IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION
IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.:	**IECEx CML 25.0056X**	Page 1 of 4	Certificate history:
Status:	**Current**	Issue No: 2	Issue 1 (2025-10-17) Issue 0 (2025-08-19)
Date of Issue:	2026-08-13		

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

Equipment: **Type 784, 789/PX784, PX789 Unions**

Optional accessory:

Type of Protection: **Flameproof Ex "db", Increased Safety Ex "eb", Dust Ignition Ex "ta"**

Marking: Ex eb I Mb*
Ex db I Mb*
Ex eb IIC Gb
Ex db IIC Gb
Ex ta IIIC Da

Ta: -60°C to 85°C/-60°C to +200°C *(See description for details)*

**Aluminium alloy is not acceptable for Group I applications*

Approved for issue on behalf of the IECEx Certification Body: **Stelios Roumbedakis**

Position: **Certification Manager**

Signature: (for printed version) S.Roumbedakis

Date: (for printed version) 2026-08-13

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.
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Certificate issued by:

Eurofins E&E CML Limited
Unit 1, Newport Business Park
New Port Road
Ellesmere Port, CH65 4LZ
United Kingdom

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Manufacturer:
CMP Products Ltd
36 Nelson Way
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Manufacturing locations:

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36 Nelson Way
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CMP Products Limited
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British Engines (India) Pvt. Ltd
No. 9A, Attibele Industrial Area
Bangalore
Karnataka 562107
India

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 equipment 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 Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

IEC 60079-1:2014 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

IEC 60079-31:2022 Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure "t"
Edition:3.0

IEC 60079-7:2017 Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
Edition:5.1

This Certificate **does not** indicate compliance with 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 Reports:

GB/CML/ExTR25.0137/00 GB/CML/ExTR25.0137/01 GB/CML/ExTR25.0137/02

Quality Assessment Report:

GB/CML/QAR19.0001/10

IECEx Certificate of Conformity

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

784 Unions are 45° angled union adaptors. They are metallic and intended for connection of male to female, male to male or female to female threads when conventional adaptors/reducers are impractical. PX784 Unions are barrier seal versions of the 784 and have an alternative entry item internal arrangement, which includes an additional compound tube, resin dam and compression washer.

789 Unions are 90° angled union adaptors. They are metallic and intended for connection of male to female, male to male or female to female threads when conventional adaptors/reducers are impractical. PX789 Unions are barrier seal versions of the 789 and have an alternative entry item internal arrangement, which includes an additional compound tube, resin dam and compression washer.

Refer to Certificate Annex for full Product Description.

SPECIFIC CONDITIONS OF USE: YES as shown below:
Refer to Certificate Annex for Specific Conditions of Use.

IECEx Certificate of Conformity

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

This issue introduces the following change:

1. To recognise and correct editorial errors to the report.

Issue 2

This issue introduces the following change:

1. To recognise and correct an editorial error to the product description of the equipment.

Annex:

Certificate Annex IECEx CML 25.0056X Issue 1.pdf

Annexe to:	**IECEx CML 25.0056X, Issue 2**
Apparatus:	**Type 784, 789 / PX784, PX789 Unions**
Applicant:	**CMP Products Ltd**

Description

Design Options

Type 784 and PX784 Unions

784 Unions are 45° angled union adaptors. They are metallic and intended for connection of male to female, male to male or female to female threads when conventional adaptors/reducers are impractical. Additionally, they may be used to convert an existing cable entry aperture to a different thread form and/or size. Each union comprises two parts held together with a nut. The interface between the two parts is a serrated face which forms a flamepath when the nut is tightened. The union is designed such that connection at both ends is achieved without twisting the cable.

Ambient -60°C to +200°C.

PX784 Unions are barrier seal versions of the 784 and have an alternative entry item internal arrangement, which includes an additional compound tube, resin dam and compression washer. The compound tube is filled with a sealing compound (EP2122 compound or RapidEx resin) that provides a flameproof seal around the cable cores passing through it. When the barrier seal is used the ambient is restricted to -60°C to +85°C.

Type 789 and PX789 Unions

789 Unions are 90° angled union adaptors. They are metallic and intended for connection of male to female, male to male or female to female threads when conventional adaptors/reducers are impractical. Additionally, they may be used to convert an existing cable entry aperture to a different thread form and/or size. Each union comprises two parts held together with a nut. The interface between the two parts is a serrated face which forms a flamepath when the nut is tightened. The union is designed such that connection at both ends is achieved without twisting the cable.

Ambient -60°C to +200°C.

PX789 Unions are barrier seal versions of the 789 and have an alternative entry item internal arrangement, which includes an additional compound tube, resin dam and compression washer. The compound tube is filled with a sealing compound (EP2122 compound or RapidEx resin) that provides a flameproof seal around the cable cores passing through it. When the barrier seal is used the ambient is restricted to -60°C to +85°C.

Available sizes

Thread forms are between M20 to M100 (or equivalent per the list below).

Rear Thread ‘B’ for any given size is permitted to be a maximum of one step in thread size larger than front thread ‘C’. There is no limitation on how small rear thread size ‘B’ is in comparison to front thread ’C’.

Thread form options

Metric	ISO 965-1, ISO965-3 medium fit (6g) for external threads
ET(Conduit)	BS 31:1940 (1979), Table A
PG	DIN 40430:1971
BSPP	BS 2779:1986 class A full form for external threads
BSPT	BS 21:1985 standard threads only as clause 5.4, gauging to clause 5.2 system A
ISO	ISO 7/1:1994, gauging to ISO 7/2 clause 6.3 for external threads
NPT	ANSI/ASME B1.20.1-2013 gauging to clause 3.2 for external threads
NPSM	ANSI/ASME B1.20.1-2013 gauging to clause 6.4 for external threads

Materials of manufacture

- Brass
- Nickel Plated Brass
- Stainless Steel
- Mild Steel
- Aluminium

Notes:

- IECEx CML 18.0186U is superseded by these certificates.
- The product covered by Issue 0 of this certificate remains identical to that previously covered by IECEx CML 18.0186U.
- Where IECEx CML 18.0186U is specified in other product certification, or other technical specifications, these certificate references for the product shall be used in its place; updating of the other product certificate or technical specification is not required.

Conditions of Manufacture

None.

Specific Conditions of Use

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

i. The PX78* unions shall only be fitted to enclosures where the temperature, at the point of mounting, does not exceed -60°C to +85°C.

ii The interfaces between the male thread of the Union adaptor/reducer and an associated enclosure and between the female thread of the union adaptor/reducer and the cable entry device cannot be defined. Therefore, it is the installer's responsibility to ensure that the appropriate ingress protection level is maintained at these interfaces.

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