	R	R	R	R	R	R	R	A	A
	PG48	R	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.

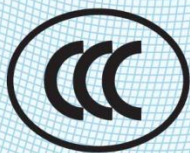
Ex marking: Ex db I Mb, Ex eb I Mb, Ex db IIC Gb, Ex eb IIC Gb, Ex nR IIC Gc, Ex ta IIIC Da

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



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2. Specific conditions of use:

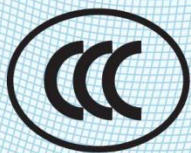
- For Ex db: only Metric and NPT threads can be used,
- For Ex eb, Ex ta and Ex nR: Metric, NPT and PG threads can be used.
- Blanking elements shall not be used in conjunction with an adapter or reducer when installed into a flameproof 'Ex db applications.
- The Ingress Protection rating that is required to ensure compliance with the standards used in this certificate was determined by testing the devices fitted into a representative enclosure having a smooth flat mounting surface. In practice, the interface between the male thread of the adapters/reducers and their associated enclosure cannot be defined; therefore, it is the users responsibility to ensure that the appropriate Ingress Protection level is maintained at these interfaces.
- The parallel threaded entry component threads will be suitably sealed using a method that is applicable to the associated equipment to which the adapters/reducers will be attached. This will be in accordance with the relevant installation code of practice and will ensure that any ingress protection requirements are maintained.
- 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 with 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)



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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)

- 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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