



EU Type Examination Certificate CML 18ATEX1306U Issue 1

- 1 Components 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 **Unit 36 Nelson Way,
Nelson Park East, Cramlington,
NE23 1WH, UK**
- 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, Koopvaardijweg 32, 4906CV Oosterhout 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 The 'U' suffix after the certificate number indicates that the component is subject to conditions of safe use (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 IEC 60079-0:2018

EN 60079-1:2014

EN IEC 60079-7:2015+A1:2018

EN 60079-31:2014

- 10 The equipment shall be marked with the following:



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.

S. Roumbedakis
Technical Manager



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 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

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



CML 18ATEX1306U
Issue 1

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.

Variation 1

This variation introduced the following modifications:

- i. The introduction of a new model.
- ii. The update to the latest editions of the standards.
- iii. The correction of minor typographical errors within product description.
- iv. The addition of reference to R12922A/00.
- v. To recognise a change to the manufacturer's address.

12 Certificate history and evaluation reports

Issue	Date	Associated report	Notes
0	22 Nov 2018	R12060A/00	Issue of prime certificate
1	11 Jun 2021	R12922A/00 R13908A/00	Introduction of Variation 1

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.

- i. Adaptors not marked 'Ex db' may be provided with, but not limited to, an alternative nearest equivalent recognised thread form/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.



CML 18ATEX1306U
Issue 1

- 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 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 Nov 2018	783 & 793 ADAPTORS
MP888	1 of 1	10	22 Nov 2018	Tolerance parameters

Issue 1

Drawing No	Sheets	Rev	Approved date	Title
GA969	1 to 4	04	11 Jun 2021	783 & 793 ADAPTORS