

**UK Type Examination Certificate CML 22UKEX1266X Issue 0****United Kingdom Conformity Assessment**

1 Product or Protective System Intended for use in Potentially Explosive Atmospheres UKSI 2016:1107 (as amended) – Schedule 3A, Part 1

2 Equipment **Cable glands CG.AR, CG.AR2, CR.AR2LT, CG.CR, CG.MI, CG.AR2L**

3 Manufacturer **Pepperl+Fuchs SE**

4 Address **Lilienthalstrasse 200  
68307 Mannheim  
Germany**

5 The equipment is specified in the description of this certificate and the documents to which it refers.

6 Eurofins E&E CML Limited, Newport Business Park, New Port Road, Ellesmere Port, CH65 4LZ, United Kingdom, Approved Body Number 2503, in accordance with Regulation 43 of the Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations 2016, UKSI 2016:1107 (as amended), certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment intended for use in potentially explosive atmospheres given in Schedule 1 of the Regulations.

The examination and test results are recorded in the confidential reports listed in Section 12.

7 If an 'X' suffix appears after the certificate number, it indicates that the equipment is subject to specific conditions of use (affecting correct installation or safe use). These are specified in Section 14.

8 This UK Type Examination certificate relates only to the design and construction of the specified equipment. Further requirements of the Regulations apply to the manufacturing process and supply of the product. These are not covered by this certificate.

9 Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the confidential report, has been demonstrated through compliance with the following documents:

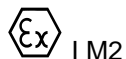
EN IEC 60079-0:2018

EN 60079-1:2014

EN IEC 60079-7:2015+A1:2018

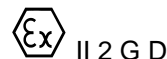
EN 60079-31:2014

10 The equipment shall be marked with the following:

**(only for types CG.MI and CG.AR2L)**

Ex db I Mb

Ex eb I Mb

**(all types)**

Ex db IIC Gb

Ex eb IIC Gb

Ex tb IIIC Db





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## 11 Description

The cable glands series CG.AR, CG.AR2, CR.AR2LT, CG.CR, CG.MI and CG.AR2L are suitable for inserting circular cables into Ex db enclosures having threaded entries and Ex eb or Ex tb enclosures having either threaded or plane entries.

**For full description see attached ATEX Certificate CESI 14ATEX 033X, Issue 2**

## 12 Certificate history and evaluation reports

Issue	Date	Associated report	Notes
0	07 Sep 2022	R14750C/00	Prime Certificate issued.

Note: Drawings that describe the equipment are listed or referred to in the Annex.

## 13 Conditions of Manufacture

None.

## 14 Specific Conditions of Use

- i. The coupling of the cable glands with the enclosures shall be made as indicated by the manufacturer in the documents annexed to this certificate in order to respect the type of protection of the electrical apparatus on which cable glands are mounted.
- ii. The cable glands shall be mounted at the electrical apparatus in such a way that accidental rotation and loosening will be prevented.
- iii. The cable glands types **CG.AR2L** and **CG.MI** have to be protected from hydraulic fluids, oils and greases when applied for Group I (mines) applications.
- iv. Only the cable glands types **CG.AR2L** and types **CG.MI** from M20x1.5 up to M90x1.5 sizes are admitted for Group I applications.
- v. The **CG.AR2L** cable glands types M20x1.5 sizes with clamping range  $\varnothing 3.0 \div 8.5$  are admitted for Group II applications only.
- vi. The **CG.MI** cable glands types M16x1.5 sizes are not admitted for Group I applications.
- vii. The **CG.AR2** and **CG.AR2L** cable glands types made of Aluminium alloy are not admitted for Group I applications and are available from M25x1.5 up to M75x1.5 sizes only.
- viii. The **CG.AR** cable glands type are only suitable for fixed installations. The cables must be effectively clamped to prevent pulling and twisting.
- ix. The cable glands shall be installed in such a way that the temperature at the mounting point will remain within the service temperature ranges accordingly to the marking.
- x. The degree of protection IP 66/68 according to the EN 60529 standard will be guaranteed for the cable glands if the holes into which cable glands are mounted are suitably sealed. To this scope the correct positioning of the gaskets (for cylindrical threads) or the application of sealant on the threads (for tapered threads), shall be done as indicated in the manufacturer instruction.

## Certificate Annex

**Certificate Number** CML 22UKEX1266X  
**Equipment** Cable glands CG.AR, CG.AR2, CR.AR2LT, CG.CR, CG.MI, CG.AR2L  
**Manufacturer** Pepperl+Fuchs SE



The following documents describe the equipment defined in this certificate:

### Issue 0

For drawings describing the equipment, refer to attached certificate CESI 14 ATEX 033X. In addition to the drawings listed on CESI 14 ATEX 033X, the following drawings include the additional marking required for this UK Type Examination certification:

Drawing No	Sheets	Rev	Approved date	Title
16-1555CM-10	1 to 2	0	07 Sep 2022	Additional Marking Requirements for UKCA