



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

EX COMPONENT CERTIFICATE

Certificate No.: IECEx CML 18.0171U Issue No: 0 Certificate history:
Issue No. 0 (2018-11-22)

Status: **Current** Page 1 of 3

Date of Issue: **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, Increased safety, Dust**

Marking:

Ex db I Mb &/or Ex eb I Mb &/or Ex db IIC Gb &/or Ex eb IIC Gb &/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:

H M Amos MIET

Position:

Certification Manager

Signature:
(for printed version)

Date:

November 22, 2018

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 Ltd**
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 Component 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 Ex Component 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 Ex Component listed has successfully met the examination and test requirements as recorded in

Test Report:

[GB/CML/ExTR18.0249/00](#)

Quality Assessment Report:

[GB/SIR/QAR07.0009/07](#)



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Schedule

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.

See the Annex for more information.

SCHEDULE OF LIMITATIONS:

None

Annex:

[Certificate Annex IECEx CML 18.0171U Issue 0.pdf](#)

Annexe to: IECEx CML 18.0171U Issue 0
Applicant: CMP Products Ltd
Apparatus: Type 783 and 793 Series of Y and T Shaped Dual Entry Adaptors



Description of equipment

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.

Design options

- The bore of the adaptors may be reduced to enable the use of a smaller metric or NPT female thread size (or sizes).
- Adaptor spigots can be manufactured with either male or female thread forms or combinations thereof: For example Male x Male x Male, Female x Female x Female, Male x Female x Male
- Adaptors not marked for the type of protection Ex db may have the male and/or female threaded spigots manufactured with an alternative nearest equivalent recognised thread type and size to the metric thread sizes certified.
- Metric threaded adaptors marked for the type of protection Ex db spigots can be manufactured with a thread pitch between 0.7mm and 2.0mm, with 1.5mm as standard.
- Adaptors may be manufactured from the following materials:
 - Cast brass NOT INFERIOR to ASTM38000 JIS C3604 /GB/T 5231-2012 grade HPb58-3
 - Brass to BS EN 12164:2011 / BS EN 12168:2011 Grade CuZn39Pb (CW614N)
 - Stainless steel to BS EN 10088-3:2014 Grades 316S11, 316S13, 316S31 or 316S33, 316L
 - Mild steel to BS EN 10277-2:2008 Grades 220M07, 230M07 (EN1A) / 220M07Pb, 230M07Pb (EN1APb)
- Brass adaptors may be nickel plated
- To permit on each size of '793 T' and '783 Y' shaped dual entry angled Adaptors spigots to be manufactured with differing thread types and sizes from each other as detailed on drawing GA969.

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

Manufacturers 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
20 783 Y	½" NPT	½" NPT	½" NPT
25 793 T	M25 x 1.5	M25 x 1.5	M25 x 1.5

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Manufacturers size designation	Standard Entry Thread Forms		
	(M)	(F)	(F)
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

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

Manufacturers size designation	Standard Entry Thread Forms		
	(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

Note:

- IECEx SIR 16.0081U is superseded by IECEx CML 18.0186U
- The product covered by Issue 0 of IECEx CML 18.0186U, remains identical to that previously covered by IECEx SIR 16.0081U.
- Where IECEx SIR 16.0081U is specified in other product certification, or other technical specifications, IECEx CML 18.0186U reference for the product shall be used in its place; updating of the other product certificate or technical specification is not required.

Condition of manufacturer

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.