



1 **EC TYPE-EXAMINATION CERTIFICATE**

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

3 Certificate Number: **Sira 14ATEX1033U** Issue: **0**

4 Component: **Type 787 Range of Right-Angled Adaptors**

5 Applicant: **CMP Products Ltd**

6 Address: **Glasshouse Street
St Peters
Newcastle upon Tyne
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 60079-0:2012 EN 60079-1:2007 EN 60079-7:2007 EN 60079-31:2009

The above list of documents may detail standards that do not appear on the UKAS Scope of Accreditation, but have been added through Sira's flexible scope of accreditation, which is available on request.

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 2 G
II 1 D
I M2 (not aluminium)
Ex e IIC Gb
Ex d IIC Gb
Ex ta IIIC Da
Ex e I Mb
Ex d I Mb

A C Smith
Certification Manager

Project Number 31308

This certificate and its schedules may only be reproduced in its entirety and without change.



SCHEDULE

EC TYPE-EXAMINATION CERTIFICATE

Sira 14ATEX1033U
Issue 0

13 DESCRIPTION OF COMPONENT

The Type 787 Range of Right-Angled Adaptors has a male thread at one end and a female thread at 90° to the male thread. They are intended to provide cable entry options where space is limited or to avoid cable damage. Additionally, they may be used to convert an existing cable entry aperture to a different thread form and/or size. Male thread forms are between M20x1.5 and M100x2.0 and combinations such that a maximum of one 'standard' size difference is maintained. The male thread may be fitted with an optional O-ring seal. The type 787 range has been tested and assessed to achieve a minimum IP rating of IP64 by Sira. IP ratings exceeding IP64 have not been endorsed by Sira but may be marked on the adaptors.

Design Options

Threadform:

Alternative nearest equivalent male and female threadforms to the metric sizes listed above may be utilised from the following types listed:

ET Conduit	BS 31:1940 (1979)
PG	DIN 40430:1971
BSPP	BS 2779:1973
BSPT	BS 21:1985
ISO	ISO 7/1:1982
NPT	ANSI/ASME B1.20.1-1983
NPT	USAS B2.1.20.1-1983
NPSM	ANSI/ASME B1.20.1-1983
BSW	BS 84:1956

Alternative materials of manufacture:

Brass	BS EN 12164:1998/BS1400
Aluminium	BS EN 755 Part 6:1996/BS EN 1706 (Not Group I)
Mild Steel	BS EN 10088 Part 3:1995
Stainless Steel	BS EN 10088 Part 3:1995

Manufacturing methods:

	Male x Female metric thread size									
	M20xM16	M25xM20	M32xM25	M40xM32	M50xM40	M63xM50	M75xM63	M80xM75	M90xM80	M100xM90
Brass	M / C	M / C	M / C	M / C	M / C	M	M	M	M	M
Aluminium	M	M	M	M	M	M	M	M	M	M
Mild Steel	M / C	M / C	M / C	M / C	M / C	M	M	M	M	M
St. Steel	M / C	M / C	M / C	M / C	M / C	M	M	M	M	M

M – Machined C – Cast

14 DESCRIPTIVE DOCUMENTS

14.1 Drawings

Refer to Certificate Annexe.

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Sira Certification Service

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14.2 Associated Sira Reports and Certificate History

Issue	Date	Report number	Comment
0	20 March 2014	R31308A/00	The release of the prime certificate.

15 SPECIAL CONDITIONS FOR SAFE USE

15.1 The following thread forms and sizes of the machined versions of the Type 787 right-angle adaptors shall not be subjected to installation torques above the values in the tables below. No limitations apply to the cast versions of the Type 787 right-angle adaptors.

Male threads	Nm
M25	53
M32	53
M40	53
M90	166
M100	166

Female threads	Nm
M25	40
M32	40
M50	80
M75	115
M90	115

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 14ATEX1033U
Component: Type 787 Range of Right-Angled Adaptors
Applicant: CMP Products Ltd



Issue 0

Drawing No.	Sheets	Rev.	Date (Sira Stamp)	Title
GA135	1	02	06 Mar14	Type 787 Right Angle Adaptors
SCH0363	1	00	19 Feb 14	Male – Male Adaptor / Reducer Chart

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