UK Type Examination Certificate CML 21UKEX1262X 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 TMC2 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 60079-7:2015+A1:2018 EN 60079-31:2014

10 The equipment shall be marked with the following:

Ex II 2G Ex II 1D

Ex eb IIC Gb Ex ta IIIC Da

11 Description

The TMC2 Range of Cable Glands are designed to be threaded into suitably certified enclosures to permit the entry of metal clad (MC) cables. Each gland comprises a threaded front item and a nut housing an elastomeric sealing ring and clamping spring assembly. The assembly is compressed by the rear threaded rear nut.

Materials of manufacture:

The standard material supplied is:

Aluminium	BS EN 573-3:2013 / BS EN 755-1-3:2008 Grade 6082 T6, 6262 T6 / BS EN 1676:2010 Grade LM25 TF

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)
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

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

Gland / seal sizes are proportional to the cable outer diameter as the table below:

Size designation	Cable outer sheath diameter range (mm)	Standard NPT entry thread	Alternative
TMC2050S	12.7-19.05	½”	¾”
TMC2050	17.53-25.10	½”	¾”
TMC2075	22.11-30.00	¾”	1”
TMC2100	25.91-34.85	1”	1 ¼”
TMC2125S	33.02-41.20	1 ¼”	1 ½”
TMC2125	39.88-48.28	1 ¼”	1 ½”
TMC2150S	41.91-50.82	1 ½”	2”
TMC2150	48.50-59.10	1 ½”	2”

Size designation	Cable outer sheath diameter range (mm)	Standard NPT entry thread	Alternative
TMC2200S	48.50-59.10	2”	2 ½”
TMC2200	57.70-69.00	2”	2 ½”
TMC2250	57.70-69.00	2 ½”	3”
TMC2300	66.50-82.70	3”	3 ½”
TMC2350	80.30-95.60	3 ½”	4”
TMC2400	94.00-108.00	4”	-

Issue	Date	Associated report	Notes
0	12 July 2021	R13914AY/00`	Issue of the prime certificate. CML 18ATEX1335X, 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.

12 Conditions of Manufacture

None.

13 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 21UKEX1262X**
Equipment	**Type TMC2 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 18ATEX1335X. In addition to the drawings listed on CML 18ATEX1335X, the following drawings include the additional marking required for this UK Type Examination certification:

Drawing No	Sheets	Rev	Approved date	Title
GA205	1 of 1	04	12 July 2021	TMC2 GA DRAWING