

**TECHNICAL DATA**

ADAPTOR TYPE	: 777
INGRESS PROTECTION	: IP66, 67, 68, NEMA 4X
PROCESS CONTROL SYSTEM	: ISO 9001
	: ISO/IEC 80079-34:2011

**EXPLOSIVE ATMOSPHERES CLASSIFICATION**

ATEX CERTIFICATION No	: CML 18ATEX1328U
ATEX CERTIFICATION CODE	: II 2G 1D Ex db IIC Gb / Ex eb IIC Gb / Ex ta IIIC Da
UKEX CERTIFICATION No	: CML 21UKEX1239U
UKEX CERTIFICATION CODE	: II 2G 1D Ex db IIC Gb / Ex eb IIC Gb / Ex ta IIIC Da
IECEX CERTIFICATION No	: IECEX CML 18.0185U
IECEX CERTIFICATION CODE	: Ex db IIC Gb / Ex eb IIC Gb / Ex ta IIIC Da
cCSAus CERTIFICATION No	: 1055233
cCSAus CERTIFICATION CODE	: Ex de II; Class I, Groups A,B,C and D; Class I, Zone 1, AEx de II; IP66, 67 and 68, Enclosure Type 4X DIP A

**INSTALLATION INSTRUCTIONS**

1. Installation should only be performed by a competent person using the correct tools. Spanners should be used for tightening. Read all instructions before beginning installation.
2. The interface between a cable entry device and its associated enclosure / cable entry will require additional sealing to achieve ingress protection (IP) ratings higher than IP54. The minimum protection level is IP54 for explosive gas atmospheres and IP6X for explosive dust atmospheres. Parallel threads (and tapered threads when using a non-threaded entry) require a CMP sealing washer or integral O-ring face seal (where available) to maintain IP66, 67 and 68 (when applicable). It is the installer's responsibility to ensure the IP rating is maintained at the interface.  
Note: When fitted to a threaded entry, all tapered threads will automatically provide an ingress protection rating of IP66.
3. A CMP earth tag should be used when it is necessary to provide an earth bond connection. CMP earth tags have been independently tested to comply with Category B rating specified in IEC 62444 (there are no ratings stated in IEC 60079-0). Ratings are shown in the associated table. CMP earth tags slip over the cable gland or accessory entry thread from inside/outside the enclosure and must be secured with a locknut (if fitted internally).
4. Insulated Adaptors Type 777 do not have any serviceable parts and are therefore not intended to be repaired.

CMP Earth Tag Size	Short Circuit Ratings Symmetrical Fault Current (kA) for 1 second
20	3.06
25	4.06
32	5.40
40	7.20
50	10.40
63	10.40
75	10.40

**SPECIAL CONDITIONS FOR SAFE USE**

1. The Type 777 range of insulated adaptors shall not be used in enclosures where the temperature, at the point of mounting, is outside the range of -60°C to +130°C.
2. The Type 777 range of insulated adaptors are to be secured into the associated equipment with the following tightening torque values to maintain their explosion protection concept. Additionally, any cable gland fitted to these adaptors shall be secured to these torque values based upon the largest thread size.

Largest Male or Female Thread Size	M20	M25	M32	M40	M50	M63	M75	M90
Tightening Torque (Nm)	40.0	55.0	65.0	80.0	100.0	115.0	140.0	180.0

**ACCESSORIES**

The following accessories are available from CMP Products, as optional extras, to assist with fixing, sealing and earthing :-  
Locknut | Earth Tag | Serrated Washer | Entry Thread (I.P.) Sealing Washer |

CMP Products Limited on its sole responsibility declares that the equipment referred to herein conforms to the requirements of the ATEX Directive 2014/34/EU and UK statutory requirements SI 2016 No. 1107 (as amended). This is shown in the following harmonised/designated standards;

EN60079-0:2018, EN60079-1:2014, EN60079-7:2015, EN60079-15:2010, EN60079-31:2014, BS6121:1989, EN62444:2013, EN61241-0:2004, EN61241-1:2004.

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17th March 2020

**CE 2776** Notified Body: CML B.V., Koopvaardijweg 32, 4906CV Oosterhout, The Netherlands

**UK 2503** Approved Body: Eurofins E&E CML Limited, Newport Business Park, New Port Road, Ellesmere Port, CH65 4LZ



# ASSEMBLY FITTING INSTRUCTIONS FOR INSTALLATION OF CMP INSULATED ADAPTOR TYPE 777

FOR ELECTRICALLY INSULATING CABLE GLANDS FROM THE EQUIPMENT TO WHICH THEY ARE MOUNTED. FOR USE IN HAZARDOUS AREAS.

