



1 **EC TYPE-EXAMINATION CERTIFICATE**

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

3 Certificate Number: **Sira 10ATEX1057U** Issue: **0**

4 Component: **Type 777 Range of Insulated Adaptors**

5 Applicant: **CMP Products Limited**

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

7 This component and any acceptable variation thereto are 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 component has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of a component 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: 2009 EN 60079-1:2007 EN 60079-7:2007 IEC 60079-31:2009

10 The sign 'U' is placed after the certificate number to indicate that the product assessed is a component and may be subject to further assessment when incorporated into equipment. Any special conditions for safe use are listed in the schedule to this certificate.

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

12 The marking of the component shall include the following:



II 2GD
Ex d IIC Gb / Ex e IIC Gb / Ex ta IIIC Da

Project Number 19831
C. Index 07

C Ellaby
Certification Officer

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SCHEDULE

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13 DESCRIPTION OF COMPONENT

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.

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:

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.

Additionally, all metallic materials may be optionally nickel-plated.



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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 no.	Comment
0	28 April 2010	R19831A/00	The release of prime certificate.

15 SPECIAL CONDITIONS FOR SAFE USE

15.1 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.

15.2 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

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 10ATEX1057U
Component: Type 777 Range of Insulated Adaptors
Applicant: **CMP Products Limited**



Issue 0

Number	Sheet	Rev.	Date	Description
GA266	1 of 1	00	09 Apr 10	777 Insulated adaptor GA drawing

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