



TECHNICAL DATA

CABLE GLAND TYPE : *747A, *747B, *747C, 757 & 767 Stopper Plugs
 INGRESS PROTECTION : IP66, IP67, IP68, Enclosure Type 4X (747 IP66)
 PROCESS CONTROL SYSTEM: : ISO 9001 - ISO/IEC 80079-34:2011

* 747 Stopper Plugs have passed IP66 compliance tests to IEC 60529 with no additional sealing. However CMP would recommend the addition of thread sealant or grease (such as Dow Corning No. 4 Silicone) in order to help maintain IP66 and keep water out of the enclosure in the long-term. The addition of thread sealant or grease is permitted as long as it is non-setting, non-metallic and non-combustible in compliance with IEC 60079-14.

EXPLOSIVE ATMOSPHERES AREA CLASSIFICATION

ATEX CERTIFICATION No : CML 18ATEX1320X
 ATEX CERTIFICATION CODE : **Metallic**
 : II 2G Ex db IIC Gb / Ex eb IIC Gb
 : I M2 Ex db I Mb / Ex eb I Mb, II 1D Ex ta IIIC Da

: **Non-metallic**
 : II 2G Ex eb IIC Gb
 : II 1D Ex ta IIIC Da
 UKEX CERTIFICATION No : CML 21UKEX1238X
 UKEX CERTIFICATION CODE : **Metallic**

: II 2G Ex db IIC Gb / Ex eb IIC Gb
 : I M2 Ex db I Mb / Ex eb I Mb, II 1D Ex ta IIIC Da
 : **Non-metallic**
 : II 2G Ex eb IIC Gb
 : II 1D Ex ta IIIC Da

IECEx CERTIFICATION No : IECEx CML 18.0177X, IECEx SIM 15.0002X
 IECEx CERTIFICATION CODE : **Metallic**
 : Ex db I Mb, Ex eb I Mb
 : Ex db IIC Gb, Ex eb IIC Gb, Ex ta IIIC Da

: **Non-metallic**
 : Ex eb IIC Gb, Ex ta IIIC Da
 cCSAus CERTIFICATION No. : 1055233 (**Metallic only**) (**Excludes 747C**)
 cCSAus CERTIFICATION CODE : Class I, Groups A, B, C and D; IP66, 67, 68, Enclosure Type 4X; Class II Groups E, F and G; Class III, Ex de II, Class I, Zone 1, AEx de II; (747 IP66)
 Ex e II, Class I, Zone 1, AEx e II; IP66, 67, 68; Enclosure Type 4X; Class II Groups E, F and G; Class III (757)

UL CERTIFICATION No. : E214221 (**Metallic only**) (**Excludes 747C**)
 UL CERTIFICATION CODE : Class I Groups A,B,C and D, Class II Groups E,F,G, Class III

INSTALLATION INSTRUCTIONS

Installation should only be performed by a competent person using the correct tools. Ensure thread type and size are compatible with the associated enclosure / fitting threads. Fully tighten threads

SPECIAL CONDITIONS FOR SAFE USE

- The following conditions apply to all adaptors, reducers and stopping plugs:
 - The adaptors reducers and stopping plugs shall be assembled in such a way that their protrusion from an associated enclosure is not increased.
- The following condition applies to non-metallic and aluminium adaptors, reducers and stopping plugs:
 - Non-metallic and aluminium adaptors, reducers and stopping plugs shall not be used in group I applications.
- The following conditions apply to non-metallic adaptors, reducers and stopping plugs:
 - Non-metallic adaptors, reducers & stopping plugs shall not be used in enclosures where the temperature, at the point of mounting, is outside the range of -20°C to +60°C.
 - Refer to the manufacturers instructions for the action necessary regarding electrostatic risk.
- 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.
- 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). Note: Earth tags cannot be used with 747 stopper plugs.
- The non-metallic materials used in CMP Products adaptors, reducers and stopping plugs are chemically resistant to most oils, fuels, spirits and some alcohols. The materials are not compatible with most acids. Please contact CMP Products to check compatibility with a particular chemical. The product is designed in such a way to prevent hazard or injury.

