





**Certificate:** 1310517  
**Project:** 70114195

**Master Contract:** 184585  
**Date Issued:** 2017-03-15

Class I, Division 2, Groups A, B, C and D; Class II, Division 2, Groups E, F and G,  
Class III; Enclosure Type T4X  
Ex d IIC; Ex e II; IP66; Ex nR II

- “CMP” Cable gland connectors, E\*\* Series Type, for use with Marine Shipboard cables, Trade sizes ½ “ NPT through 4” NPT and M16 through M130 (ISO Metric).

Notes:

1. Cable gland connectors’ material may be of brass, aluminium or stainless steel.
2. These glands are not suitable for use with flameproof enclosures installed in Group IIC atmospheres, which have a volume greater than 2000 cc (2 Litre).
3. These Glands are for use with Certified Marine Shipboard metal braided cables constructed according to CSA Std. 245 and IEEE45/IEC600092-353 Standards, or Certified equivalent), for use on Shipboards and Offshore Rigs/platforms only.
4. “Triton CDS” cable gland connectors when installed into Class I, Division 2 Classified Areas, are not suitable to be interfaced with an explosion proof enclosure containing arcing and sparking devices, unless installed in conjunction with an approved explosion proof sealing fitting.

**CLASS 4418 85 - CABLE - Hardware - For Hazardous Locations – US Requirements**

Class II, Division 2, Groups E, F and G; Class III; Enclosure Type 4X; Oil Resistance II  
Class I, Zone 1, AEx e II; AEx nR II

- "CMP" Cable gland connectors, "Triton CDS™", Type T3CDS, Type T3CDSX and Type TE1F\*, for use with Marine Shipboard Cable, Trade Sizes ½ in. NPT through 3 in. NPT and M16 through M90 (ISO Metric).

Class II, Division 2, Groups E, F and G; Class III  
Class I, Zone 1, AEx e II

- “CMP” Cable gland connectors, "Triton CDS™", Type D3CDS and Type D3CDSX for use with Marine Shipboard Cable, Trade Sizes ½ in. NPT through 3 in. NPT and M16 through M90 (ISO Metric). For use in dry location only

**Class II, Division 2, Groups E, F and G; Class III; Enclosure Type T4X**  
**Class I, Zone I, AEx e II; AEx nR II**

- “CMP” Cable gland connectors, E\*\* Series Type, for use with Marine Shipboard cables, Trade sizes ½ “ NPT through 4” NPT and M16 through M130 (ISO Metric).



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Notes:

1. Cable gland connector material may be of brass, aluminum or stainless steel.
2. Connectors with metric entry threads are only suitable for Areas Classified in ZONES unless fitted with an approved Metric to NPT thread conversion adaptor.
3. According to US (NEC) wiring method for the types of cables that can be used in Class I, Zone 1 and 2 Classified Areas, according to NFPA -70 installation wiring method restrictions.

**APPLICABLE REQUIREMENTS**

CAN/CSA-C22.2 No 0-10	General Requirements – Canadian Electrical Code, Part II
CAN/CSA-C22.2 No 18-04	Outlet Boxes, Conduit Boxes, and Fittings
CAN/CSA-C22.2 No 25-1966	Enclosures for Use in Class II, Groups E, F and G Hazardous Locations
CAN/CSA-C22.2 No 30-M1986	Explosion Proof Enclosure for use in Class I Hazardous Locations
CAN/CSA-C22.2 No.174-M1984	Cables and Cable Glands for Use in Hazardous Locations
CAN/CSA-C22.2 No.94-M91	Special Purpose Enclosures
CSA C22.2 No. 60079-0:11	Explosive atmospheres – Part 0 -General Requirements
CSA C22.2 No. 60079-7:12	Electrical Apparatus for Explosive Gas Atmospheres – Part 7 - Increased Safety “e”
CSA C22.2 No. 60079-1:11	Electrical Apparatus for Explosive Gas Atmospheres – Part 1 - Flameproof Enclosures “d”
CSA C22.2 No. 60079-15:12	Electrical Apparatus for Explosive Gas Atmospheres – Part 15 – Protection method “n”
ANSI/UL 514B Edition 5	Conduit, Tubing, and Cable Fittings
ANSI/UL 50 Edition 11	Enclosures for Electrical Equipment
ANSI/UL 2225 Edition 4	Cables and Cable Fittings For Use in Hazardous (Classified) Location
UL60079-0:05	Electrical Apparatus for Explosive Gas Atmospheres – Part 0 - General Requirements
UL60079-7:07	Electrical Apparatus for Explosive Gas Atmospheres – Part 7- Increase Safety “e”
UL60079-1:06	Electrical Apparatus for Explosive Gas Atmospheres – Part 1 - Flameproof Enclosures “d”
UL60079-15 Edition 4	Electrical Apparatus for Explosive Gas Atmospheres – Part 15 – Protection method “n”



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## **MARKINGS**

Product markings shall be in accordance with the related standards. In addition, it shall be the responsibility of the manufacturer to provide additional markings on the product to comply with the requirements of the local regulatory authorities. For example, in Canada, any caution and warning markings must be provided in French and English.

Permanently Die Stamped on each Body of the Gland:

- Manufacturer name or Trade Mark,
- Catalogue number designation,
- Hazardous Location designation;
- Trade size and appropriate thread form
- Enclosure Types 3, 4 and 4X (Not required for D3CDS or D3CDSX as these enclosures are not Type rated)
- May be marked with IP 66 (where applicable)
- May be marked Oil Resistance II (where applicable)
- May be marked with the cord/cable diameter range (where applicable).
- Certificate Number: CSA 02.1310517X (Applicable for Ex e and Ex d Marking).
- CSA Monogram or CSA followed with c us indicator

Note: Installation instruction sheet provided in each packaged unit.