



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: issue No.: Certificate history:

Status:

Date of Issue: Page 1 of 4

Applicant: **CMP Products Limited**
Glasshouse Street
St. Peters
Newcastle-upon-Tyne
Tyne & Wear NE6 1BE
United Kingdom

Electrical Apparatus: **Type TMC2 Range of Cable Glands**
Optional accessory:


Type of Protection: **Increased Safety and Dust**

Marking: **Ex e IIC Gb**
Ex ta IIIC Da

Approved for issue on behalf of the IECEx Certification Body: **C Ellaby**

Position: **Certification Officer**

Signature:
(for printed version)



2009-09-02

Date:

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:
SIRA Certification Service
Rake Lane
Eccleston
Chester
CH4 9JN
United Kingdom

sira
CERTIFICATION



IECEX Certificate of Conformity

Certificate No.: IECEX SIR 09.0068X

Date of Issue: 2009-09-02

Issue No.: 0

Page 2 of 4

Manufacturer: **CMP Products Limited**
Glasshouse Street
St. Peters
Newcastle-upon-Tyne
Tyne & Wear NE6 1BE
United Kingdom

Manufacturing location(s):

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

STANDARDS:

The electrical apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

IEC 60079-0 : 2007-10 Explosive atmospheres - Part 0: Equipment - General requirements
Edition: 5

IEC 60079-7 : 2006-07 Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
Edition: 4

IEC 61241-1 : 2004 Electrical apparatus for use in the presence of combustible dust - Part 1: Protection by enclosures "tD"
Edition: 1

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in

Test Report:

GB/SIR/ExTR09.0131/00

Quality Assessment Report:

GB/SIR/QAR07.0009/00



IECEx Certificate of Conformity

Certificate No.: IECEx SIR 09.0068X

Date of Issue: 2009-09-02

Issue No.: 0

Page 3 of 4

Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

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 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 on the EQUIPMENT (continued) page

CONDITIONS OF CERTIFICATION: YES as shown below:

1. The glands shall only be fitted to enclosures where the temperature, at the point of mounting, is below 110° C.
2. The cable shall be effectively clamped as close as possible to the gland.
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 to which they are fitted.



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Page 4 of 4

EQUIPMENT(continued):

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	½"	¾"
TMC2050	17.53-25.10	½"	¾"
TMC2075	22.11-30.00	¾"	1"
TMC2100	25.91-34.85	1"	1¼"
TMC2125S	33.02-41.20	1¼"	1½"
TMC2125	39.88-48.28	1¼"	1½"
TMC2150S	41.91-50.82	1½"	2"
TMC2150	48.50-59.10	1½"	2"
TMC2200S	48.50-59.10	2"	2½"
TMC2200	57.70-69.00	2"	2½"
TMC2250	57.70-69.00	2½"	3"
TMC2300	66.50-82.70	3"	3½"
TMC2350	80.30-95.60	3½"	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.