UK Type Examination Certificate CML 21UKEX1260X 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 **Type TC and TCCG Range of Cable Glands**

3 Manufacturer **CMP Products Ltd**

4 Address **Unit 36 Nelson Way,**
Nelson Park East,
Cramlington, NE23 1WH,
United Kingdom

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 60079-0:2018 EN 60079-1:2014 EN 60079-7:2015+A1:2018

EN 60079-31:2014

10 The equipment shall be marked with the following:

Ex II 2G

Ex db IIC Gb
Ex eb IIC Gb

Ex II 1D

Ex ta IIIC Da

D. R. Stubbings
Technical Director

11 Description

The TC range of cable glands devices are designed to be threaded into suitably certified enclosures to permit the entry of un-armoured cables. Each gland comprises a threaded front item housing an elastomeric sealing ring assembly. The assembly is compressed by a threaded rear nut.

The TCCG type gland is a lighter weight version of the TC type gland and does not include an O-ring on the front entry item.

Materials of manufacture:

The standard material supplied is:

Brass	BS EN 12164:2011/ BS EN 12168:2011 Grade CuZn39Pb3 (CW614N) All brass manufactured component parts can be optionally nickel plated to a maximum of 0.008mm

Alternate materials are:

Stainless steel	BS EN 10088-3:2014 Grades 316S11, 316S13, 316S31, 316S33, 316L
Mild steel	BS EN 10277-2:2008 Grades 220M07, 230M07 (EN1A) / 220M07Pb, 230M07Pb (EN1APb)
Aluminium	BS EN 573-3:2013 / BS EN 755-1-3:2008 Grade 6082 T6, 6262 T6 / BS EN 1676:2010 Grade LM25 TF

Alternative entry component thread forms:

Metric	ISO 965-1, ISO 965-3 medium fit (6g) for external threads
ET (Conduit)	BS31:1940 (1979), Table A
PG	DIN 40430:1971
BSPP	BS2779:1986 class A full form for external threads
BSPT	BS21:1985 standard threads only as clause 5.4, gauging to clause 5.2 system A
ISO	ISO 7/1:1994, gauging to ISO 7/2 clause 6.3 for external threads
NPT	ANSI/ASME B1.20.1-2013 gauging to clause 3.2 for external threads
NPSM	ANSI/ASME B1.20.1-2013 gauging to clause 6.4 for external threads

The gland seal sizes are proportional to the cable outer diameter as shown in the table below:

Size designation	Cable range (mm)	Comment
20s	3.2 -7.0	
20	6.5 - 14.0	removable insert
25	11.1 - 20.0	removable insert
32	17.0 - 26.3	removable insert
40	23.5 - 32.2	removable insert
50s	31.0- 38.2	removable insert
50	35.6 -44.1	

Size designation	Cable range (mm)	Comment
63s	41.5 - 50.1	
63	47.2 - 56.0	
75s	54.0 - 62.0	
75	61.1 - 68.0	
90	66.6 - 80.0	
100	76.0 - 90.0	

12 Certificate history and evaluation reports

Issue	Date	Associated report	Notes
0	12 July 2021	R13914AW/00	Issue of the prime certificate. CML 18ATEX1334X, Issue 0 is attached and shall be referred to in conjunction with this certificate.

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 glands shall only be fitted to enclosures where the temperature, at the point of mounting, is below 110°C.
ii. The cable shall be effectively clamped as close as possible to the gland.
iii. When used for increased safety (Ex e) or dust protection by enclosure (Ex t) applications, the user shall provide a suitable interface seal between the gland and associated enclosure to maintain the appropriate level of ingress protection of IP54 for increased safety and IP6X for dust protection by enclosure.

Certificate Annex

Certificate Number	**CML 21UKEX1260X**
Equipment	**Type TC and TCCG Range of Cable Glands**
Manufacturer	**CMP Products Ltd**

The following documents describe the equipment defined in this certificate:

Issue 0

For drawings describing the equipment, refer to attached certificate CML 18ATEX1334X. In addition to the drawings listed on CML 18ATEX1334X, the following drawings include the additional marking required for this UK Type Examination certification:

Drawing No	Sheets	Rev	Approved date	Title
GA204	1 of 1	02	12 July 2021	TCCG GA DRAWING
GA300	1 of 1	02	12 July 2021	TC GA DRAWING