



## EU Type Examination Certificate CML 18ATEX1306U Issue 0

- 1 Component intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU
- 2 Component **Type 783 and 793 Series of Y and T Shaped Dual Entry Adaptors**
- 3 Manufacturer **CMP Products Ltd**
- 4 Address Glasshouse Street  
St Peters  
Newcastle Upon Tyne  
NE6 1BS
- 5 The component is specified in the description of this certificate and the documents to which it refers.
- 6 CML B.V. , Chamber of Commerce No 6738671, Hoogoorddreef 15, Amsterdam, 1101 BA, The Netherlands, Notified Body Number 2776, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this component has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment intended for use in potentially explosive atmospheres given in Annex II to the Directive.  
The examination and test results are recorded in the confidential reports listed in Section 12.
- 7 If an 'U' suffix appears after the certificate number, it indicates that the component is subject to schedule of limitations (affecting correct installation or safe use). These are specified in Section 14.
- 8 This EU Type Examination certificate relates only to the design and construction of the specified equipment or component. Further requirements of Directive 2014/34/EU Article 13 apply to the manufacture of the equipment or component and are separately certified.
- 9 Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the confidential report, has been demonstrated through compliance with the following documents:  
EN 60079-0:2018      EN 60079-1:2014      EN 60079-7:2015      EN 60079-31:2014

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I M 2

Ex db I Mb

Ex eb I Mb



II 1D 2G

Ex db IIC Gb

Ex eb IIC Gb

Ex ta IIIC Da

Service temperature = -60°C to +200°C

### Notes:

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



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## 11 Description

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
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



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Manufacturers size designation	Standard Entry Thread Forms		
	(M)	(F)	(F)
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	¾" NPT	M20 x 1.5
	Bore 25.9mm max	Bore 18.9mm max	Bore 14.7mm max

M – Male thread form, F – female thread form

## 12 Certificate history and evaluation reports

Issue	Date	Associated report	Notes
0	22/11/2018	R12060A/00	Issue of prime certificate

Note: Drawings that describe the equipment or component are listed in the Annex.

## 13 Conditions of manufacture

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

13.1 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.

## 14 Components: Schedule of Limitations

None



## Certificate Annex

**Certificate Number** CML 18ATEX1306U  
**Equipment** Type 783 and 793 Series of Y and T Shaped Dual Entry Adaptors  
**Manufacturer** CMP Products Ltd

The following documents describe the equipment or component defined in this certificate:

### Issue 0

Drawing No	Sheets	Rev	Approved date	Title
GA969	1 of 1	03	22/11/2018	783 & 793 ADAPTORS
MP888	1 of 1	10	22/11/2018	Tolerance parameters