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

ELECTROSTATIC DISCHARGE HAZARD

If cleaning is necessary then non-metallic parts can be cleaned with a damp cloth and allowed to dry naturally. Do not clean using a dry cloth.

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. Note: These accessories cannot be used with 747 stopper plugs.

- Note:
- 757 & 767 Stopper Plugs are available with an integral 'O' ring entry thread seal. Select this version by adding "R" after 757D, e.g. 757DRM7
 - Other materials and thread types are available, consult the CMP website (www.cmp-products) for details.

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; EN 60079-0:2018, EN 60079-1:2014, EN 60079-7:2015+A1:2018, EN 60079-15:2017, EN 60079-31:2014, BS 6121:1989, EN 62444:2013

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 17th March 2020

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



INSTALLATION INSTRUCTIONS FOR CMP STOPPER PLUG TYPES 747, 757 & 767

STOPPER PLUGS FOR USE IN EXPLOSIVE ATMOSPHERES TO CLOSE OFF THREADED ENTRY HOLES

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



747A STOPPER PLUG



747B TAMPER-PROOF STOPPER PLUG



747C SQUARE HEAD STOPPER PLUG



757 HEXAGON HEAD STOPPER PLUG



767 STOPPER PLUG

TYPE 747A STOPPER PLUG

- Stopper plug with external Allen key aperture

TYPE 747B STOPPER PLUG

- Stopper plug with an internal Allen key aperture. Tightened in place from inside the enclosure, making it tamper-proof.

TYPE 747C STOPPER PLUG

- Stopper plug with external socket aperture - ATEX, IECEx & UKEX only.

TYPE 757 STOPPER PLUG

- Hexagon headed stopper plug. Tightened with a spanner.

TYPE 767 STOPPER PLUG

- Mushroom headed stopper plug with an Allen key aperture.

The 747, 757 & 767 Stopper Plugs are available in metal for use in Ex d and Ex e environments and in nylon for Ex e environments only.

Type 757 and 767 stopper plugs are available with an optional "O" ring face seal.



LISTED CONDUIT FITTING FOR EXPLOSIVE ATMOSPHERES 65RN

Refer to selection table below on changes for UL certified products

	Male Thread (mm)	747A	747B	Not UL or cCSAus 747C	757	767	Max Installation Torque (Nm)
Not UL or cCSAus	M12	747DAM1A	747DBM1A	747DCM1A	757DM1A	767DM1A	10
	M16	747DAM1	747DBM1	747DCM1	757DM1	767DM1	20
	M20	747DAM2	747DBM2	747DCM2	757DM2	767DM2	25
	M25	747DAM3	747DBM3	747DCM3	757DM3	767DM3	30
	M32	747DAM4	747DBM4	747DCM4	757DM4	767DM4	35
	M40	747DAM5	747DBM5	747DCM5	757DM5	767DM5	45
	M50	747DAM6	747DBM6	747DCM6	757DM6	767DM6	65
	M63	747DAM7	747DBM7	747DCM7	757DM7	767DM7	95
	M75	747DAM8	747DBM8	747DCM8	757DM8	767DM8	120
	M90	747DAM9	747DBM9	747DCM9	757DM9	767DM9	155
Not UL or cCSAus	M100	747DAM10	747DBM10	747DCM10	757DM10	767DM10	170
	M115	747DAM11	747DBM11	747DCM11	757DM11	767DM11	195
	M130	747DAM12	747DBM12	747DCM12	757DM12	767DM12	205

Dimensions are displayed in millimetres unless otherwise stated

FI431		
Certification	Revision	Date
UKEX	1	09/23
IFS	22	09/23
ATEX / IECEx	11	09/23
CSA / cCSAus	8	10/16



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