



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 CML 18.0177X Issue No: 0 Certificate history:
Issue No. 0 (2019-02-18)

Status: **Current**

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Date of Issue: **2019-02-18**

Applicant: **CMP Products Limited**
Unit 36 Nelson Way,
Nelson Park East,
Cramlington,
Northumberland, NE23 1WH
United Kingdom

Equipment: **Type 737, 747, 757, 767 and 797 Ranges of Adaptors, Reducers and Stopping Plugs**
Optional accessory:

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

Marking:

Metallic Versions

Non-metallic Versions

Ex db I Mb / Ex eb I Mb

Ex eb IIC Gb

Ex db IIC Gb / Ex eb IIC Gb

Ex ta IIIC Da

Ex ta IIIC Da

(Note: Equipment marked with mining code are not available in Aluminium)

*Approved for issue on behalf of the IECEX
Certification Body:*

A Snowdon MIET

Position:

Certification Officer

*Signature:
(for printed version)*

A Snowdon

Date:

February 18, 2019

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:

Certification Management Limited
Unit 1, Newport Business Park
New Port Road
Ellesmere Port, CH65 4LZ
United Kingdom





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Manufacturer: **CMP Products Limited**
Unit 36 Nelson Way,
Nelson Park East,
Cramlington,
Northumberland, NE23 1WH
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 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 : 2017 Edition:7.0	Explosive atmospheres - Part 0: Equipment - General requirements
IEC 60079-1 : 2014-06 Edition:7.0	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
IEC 60079-31 : 2013 Edition:2	Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
IEC 60079-7 : 2015 Edition:5.0	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/CML/ExTR18.0299/00](#)

Quality Assessment Report:

[GB/CML/QAR19.0001/00](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Type 737, 747, 757, 767 and 797 Ranges of Adaptors, Reducers and Stopping Plugs.

See Annex for full description and Conditions of Manufacture.

SPECIFIC CONDITIONS OF USE: YES as shown below:

Refer to Annex for Specific Conditions of Use.

Annex:

[Certificate Annex IECEx CML 18.0177X Iss 0.pdf](#)

Annexe to: IECEx CML 18.0177X, Issue 0
Applicant: CMP Products Limited
Apparatus: Type 737, 747, 757, 767 and 797 Ranges of Adaptors, Reducers and Stopping Plugs



Description

Types 737 and 797 Range of Adaptors and Reducers

The Type 737 Range of Adaptors and Reducers are manufactured from metallic or non-metallic material and are used to convert an existing cable entry aperture to another thread form and/or size in an enclosure. They comprise a hollow hexagonal body, partly threaded from both ends, one end having a male thread and the other a female thread. Additionally, they may be used to convert an existing cable entry aperture to a different thread form and/or size. When structured as an adaptor the female thread is larger than the male thread, a maximum of two "standard" size differences is allowed. When structured as a reducer the female thread is smaller than the male thread. The adaptors and reducers may also be fitted with an optional O-ring seal.

The Type 797 Range of Adaptors with entry thread form sizes between M16 x 1.5 and M100 x 2.0, intended for mounting to a threaded entry point on enclosures. They are metallic and are used to convert an existing cable entry aperture to the opposite male or female thread form. They comprise a hollow body partly threaded from both sides with either male threads or female threads at each end. Additionally, they may be used to convert an existing cable entry aperture to a different thread form and/or size. Thread combinations are such that a maximum of two 'standard' size differences is maintained. The male to male threaded adaptors may also be fitted with optional O-ring seals.

Design options for the Type 737 and 797 ranges:

Typical thread forms:

Note: Table below shows one 'standard' size difference; other combinations are possible as detailed above.

Adaptors	
Male thread form	Female thread form
M16x1.5*	M20x1.5*
M20x1.5	M25x1.5
M25x1.5	M32x1.5
M32x1.5	M40x1.5
M40x1.5	M50x1.5
M50x1.5	M63x1.5
M63x1.5	M75x1.5
M75x1.5	M90x2.0
M90x2.0*	M100x2.0*

Reducers	
Male thread form	Female thread form
M20x1.5	M16x1.5
M25x1.5	M20x1.5
M32x1.5	M25x1.5
M40x1.5	M32x1.5
M50x1.5	M40x1.5
M63x1.5	M50x1.5
M75x1.5	M63x1.5
M90x1.5	M75x2.0
M100x2.0*	M90x2.0*

- i. The Type 737 is available in non-metallic and metallic sizes. Those marked with * are for metallic sizes, only.
- ii. Intermediate sizes of threads within the range above providing the same or greater wall thickness e.g. M80.

