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 09.0042X issue No.:1

Status: **Current**

Date of Issue: **2010-12-16**

Certificate history:
Issue No. 1 (2010-12-16)
Issue No. 0 (2009-4-30)

Applicant:
CMP Products Limited
36 Nelson Way
Nelson Park Way
Cramlington NE23 1WH
United Kingdom

Electrical Apparatus: **Type TC Range of Cable Glands.**
Optional accessory:

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

Marking: **Ex d IIC/ Ex e IIC Gb**
Ex ta IIIC Da

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

Position: Certification Officer

Signature:
(for printed version)

Date: 2010-12-16

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 Limited**
36 Nelson Way
Nelson Park Way
Cramlington NE23 1WH
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 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 : 2007-10 Edition: 5	Explosive atmospheres - Part 0:Equipment - General requirements
IEC 60079-1 : 2007-04 Edition: 6	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
IEC 60079-7 : 2006-07 Edition: 4	Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
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/ExTR09.0054/00
GB/SIR/ExTR10.0299/00

Quality Assessment Report:

GB/SIR/QAR06.0011/00
GB/SIR/QAR07.0009/02

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Schedule

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

The devices are designed to be threaded into suitably certified enclosures to permit the entry of un-armoured cables. Each gland comprises a threaded front item housing an elastomeric sealing ring assembly. The assembly is compressed by a threaded rear nut.
The metallic parts may be manufactured in the following materials:
Brass CuZn39Pb
Aluminium LM25 or 6082 T6
Stainless steel grade 316
Mild steel grade 220M07
See EQUIPMENT (continued) for Gland Sizes

CONDITIONS OF CERTIFICATION: YES as shown below:

1. The glands shall only be fitted to enclosures where the temperature is below 110°C, at the point of mounting.
2. The cable shall be effectively clamped as close as possible to the gland.
3. When used for 'Ex e' (IP54) or 'Ex ta' (IP6X) applications the user shall provide a suitable interface seal between the gland and associated enclosure to maintain the appropriate level of ingress protection.

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EQUIPMENT(continued):

Gland / seal sizes are proportional to the cable outer diameter as shown in the table below:

Size designation	Cable range (mm)
20s	3.2 – 7.0
20*	6.5 – 14.0
25*	11.1 – 20.0
32*	17.0 - 26.3
40*	23.5 – 32.2
50s*	31.0 – 38.2
50	35.6 – 44.1
63s	41.5 – 50.1
63	47.2 – 56.0
75s	54.0 – 62.0
75	61.1 – 68.0
90	66.6 – 80.0
100	76.0 – 90.0
* removable insert	

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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

Issue 1 – this Issue introduced the following changes:	
1	The introduction of the TCCG type gland, this is a lighter weight gland and does not include an O-ring on the front entry item.