



1 **EC TYPE-EXAMINATION CERTIFICATE**

2 Equipment intended for use in Potentially Explosive Atmospheres Directive 94/9/EC

3 Certificate Number: **Sira 09ATEX1164X** Issue: **0**

4 Equipment: **TMC2 Range of Cable Glands**

5 Applicant: **CMP Products Limited**

6 Address: Glasshouse Street
St. Peters
Newcastle-upon-Tyne
Tyne & Wear
NE6 1BS
UK

7 This equipment and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

8 Sira Certification Service, notified body number 0518 in accordance with Article 9 of Directive 94/9/EC of 23 March 1994, 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 Annex II to the Directive.

The examination and test results are recorded in the confidential reports listed in Section 14.2.


9 Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule to this certificate, has been assured by compliance with the following documents:

EN 60079-0:2006 EN 60079-7:2007 EN 61241-1:2004
IEC 60079-0:2007 (used for guidance in respect of marking and general requirements for dust)

10 If the sign 'X' is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.

11 This EC type-examination certificate relates only to the design and construction of the specified equipment. If applicable, further requirements of this Directive apply to the manufacture and supply of this equipment.

12 The marking of the equipment shall include the following:

 II 2GD
Ex e IIC Gb
Ex ta IIIC Da

Project Number 51L17461
C. Index 07

C Ellaby
Certification Officer

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SCHEDULE

EC TYPE-EXAMINATION CERTIFICATE

Sira 09ATEX1164X
Issue 0

13 DESCRIPTION OF EQUIPMENT

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.

The metallic parts may be manufactured in the following materials:

Brass CuZn39Pb
Aluminium LM25 or 6082 T6
Stainless steel grade 316
Mild steel grade 220M07

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

Type designation	Cable outer sheath diameter range (mm)	Standard NPT entry thread	Alternative
TMC2050S	12.7-19.05	1/2"	3/4"
TMC2050	17.53-25.10	1/2"	3/4"
TMC2075	22.11-30.00	3/4"	1"
TMC2100	25.91-34.85	1"	1 1/4"
TMC2125S	33.02-41.20	1 1/4"	1 1/2"
TMC2125	39.88-48.28	1 1/4"	1 1/2"
TMC2150S	41.91-50.82	1 1/2"	2"
TMC2150	48.50-59.10	1 1/2"	2"
TMC2200S	48.50-59.10	2"	2 1/2"
TMC2200	57.70-69.00	2"	2 1/2"
TMC2250	57.70-69.00	2 1/2"	3"
TMC2300	66.50-82.70	3"	3 1/2"
TMC2350	80.30-95.60	3 1/2"	4"
TMC2400	94.00-108.00	4"	-

Available thread types:

Metric	ISO 965-1, ISO965-3 medium fit (6g) for external threads
ET(Conduit)	BS 31:1940 (1979), Table A.
PG	DIN 40430:1971.
BSPP	BS 2779:1973 class A full form for external threads.
BSPT	BS 21:1985 standard threads only as clause 5.4, gauging to clause 5.2, system A. ISO7/1:1982, gauging to ISO 7/2 clause 6.3 for external threads.
NPT	ANSI/ASME B1.20.1-1983 gauging to clause 8.1 for external threads.
NPSM	ANSI/ASME B1.20.1-1983 gauging to clause 9 for external threads.

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Sira Certification Service

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14 DESCRIPTIVE DOCUMENTS

14.1 Drawings

Refer to Certificate Annexe.

14.2 Associated Sira Reports and Certificate History

Issue	Date	Report number	Comment
0	24 August 2009	R51L17461B	The release of the prime certificate.

15 SPECIAL CONDITIONS FOR SAFE USE (denoted by X after the certificate number)

- 15.1 The glands shall only be fitted to enclosures where the temperature, at the point of mounting, is below 110°C.
- 15.2 The cable shall be effectively clamped as close as possible to the gland.
- 15.3 When used for 'Ex e' or 'Ex ta' applications the user shall provide a suitable interface seal between the gland and associated enclosure to maintain the level of ingress protection of the enclosure they are fitted to.

16 ESSENTIAL HEALTH AND SAFETY REQUIREMENTS OF ANNEX II (EHSRs)

The relevant EHSRs that are not addressed by the standards listed in this certificate have been identified and individually assessed in the reports listed in Section 14.2.

17 CONDITIONS OF CERTIFICATION

- 17.1 The use of this certificate is subject to the Regulations Applicable to Holders of Sira Certificates.
- 17.2 Holders of EC type-examination certificates are required to comply with the production control requirements defined in Article 8 of directive 94/9/EC.

Certificate Annexe

Certificate Number: Sira 09ATEX1164X
Equipment: TMC2 Range of Cable Glands
Applicant: CMP Products Limited



Issue 0

Drawing	Sheets	Issue	Date (Sira stamp)	Title
GA205	1 of 1	02	12 Aug 09	TMC2 Arrangement

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