



Certificate of Compliance

Certificate: 2194053

Master Contract: 184585

Project: 2194053

Date Issued: 2010/02/02

Issued to: **CMP Products**

Glasshouse St.
St. Peters
Newcastle Upon Tyne, NE6 1BS
United Kingdom
Attention: Geof Mood

The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only.



Issued by: D. Somma, C.E.T.

Authorized by: Gary Boswell, P.Eng., Product Group Manager

PRODUCTS

CLASS 4418 85 - CABLE-Hardware - For Hazardous Locations-Certified to U.S. Standards

CLASS 4418 05 - CABLE - Hardware - For Hazardous Locations

Class I, Div 1 and 2, Groups A, B, C and D; Class II, Div 1 and 2, Groups E, F, and G; Class III, Div 1 and 2; Encl. Type 4X.

Ex d IIC; Ex e II:

Class I, Zone 1, AEx d IIC; AEx e II; AEx ta IIC:



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- Cable gland connectors, integrally sealed, “Series TMC2X”, for jacketed interlocked TECK type cables or corrugated HL-MC (metal-clad) with aluminum or galvanized steel armour, Series Cat No TMC2X -050S, -050, -075, -100, -125S, -125, -150S, -150, -200S, -200, -250, #300, -350 and -400 followed by the material suffix A (aluminium) NB (Nickel Plated brass) SS (Stainless steel), trade sizes ½ in NPT through 4 in NPT and M20 through M115.

Class I, Div 2, Groups A, B, C and D; Class II, Div 2, Groups E, F, and G; Class III, Div 2; Encl. Type 4X.

Ex e II;

Class I, Zone 1, AEx e II; AEx ta IIC:

- Cable gland connectors, “Series TMC2”, for jacketed TECK type cables or corrugated metal-clad with aluminum or galvanized interlocked steel armour, Series Cat No TMC2 -050S, -050, -075, -100, -125S, -125, -150S, -150, -200S, -200, -250, #300, -350 and -400 followed by the material suffix A (aluminium) NB (Nickel Plated brass) SS (Stainless steel), trade sizes ½ in NPT through 4 in NPT and M20 through M115

Notes: TMC2(x) Cable Glands

- Cable gland connectors material may be of brass, aluminum or stainless steel.
- Connectors with metric entry threads are only suitable for Areas Classified in ZONES unless fitted with an approved Metric to NPT thread conversion adaptor.
- US (NEC) wiring method only allows HL-MC type of cable for use in CLASS I, II, III, Div. 1 Classified Areas.
- US (NEC) wiring method only allows HL-MC type of cable for use in Class I, Zone 1, Ex d/e Classified Areas and according to 60079-14 installation wiring method restrictions.

APPLICABLE REQUIREMENTS

CAN/CSA-C22.2 No 0-M91	-	General Requirements
CAN/CSA-C22.2 No 18-04	-	Outlet Boxes, Conduit Boxes, and Fittings
CAN/CSA-C22.2 No 25-1966 Locations	-	Enclosures for Use in Class II, Groups E, F and G Hazardous Locations
CAN/CSA-C22.2 No 30-M1986 Locations – Industrial Products	-	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
CAN/CSA-E60079-0:07 General Requirements	-	Electrical Apparatus for Explosive Gas Atmospheres – Part 0 -



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CAN/CSA-E60079-7:07 Increase Safety "e" - Electrical Apparatus for Explosive Gas Atmospheres – Part 7 -

CAN/CSA-E60079-1:07 Flameproof - Electrical Apparatus for Explosive Gas Atmospheres – Part 1 -

CAN/CSA-E61241-1-1 Part 1-1 - Electrical Apparatus for use in the presence of combustible dust-

ANSI/UL 514B Edition 5

ANSI/UL 50 Edition 11

ANSI/UL 2225 Edition 4

MARKINGS

Permanently Die Stamped on each Body of the Gland:

- Manufacturer name or trade mark
- Catalogue number designation
- Hazardous Location designation
- Trade size
- Type
- The letters "SL" (for integrally sealed gland)
- Enclosure Type 4X
- Certificate Number: CSA 09.2194053 (Applicable for Ex d and Ex e Marking).
- CSA Monogram with the c us indicators

Note: Installation instruction sheet provided in each packaged unit.



Supplement to Certificate of Compliance

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The products listed, including the latest revision described below, are eligible to be marked in accordance with the referenced Certificate.

Product Certification History

Project	Date	Description
2194053	2010/02/02	CSAc-us Certification of Cable Glands Series Cat. No. TMC2, TMC2X for use in Cl.I, II, III, Div.1/2; AEx d/Exd IIC; based on SIRA Reciprocal agreement.