EU Type Examination Certificate CML 18ATEX1328U Issue 0

1 Equipment intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU

2 Component **Type 777 Range of Insulated Adaptors**

3 Manufacturer **CMP Products Ltd**

4 Address **Unit 36 Nelson Way,**
Nelson Park East,
Cramlington, NE23 1WH,
United Kingdom

5 The equipment component is specified in the description of this certificate and the documents to which it refers.

6 CML B.V. , Chamber of Commerce No 6738671, Hoogoorddreef 15, Amsterdam, 1101 BA, The Netherlands, Notified Body Number 2776, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this component 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 12.

7 The 'U' suffix after the certificate number indicates that the equipment component is subject to conditions of safe use (affecting correct installation or safe use). These are specified in Section 14.

8 This EU Type Examination certificate relates only to the design and construction of the specified equipment or component. Further requirements of Directive 2014/34/EU Article 13 apply to the manufacture of the equipment or component and are separately certified.

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 60079-1:2014 EN 60079-7:2015+A1:2018

EN 60079-31:2014

10 The equipment shall be marked with the following:

Ex II 2G

Ex db IIC Gb
Ex eb IIC Gb

Ex II 1D

Ex ta IIIC Da

R C Marshall
Certification Officer

11 Description

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 when used in flameproof enclosures shall not be used in conjunction with a blanking device, in addition, only one adaptor shall be installed in any one cable entry.

Materials of manufacture:

The standard material supplied is:

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

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

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

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.

Notes:

- Sira 10ATEX1057U and IECEx SIR 10.0027U is superseded by this certificate.
- The product covered by Issue 0 of this certificate remains identical to that previously covered by Sira 10ATEX1057U and IECEx SIR 10.0027U.
- Where Sira 10ATEX1057U and/or IECEx SIR 10.0027U is specified in other product certification, or other technical specifications, this certificate reference for the product shall be used in its place; updating of the other product certificate or technical specification is not required.

12 Certificate history and evaluation reports

Issue	Date	Associated report	Notes
0	26 Mar 2019	R12060G/00	Issue of Prime Certificate

Note: Drawings that describe the equipment or component are listed in the Annex.

13 Conditions of Manufacture

None.

14 Schedule of Limitations

The following conditions relate to safe installation and/or use of the equipment.

i. 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.

ii. 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

Certificate Annex

Certificate Number	**CML 18ATEX1328U**
Equipment	**Type 777 Range of Insulated Adaptors**
Manufacturer	**CMP Products Ltd**

The following documents describe the equipment or component defined in this certificate:

Issue 0

Drawing No	Sheets	Rev	Approved date	Title
GA266	1 of 1	01	26 Mar 2019	Type 777 General arrangement and marking