

UK Type Examination Certificate CML 22UKEX1268X 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 **Barrier cable glands CG.BA.., CG.BN..**
- 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:

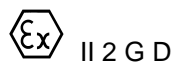
EN IEC 60079-0:2018 EN 60079-1:2014 EN IEC 60079-7:2015/A1:2018
EN 60079-31:2014

- 10 The equipment shall be marked with the following:



Ex db I Mb

Ex eb I Mb



Ex db IIC Gb

Ex eb IIC Gb

Ex tb IIIC Db





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11 Description

A Barrier gland is an Ex db cable gland incorporating a compound filled chamber sealing around the individual cores of the cable to maintain the flameproof integrity of the equipment on which it has been fitted.

For full description see attached ATEX Certificate CESI 18 ATEX 037X, Issue 02.

12 Certificate history and evaluation reports

Issue	Date	Associated report	Notes
0	07 Sep 2022	R14750E/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

The following conditions relate to safe installation and/or use of the equipment.

- i. The coupling of the Barrier 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 Barrier cable glands are mounted.
- ii. The Barrier cable glands shall be mounted at the electrical apparatus in such a way that accidental rotation and loosening will be prevented.
- iii. When the cores will be fitted inside the sealing pot by filling compound, the mounting should guarantee a sufficient quantity of compound around each single core to ensure the clamping of the cemented joint This shall be done as indicated in the manufacturer instructions.
- iv. The Barrier cable glands CG.BN .. and CG.BA.. series have to be protected from hydraulic fluids, oils and greases when applied for Group I (mines) use.
- v. The Barrier cable glands CG.BA .. series for braided cables (SWB types) are not admitted when applied for Group I (mines) use.
- vi. The Barrier cable glands should be installed within the following ambient/service temperature ranges:
 - a. from - 60°C up to + 100C for models with Silicon flat washers;
 - b. from - 50C up to + 80C for models with Fiber flat washers.
- vii. The degree of protection IP 66/68 according to the EN 60529 standard will be guaranteed for the Barrier cable glands if the holes into which they 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 22UKEX1268X
Equipment Barrier cable glands CG.BA., CG.BN..
Manufacturer Pepperl+Fuchs SE



The following documents describe the equipment defined in this certificate:

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For drawings describing the equipment, refer to attached certificate CESI 18 ATEX 037X. In addition to the drawings listed on CESI 18 ATEX 037X, 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