

UK Type Examination Certificate CML 21UKEX11380X 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 **Metal cable glands for circular and flat cables**
CG.NA**; CG.EM****; CG.CO****; CG.NA****(axb); CG.EM****(axb); CG.CO****(axb)**
- 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:



II 2 G D

Ex db IIC Gb

Ex eb IIC Gb

Ex tb IIC Db





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11 Description

These cable glands are suitable for inserting cables into Ex eb or Ex db enclosures by means of threaded entries (Ex db or Ex eb) or through holes with counter locknut (suitable only for Ex eb) that the same enclosures are fitted with. The degree of the IP protection is IP66/68.

For full description refer to attached ATEX certificate IMQ 14ATEX 012X, Issue 3.

12 Certificate history and evaluation reports

Issue	Date	Associated report	Notes
0	08 Sep 2022	R14750A/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 cable glands are only suitable for fixed installations. Cables shall be effectively clamped to prevent pulling or twisting.
- ii. When cable glands are installed with polyamide insert BP.NA.*.PA mechanical risk have to be taken into account, depending on cable gland and insert tap. The upper operating temperature is limited to 70 °C. When insert tap is removed in order to install the proper cable, the integrity of sealing rings have to be checked, in order to guarantee the correct tightness. If necessary, sealing rings have to be replaced with new ones (original spare parts only).
- iii. Precautions shall be taken in order to guarantee protection against risk of mechanical damage is provided, when insert taps are suitable for low mechanical risk (4J) only.
- iv. Cable glands for non circular cables shall be fitted with proper cables, suitable for sealing ring according to manufacturer's instruction.
- v. The cable glands in metric threads can be produced with TL9,0mm for Ex eb and Ex tb only.
- vi. In order to guarantee Ex tb type of protection in installation, external Oring or Gasket shall be mounted. For nonthreaded enclosure, the locknut shall be fully engaged.
- vii. The minimum wall thickness shall be 1,5 mm for non threaded enclosures.

Certificate Annex



Certificate Number CML 21UKEX11380X
Equipment Metal cable glands for circular and flat cables
CG.NA*****; CG.EM*****; CG.CO*****;
CG.NA*****(axb); CG.EM*****(axb); CG.CO*****(axb)
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 IMQ 14 ATEX 012X. In addition to the drawings listed on IMQ 14 ATEX 012X, 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	08 Sep 2022	Additional Marking Requirements for UKCA