



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.: **IECEx SIR 14.0014U** issue No.: **0** [Certificate history:](#)

Status: **Current**

Date of Issue: **2014-03-20** Page 1 of 3

Applicant: **CMP Products Ltd**
Glasshouse Street
St Peters
Newcastle upon Tyne
NE6 1BS
United Kingdom

Electrical Apparatus: **Type 787 Range of Right-Angled Adaptors**
Optional accessory:

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

Marking: **Ex e IIC Gb
Ex d IIC Gb
Ex ta IIIC Da
Ex e I Mb
Ex d I Mb**

Approved for issue on behalf of the IECEx
Certification Body:

A C Smith

Position:

Certification Manager

Signature:
(for printed version)

Date:

2014 - 03 - 20

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](#).

Certificate issued by:

SIRA Certification Service
Rake Lane
Eccleston
Chester
CH4 9JN
United Kingdom

sira
CERTIFICATION



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Manufacturer: **CMP Products Ltd**
Glasshouse Street
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NE6 1BS
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Additional 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 : 2011 Edition: 6.0	Explosive atmospheres - Part 0: 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/ExTR14.0066/00](#)

Quality Assessment Report:

[GB/SIR/QAR07.0009/04](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

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.

See Annexe for Design Options and Schedule of Limitations.

CONDITIONS OF CERTIFICATION: NO

Annexe to: IECEx SIR 14.0014U Issue 0
Applicant: CMP Products Ltd
Apparatus: Type 787 Range of Right-Angled 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

Schedule of Limitations

The user/installer shall comply with the following:

- 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