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 13.0027X	Issue No: 0	Certificate history: Issue No. 0 (2013-05-03)
Status:	**Current**	Page 1 of 4	
Date of Issue:	**2013-05-03**		

Applicant:

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

Electrical Apparatus: **Cable Gland Types PX****

Optional accessory:

Type of Protection: **Flameproof, Increased Safety, Restricted Breathing and Dust Protection by Enclosure**

Marking:

Ex e I Mb Note 1	Ex e IIC Gb	Ex ta IIIC Da
Ex d I Mb Note 1	Ex d IIC Gb	
	Ex nR IIC Gc	
	Ta =	-60°C to +85°C

Note 1 Not applicable to PXRC

Approved for issue on behalf of the IECEx Certification Body: P J Walsh

Position: Technical Advisor

Signature:
(for printed version)

Date:

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:

IECEx Certificate of Conformity

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

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

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 60079-15 : 2010 Edition:4	Explosive atmospheres - Part 15: Equipment protection by type of protection "n"
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/ExTR13.0066/00

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 PX** series Type ranges of barrier cable glands consist of a male-threaded front entry component, fitted with a barrier tube such that a spigot/combination joint is formed, which is intended to screw into an entry point of its associated enclosure in accordance with relevant codes of practice. The barrier tube is filled with a sealing material that creates a flameproof seal around the cable cores passing through it and is mechanically retained. The front entry component to main body mating thread may be fitted with an optional 'O' ring seal to provide increased ingress protection. Clamping of the armour or braid is effected by a combination of the front entry component and the different optional armour cone and reversible sleeve combinations within the main body being fastened together. An outer seal nut threads onto the main body and creates an environmental seal between the gland and cable outer sheath. The outer seal nut contains an elastomeric sealing ring and a Nylon 6 ferrule.

For Design Options and additional information refer to the Annexe

CONDITIONS OF CERTIFICATION: YES as shown below:

1. The glands when used for terminating braided cables are only suitable for fixed installations. Cables must be effectively clamped to prevent pulling or twisting.
2. The PXB2KW gland is to be protected from hydraulic fluids, oils, and greases when applied for Group I use.
3. When the cable glands are supplied with an entry thread that is one size up from the nominal gland size, designated with the letter 'B' after the gland size, e.g. 32**B******, they shall not be used with any adaptor device.
4. When assembled for fitting to flexible conduit, the conduit shall be effectively clamped to prevent twisting and pulling.
5. The PX range of cable glands with entry threads smaller than a M25 (or equivalent) size shall not be used for Group I, Category M2 applications where there is a 'high' risk of mechanical damage.

Annex:

IECEx SIR 13.0027X Annexe Issue 0 .pdf