



# 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](http://www.iecex.com)

Certificate No.: IECEx SIR 13.0023X Issue No: 3 Certificate history:  
Status: **Current** Page 1 of 4 Issue No. 3 (2014-12-17)  
Date of Issue: **2014-12-17** Issue No. 2 (2014-12-01)  
Issue No. 1 (2013-07-03)  
Issue No. 0 (2013-05-03)  
Applicant: **CMP Products Ltd**  
Glasshouse Street  
St Peters  
Newcastle upon Tyne NE6 1BS  
**United Kingdom**  
Electrical Apparatus: **Cable Gland Types A\*\***  
*Optional accessory:*  
Type of Protection: **Flameproof, Increased Safety, Restricted Breathing and Dust Protection by Enclosure**  
Marking:  
Ex e I Mb  
Ex d I Mb  
Ex e IIC Gb  
Ex d IIC Gb  
Ex nR IIC Gc  
Ex ta IIIC Da

Approved for issue on behalf of the IECEx  
Certification Body:

C Ellaby

Position:

Deputy Certification Manager

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](http://www.iecex.com).

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  
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:

<b>IEC 60079-0 : 2011</b> Edition:6.0	Explosive atmospheres - Part 0: General requirements
<b>IEC 60079-1 : 2007-04</b> Edition:6	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
<b>IEC 60079-15 : 2010</b> Edition:4	Explosive atmospheres - Part 15: Equipment protection by type of protection "n"
<b>IEC 60079-31 : 2008</b> Edition:1	Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure 't'
<b>IEC 60079-7 : 2006-07</b> 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](#)

[GB/SIR/ExTR14.0282/00](#)

[GB/SIR/ExTR14.0307/00](#)

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 A2F range of cable glands are metallic and are intended to terminate circular braided or unarmoured cables into a threaded entry point within enclosures without compromising the explosion protection provided by the enclosures in accordance with relevant codes of practice. They consist of a male-threaded front entry component and a seal actuation nut. The front entry component fitted with an elastomeric displacement sealing ring, and nylon 6 stepped skid washer, is intended to screw into an entry point of its associated enclosure. The seal actuation nut threads into the front entry component thereby effecting flameproof and environmental sealing onto the cable outer sheath.

For additional information refer to the Annexe

### CONDITIONS OF CERTIFICATION: YES as shown below:

The user/installer shall comply with the following:

1. The cable glands shall only be used where the temperature, at the point of entry, is in the following ranges:

Outer sheath seal material	Temperature range	Colour I.D.
EPDM 70 (5079B115)	-60°C to +130°C.	Black
FKM 70 (9079B0662)	-20°C to +200°C	Red (muddy brown)

2. When the cable 'gland size' is supplied with an entry thread that is one size up from the standard cable 'gland size', e.g. M40 instead of M32, designated gland type prefixed 'B', they shall not be used with any thread adaptor/reducer.
3. Gland size 20 of cable glands types CA2F, CA2E, CA2F-RC, CA2F-FC, CA2F-HC, CA2F-FF and CA2E-FF shall not be used for Group I, Category M2 applications where there is a 'high' risk of mechanical damage.
4. For Ex d applications, cable glands types CA2F, CA2F-RC, CA2F-FC, CA2F-HC and CA2F-FF are to be installed in associated Ex d equipment having a minimum wall thickness as follows:  
  
10.5 mm minimum for cable gland having entry thread sizes M16x1.5 to M75x1.5.  
  
12.5 mm minimum for cable gland having entry thread sizes M90x2.0 to M115x2.0.



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

For Details of Certificate Changes refer to Annexe.

**Annex:**

[IECEX SIR 13.0023X Annexe Issue 3.pdf](#)