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Alternative nearest equivalent male thread forms:

ET Conduit	BS 31:1940 (1979)
PG	DIN 40430:1971
BSPP	BS 2779:1986
BSPT	BS 21:1985
ISO	ISO 7/1:1994 (Metallic designs only)
NPT	ANSI/ASME B1.20.1-2013
NPT	USAS B2.1-1968 (Metallic designs only)
NPSM	ANSI/ASME B1.20.1-2013
BSW	BS 84:1956 (Metallic designs only)

Alternative material of manufacture:

Brass	BS EN 12164:2011 / BS EN 12168:2011
Aluminium	BS EN 573-3:2013 / BS EN 755-1-3:2008 / BS EN 1676:2010 (not Group I)
Mild Steel	BS EN 10277-2:2008
Stainless Steel	BS EN 10088-3:2014
Glass reinforced flame-retardant nylon (737 range only) (Not Group I)	

Types 747, 757 and 767 Ranges of Stopping Plugs

The Type 747 Range of Stopping Plugs are manufactured from metallic or non-metallic material and comprise a cylindrical body with an external male thread along their length with the exception of a portion at one end. Each has a socket head recess to allow fitting and removal. The Stopping Plugs are available in two forms designated as either non-tamperproof or tamperproof by the manufacturer. When fitted into an enclosure, the socket head recess of the non-tamperproof version is accessible from the outside, whilst the socket head recess of the tamperproof version is only accessible from the inside.

The Type 757 Range of Stopping Plugs are manufactured from metallic or non-metallic material and comprise a cylindrical body with an external male thread along their length with the exception of a hexagonal head at one end. The body may also be fitted with an integral O-ring seal.

The Type 767 Range of Stopping Plugs are manufactured from metallic or non-metallic material and comprise a cylindrical body with an external male thread along their length with the exception of a domed head at one end. The face of the domed head contains a socket head recess to allow fitting and removal. The body may also be fitted with an integral O-ring seal.

Design options for the Type 747,757 and 767 ranges of Stopping Plugs:

Typical thread forms:

M16x1.5 (metallic sizes only)	M20x1.5	M25x1.5	M32x1.5	M40x1.5
M50x1.5	M63x1.5	M75x1.5	M90x2.0	M100x2.0



Alternative nearest equivalent male thread forms to the metric sizes listed above may be utilised from the following types:

ET Conduit	BS 31:1940 (1979)
PG	DIN 40430:1971
BSPP	BS 2779:1986
BSPT	BS 21:1985
ISO	ISO 7/1:1994 (Metallic designs only)
NPT	ANSI/ASME B1.20.1-2013
NPT	USAS B2.1-1968 (Metallic designs only)
NPSM	ANSI/ASME B1.20.1-2013
BSW	BS 84:1956 (Metallic designs only)

Alternative material of manufacture:

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Mild Steel	BS EN 10277-2:2008
Stainless Steel	BS EN 10088-3:2014
Glass reinforced flame-retardant nylon (737 range only) (Not Group I)	

Notes:

- Certificate IECEx SIR 13.0094X is superseded by this certificate.
- The product covered by Issue 0 of this certificate remains identical to that previously covered by IECEx SIR 13.0094X.
- Where IECEx SIR 13.0094X is specified in other product certification, or other technical specifications, this certificate reference for the product shall be used in its place; updating of the other product certificate or technical specification is not required.

Conditions of manufacture

The following conditions are required of the manufacturing process for compliance with the certification.

- i. Where the product incorporates certified parts or safety critical components, the manufacturer shall ensure that any changes to those parts or components do not affect the compliance of the certified product that is the subject of this certificate.
- ii. Non-metallic and aluminium adaptors, reducers and stopping plugs shall not bear any group I marking.



Specific Conditions of Use

The following conditions relate to safe installation and/or use of the equipment:

- i For flameproof type “db” applications, only one adapter or reducer shall be used per cable entry.
- ii The adaptors, reducers and stopping plugs shall be assembled in such a way that their protrusion from an associated enclosure is not increased.
- iii The interfaces between a male thread of an adaptor/reducer and an associated enclosure, between a female thread of an adaptor/reducer and a cable entry device, and between a stopping plug and an associated enclosure cannot be defined. Therefore, it is the installer’s responsibility to ensure that the appropriate ingress protection level is maintained at these interfaces.
- iv Non-metallic adaptors, reducers and stopping plugs shall not be used in enclosures where the temperature, at the point of mounting, is outside the range of -20°C to +60°C.
- v The installer shall refer to the manufacturer’s instructions for the action necessary regarding the electrostatic risk associated with non-metallic adaptors, reducers and stopping plugs.
- vi Any cable gland used with the non-metallic adaptors and reducers shall be non-metallic.