



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.:

Status:

Date of Issue: **2010-05-10** Page 1 of 4

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

Electrical Apparatus: **Type 777 Range of Insulated Adaptors**
Optional accessory:

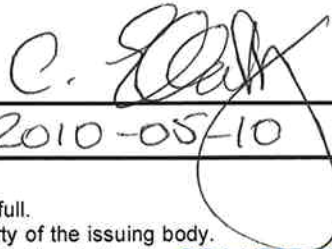
Type of Protection: **Flameproof, Increased Safety and Dust**

Marking: **Ex d IIC Gb / 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)


2010-05-10

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 10.0027U

Date of Issue: 2010-05-10

Issue No.: 0

Page 2 of 4

Manufacturer: **CMP Products Limited**
Glasshouse Street
St. Peters
Newcastle-upon-Tyne
Tyne & Wear NE6 1BS
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
Edition: 5 | Explosive atmospheres - Part 0: Equipment - General requirements |
| IEC 60079-1 : 2007-04
Edition: 6 | Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d" |
| IEC 60079-31 : 2008
Edition: 1 | Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure 't' |
| IEC 60079-7 : 2006-07
Edition: 4 | Explosive atmospheres - Part 7: Equipment protection by increased safety "e" |

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/ExTR10.0087/00](#)

Quality Assessment Report:

[GB/SIR/QAR07.0009/02](#)



IECEx Certificate of Conformity

Certificate No.: IECEx SIR 10.0027U

Date of Issue: 2010-05-10

Issue No.: 0

Page 3 of 4

Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The Type 777 Range of insulated adaptors consists of three parts: a metallic front portion that forms a threaded entry into the equipment, a non-metallic insulator and a metallic rear section that accommodates a gland. An optional variant has the metallic rear section replaced by a complete CMP cable gland which can be supplied separately.

Note that these adaptors shall not be used in conjunction with a blanking device, in addition, only one adaptor shall be installed in any one cable entry.

Thread size combinations:

Available thread sizes

Female	M20 x 1.5	M25 x 1.5	M32 x 1.5	M40 x 1.5	M50 x 1.5	M63 x 1.5	M75 x 1.5	M90 x 2
Male	M20 x 1.5	M25 x 1.5	M32 x 1.5	M40 x 1.5	M50 x 1.5	M63 x 1.5	M75 x 1.5	M90 x 2

Alternative combinations of male and female thread sizes can be used; however, the female thread size can only be the same or one size larger than the male thread size.

CONDITIONS OF CERTIFICATION: NO

Empty box for conditions of certification.



IECEx Certificate of Conformity

Certificate No.: IECEx SIR 10.0027U

Date of Issue: 2010-05-10

Issue No.: 0

Page 4 of 4

EQUIPMENT(continued):

Thread form (Alternative nearest equivalent male and female thread forms to the metric sizes listed above may be utilised from the following types listed):

Metric to ISO965 parts 1 & 3

ET (Conduit) to BS 31:1940 (1979), Tables A

PG to DIN 40430:1971

BSPP to BS 2779:1986 (1973), Class A full form for external threads

BSPT to BS 21:1985, Standard threads only, Gauging to system A

NPT to ANSI/ASME B1.20.1: 1983, Gauging to clause B.1 for external threads

NPSM to ANSI/ASME B1.20.1: 1983, Gauging to clause 9.1.1

All entry threads complying with the requirements of EN 60079-1:2007 Clause 5.3 table 3 or 4 and clause C.2.2 as applicable.

Alternative materials of manufacture (All metallic materials may be optionally nickel-plated):

Brass to BS 2874:1986 grade CuZn39Pb3 (CW614N)

Mild steel to BS 970:Part 1:1991 grade 220M07Pb

Stainless Steel to BS 970:Part 1:1991 grades 316S11, 316S13, 316S31 or 316S33

Aluminium to grade 6082 T6 or BS1474: 1987.

Special Points For Noting

The user/installer shall comply with the following special points for noting:

1. The Type 777 range of insulated adaptors shall not be used in enclosures where the temperature, at the point of mounting, is outside the range of -60°C to +130°C.
2. Based on the smallest male or female thread size used in the construction of the Type 777 Insulated Adaptor that they are installing, the following table shall be used by the installer to determine the maximum, applicable tightening torque and, when the Adaptor is being assembled and fitted into associated equipment, this torque shall not be exceeded.

Smallest male or female thread size	M20	M25	M32	M40	M50	M63	M75	M90
Maximum tightening torque (Nm)	40	55	65	80	100	115	140	180