



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

Ex COMPONENT CERTIFICATE

Certificate No.: **IECEX CML 18.0171U** Page 1 of 4 Certificate history:
Status: **Current** Issue No: 2 [Issue 1 \(2020-07-09\)](#)
Date of Issue: 2021-06-11 [Issue 0 \(2018-11-22\)](#)

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

Ex Component: Type 783 and 793 series of (Y) and (T) shaped dual entry Adaptors

This component is NOT intended to be used alone and requires additional consideration when incorporated into other equipment or systems for use in explosive atmospheres (refer to IEC 60079-0).

Type of Protection: **Flameproof "db", Increased safety "eb", Dust Enclosure "ta"**

Marking: Ex db I Mb and/or Ex eb I Mb and/or Ex db IIC Gb and/or Ex eb IIC Gb and/or Ex ta IIIC Da
Service temperature = -60°C to +200°C

Note:
The Adaptor may alternatively be marked with a single concept of protection or any combination thereof as detailed above. The 'EPL' codes may be omitted from the marking string.

Approved for issue on behalf of the IECEx
Certification Body:

S. Roubedakis

Position:

Technical Manager

Signature:
(for printed version)

Date:

2021-06-11

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 www.iecex.com or use of this QR Code.



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**
Unit 36 Nelson Way
Nelson Park East
Cramlington
Northumberland
NE23 1WH
United Kingdom

Additional
manufacturing
locations:

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 60079-1:2014-06 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

IEC 60079-31:2013 Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
Edition:2

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 Report:

[GB/CML/ExTR21.0123/00](#)

Quality Assessment Report:

[GB/CML/QAR19.0001/02](#)



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Ex Component(s) covered by this certificate is described below:

Type 783 series (Y) shaped and 793 series (T) shaped dual entry angled Adaptors. Typically have a male thread at one end and a two female threads 120° and 90° respectively to the male thread. They are intended to provide dual cable entry options for cables to enter associated enclosures to which they are fitted (as defined by their coding) where space is limited or to avoid cable damage. The male parallel thread may be fitted with an optional O-ring seal.

Notes:

- Sira certificate is superseded by CML certificate.
- The product covered by all CML certificates at Issue 0 will remain identical to that previously covered by Sira certificates.
- Where Sira certificates are 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.

Refer to Annex for Full Description and Conditions of Manufacture.

SCHEDULE OF LIMITATIONS:

None



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Issue 1

No technical change.

Updated IECEx QAR number GB/CML/QAR19.0001/01 added and removal of previous QAR.

Issue 2

This issue introduced the following changes:

1. The introduction of a new model.
2. The update to the latest editions of the standards.
3. The correction of minor typographical errors within product description.
4. The addition of reference to R12922A/00.

Annex:

[Certificate Annex IECEx CML 18.0171U Issue 2_1.pdf](#)

Annexe to: IECEx CML 18.0171U Issue 2
Applicant: CMP Products Ltd
Apparatus: Type 783 and 793 Series of Y and T Shaped Dual Entry Adaptors

Description

Type 783 series (Y) shaped, and 793 series (T) shaped dual entry angled Adaptors typically have a male thread at one end and two female threads at 120° and 90° respectively to the male thread at the others. They are intended to provide dual cable entry options for cables to enter their associated enclosure (as defined by their coding) where space is limited or to avoid cable damage. The male parallel thread may be fitted with an optional O-ring seal.

Design Options

- The bore of the adaptors may be reduced to enable the use of a smaller metric or NPT female thread form/size.
- Adaptor spigots can be manufactured with either male or female thread forms or combinations thereof, e.g.: Male x Male x Male, Female x Female x Female, Male x Female x Male.
- Adaptors not marked 'Ex db' may have the male and/or female threads manufactured with an alternative nearest equivalent recognised thread form/size to the metric thread sizes certified.
- Each size 783 and 793 Y and T Shaped Dual Entry Adaptor may be manufactured with differing thread forms and sizes from each other as detailed on Drawing No. GA969.

The Adaptors are determined by their 'size' designation and entry thread form/size:

Size designation	Standard Entry Thread forms		
	(M)	(F)	(F)
20 793 T	M20 x 1.5	M20 x 1.5	M20 x 1.5
20 793 T	½" NPT	½" NPT	½" NPT
20 783 Y	M20 x 1.5	M20 x 1.5	M20 x 1.5
20783 Y	½" NPT	½" NPT	½" NPT
25 793 T	M25 x 1.5	M25 x 1.5	M25 x 1.5
25 793 T	¾" NPT	¾" NPT	¾" NPT
32 793 T	M32 x 1.5	M32 x 1.5	M32 x 1.5
32 793 T	1" NPT	1" NPT	1" NPT
25 783 Y	M25 x 1.5	M25 x 1.5	M25 x 1.5
25 783 Y	¾" NPT	¾" NPT	¾" NPT
32 783 Y	M32 x 1.5	M32 x 1.5	M32 x 1.5
32 783 Y	1" NPT	1" NPT	1" NPT

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Adaptors irrespective of thread form or size may have a maximum bore dimension corresponding to its thread size 'A', 'B' or 'C', e.g.:

Size designation	Standard Entry Threadforms		
	(M)	(F)	(F)
32 783 Y	1" NPT Bore 25.9mm max.	¾" NPT Bore 18.9mm max.	M20 x 1.5 Bore 14.7mm max.

M – Male thread form, F – female thread form

Materials of manufacture

The 783, 793 Y and T Shaped Dual Entry Adaptors are manufactured in brass, stainless steel, mild steel or aluminium. All brass manufactured component parts can optionally be nickel-plated. All mild steel manufactured component parts can optionally be zinc plated.

Examples of alternative entry component thread forms (Not Ex db)

ET (Conduit)
PG
BSPP
BSPT
ISO
NPSM

Metric threads of all model ranges to be manufactured with a pitch between 0.7 mm and 2.0 mm with 1.5 mm as standard.

Conditions of Manufacture

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

- i. Adaptors not marked for the type of protection 'Ex db' may be provided with, but not limited to, an alternative nearest equivalent recognised thread type and size to the metric thread, whilst maintaining a tolerance of fit, equal or better than, a medium fit to ISO 965-1 & ISO 965-3.

For example:

- ET - BS 31:1940 (1979) Table 'A' external threads, Table 'B' internal threads.
- PG - DIN 40430:1971
- BSPP - BS2279:1986 class A full form threads
- BSPT - BS21:1985 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 external threads, 6.2 internal threads.
- NPSM - ANSI/ASME B1.20.1:2013 gauging to clause 6.4.

Schedule of Limitations

None.