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 07.0055U issue No.:0

Certificate history:

Status: **Current**

Date of Issue: **2007-08-31** Page 1 of 3

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

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

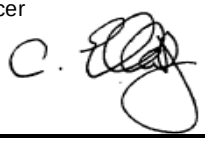
Type of Protection: **Flameproof, increased safety and dust**

Marking: **Ex d I / Ex e I / Ex d IIC / Ex e II / Ex tD A21 IP6X**

Approved for issue on behalf of the IECEx Certification Body: C Ellaby

Position: Certification Officer

Signature:
(for printed version)



Date: **2007-08-31**

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

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Certificate No.: IECEx SIR 07.0055U

Date of Issue: **2007-08-31** Issue No.: **0**

Manufacturer: **CMP Products Limited**
Glasshouse Street
St Peters
Newcastle upon Tyne NE6 1BE
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 manufacture'rs 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 : 2004 Edition: 4.0	Electrical apparatus for explosive gas atmospheres - Part 0: General requirements
IEC 60079-1 : 2003 Edition: 5	Electrical apparatus for explosive gas atmospheres - Part 1: Flameproof enclosure 'd'
IEC 60079-7 : 2006-07 Edition: 4	Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
IEC 61241-0 : 2004 Edition: 1	Electrical apparatus for use in the presence of combustible dust - Part 0: General requirements
IEC 61241-1 : 2004 Edition: 1	Electrical apparatus for use in the presence of combustible dust - Part 1: Protection by enclosures "tD"

*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/ExTR07.0064/00

Quality Assessment Report:
GB/SIR/QAR07.0009/00

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Schedule

EQUIPMENT:
Equipment and systems covered by this certificate are as follows:

The **Type 787 Range** of Right-Angled Adaptors, manufactured from a metallic block body to either BS EN 12164:1998 or BS1400 with a male thread at one end and a female thread machined into the body 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 M20 x 1.5 and M100 x 2.0 and combinations such that a maximum of one 'standard' size difference is maintained. Additionally the male thread may also be fitted with an optional O-ring seal.

Products can be marked with one or more of the following integral marking codes:

Ex d I / Ex e I / Ex d IIC / Ex e II / Ex tD A21 IP6X

See Annexe for design options and schedule of limitations

CONDITIONS OF CERTIFICATION: NO

Annexe: 07_0055U_Issue0_Annexe.pdf

Annexe to: IECEx SIR 07.0055U

Applicant: CMP Products Ltd

Apparatus: Type 787 Range of Right-Angled Adaptors

General Design Options

Thread form:

Male thread forms are between M20 x 1.5 and M100 x 2.0 and combinations such that a maximum of one 'standard' size difference is maintained. Alternative nearest equivalent male and female thread forms to the metric sizes 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 B2.1.20.1-1968 (Metallic designs only)
NPSM	-	ANSI/ASME B1.20.1-1983
BSW	-	BS 84:1956 (Metallic designs only)

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

The user shall be advised of the following special points for noting:

1 Only one of these devices shall be used per cable entry.

2 The following right angled adaptors thread form and sizes shall not be subjected to installation torques above the following values:

Male threads	Nm
M25	53
M32	53
M40	53
M90	166
M100	115

Female threads	Nm
M32	40
M40	40
M90	166

Date: 31 August 2007

Sira Certification Service
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