INCORPORATING EU DECLARATION OF CONFORMITY TO DIRECTIVE 2014/34/EU AND UK STATUTORY REQUIREMENTS  
SI 2016 No. 1107 (AS AMENDED)

**Product Selection Table**

Ordering Reference	Male Thread Size "A"	Minimum Thread Length "E"	Female Thread Size "B"	Maximum Bore Diameter "C"	Normal Protrusion Length "F" (Type A)	Across Flats "D"	Across Corners "D"
777DAM2M2	M20 X 1.5	15.0	M20 X 1.5	14.0	37.8	36.0	39.6
777DAM3M3	M25 X 1.5	15.0	M25 X 1.5	20.0	36.2	46.0	50.6
777DAM4M4	M32 X 1.5	15.0	M32 X 1.5	26.3	35.7	55.0	60.5
777DAM5M5	M40 X 1.5	15.0	M40 X 1.5	32.1	35.7	70.1	77.1
777DAM6M6	M50 X 1.5	15.0	M50 X 1.5	44.2	36.7	80.0	88.0
777DAM7M7	M63 X 1.5	15.0	M63 X 1.5	53.0	38.2	100.0	110.0
777DAM8M8	M75 X 1.5	15.0	M75 X 1.5	64.8	41.2	110.0	123.0
777DAM9M9	M90 X 2.0	24.0	M90 X 2.0	79.3	52.7	132.2	135.5

All dimensions shown are in millimetres unless otherwise stated

NOTE: For Type "A" Insulated Adaptors add "A" after "D" e.g. 777DAM5M5



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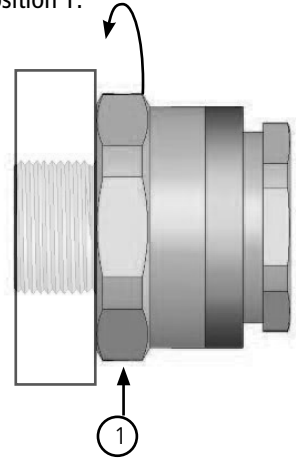
F1428		
Certificate	Revision	Date
IFS	14	03/24
ATEX / IECEx	11	04/19
UKEX	0	04/21

# INSTALLATION INSTRUCTIONS FOR INSULATED ADAPTOR TYPE 777 (TYPE A OR B)

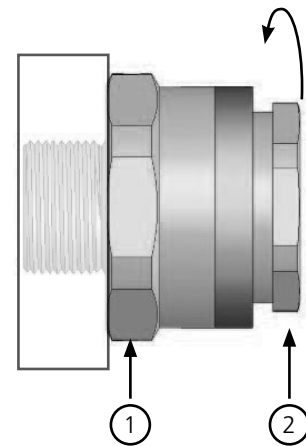
**PLEASE READ ALL INSTRUCTIONS CAREFULLY BEFORE BEGINNING THE INSTALLATION**

## 777 TYPE A (With Metal Insert) - Standard

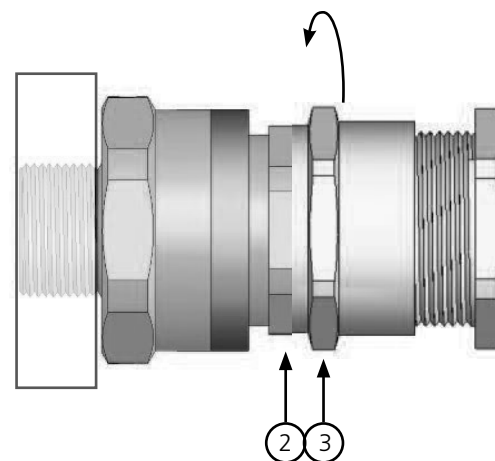
1. Tighten into enclosure using a spanner at position 1.



2. If it is necessary to tighten the components of the insulated adaptor, then spanners should be used at positions 1 and 2. The max torque to be applied is shown on the back page.



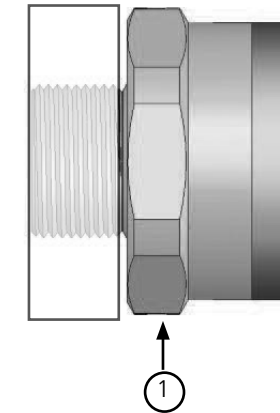
3. Tighten the cable gland into the insulator. Use spanners at position 2 and 3.



## 777 TYPE A (With Metal Insert) - Standard

N.B. Type B can only be used when fitted with a CMP Cable Gland with metric entry threads.

1. Tighten into enclosure using a spanner at position 1.



2. Tighten the cable gland into the insulated adaptors using spanners at positions 1 and 2. The max torque to be applied is shown on the back page.

