



Certificate of Compliance

Certificate: 1726044

Master Contract: 202993

Project: 2392662

Date Issued: February 28, 2011

Issued to: International Metal Engineering

Blk 13 Toa Payoh Lorong 8 06-05
Braddell Tech Park
Singapore, 319261
Singapore
Attention: Max Angelo Vijaya

The products listed below are eligible to bear the CSA Mark shown



Ron Wildish

Issued by: Ron Wildish

PRODUCTS

CLASS 4418 02 - OUTLET BOXES AND FITTINGS - Boxes - For Hazardous Locations

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

Ex d IIB+H2:

7080a-b-c Junction Boxes - Epoxy coated cast aluminum, stainless steel with window or blind cover; Ambient: -40 Deg C to +85 Deg.C.

a = Model AE, AM, SE, SM, TE, TM, WE or WM.

b = Entry configuration 00, 01, 02, 03 or 04.

c = Entry Type: 05, 07 or 18

7080a-b-c Junction Boxes - Cast finish aluminum with window or blind cover; Ambient: -40 Deg C to +85 Deg.C.

a = Model CE, CM, NE or NM.

b = Entry configuration 00, 01, 02, 03 or 04.



Certificate: 1726044

Master Contract: 202993

Project: 2392662

Date Issued: February 28, 2011

c = Entry Type: 05, 07 or 18

8066a-b Instrument Enclosure - Epoxy coated cast Aluminum with window or blind cover; Ambient: -40 Deg C to +85 Deg.C.

a = Model PB or PD

b = Entry type: 04, 05, 07, 08, 13, 17, 18, 19 or 20

8075a-b Instrument Enclosures - Epoxy coated Cast Aluminum, stainless steel with window or blind cover; Ambient: -40 Deg C to +85 Deg.C.

a = Model AE, AM, SE, SM, TE, TM, WE or WM.

b = Entry type: 01, 02, 04, 05, 07, 08, 13, 15, 17 or 18

8080a-b Instrument Enclosures - Epoxy coated Cast Aluminum, stainless steel with window or blind cover; Ambient: -40 Deg C to +85 Deg.C.

a = Model AE, AM, SE, SM, TE, TM, WE or WM.

b = Entry type: 01, 02, 04, 05, 07, 08, 13, 15, 17 or 18

Conduit Entry Sizes Include: ½” NPT, ¾” NPT, M16x2P (Not Tapped Thru) or None.

APPLICABLE REQUIREMENTS

C22.2 No. 0-10 - General Requirements – Canadian Electrical Code, Part II

C22.2 No. 25-1966 - Enclosures for Use in Class II, Groups E, F and G Hazardous Locations

C22.2 No. 30-M1986 - Explosion-Proof Enclosures for Use in Class I Hazardous Locations

CAN/CSA-C22.2 No. 94-M91 - Special Purpose Enclosures

CAN/CSA-C22.2 No. 60079-0:07 - Electrical apparatus for explosive gas atmospheres - Part 0: General requirements

CAN/CSA-C22.2 No. 60079-1:07 - Electrical apparatus for explosive gas atmospheres - Part 1: Flameproof enclosures "d"

CAN/CSA-C22.2 No. 60529:05 - Degrees of protection provided by enclosures (IP Code)



Certificate of Compliance

Certificate: 80052245

Master Contract: 238720

Project: 80052245

Date Issued: 2020-09-08

Issued To: Pushna International Inc.
4151 Bluebonnet Dr
Stafford, Texas, 77477
United States
Attention: Sunil Karamchandani

The products listed below are eligible to bear the CSA Mark shown

Issued by: *Khushboo Patel*
Khushboo Patel



PRODUCTS

4418 02 - OUTLET BOXES AND FITTINGS Boxes - For Hazardous Locations

Class I, Division 1, Groups B, C, D; Class II, Division 1, Groups E, F, G; Class III

Explosion-Proof Housings 1010PAEa-b, 1010PWEa-b, 1014PSEa-b, and 1016PSEa-b; Type 4X and IP 66/IP68 (1m/1hr) -50° C to 125°C (model 1010PWE a-b rated for -50°C to 80°)

Explosion proof Housing 1110PAE a-b,1110PWE a-b,1114PSE a-b,1116PSE a-b IP66 -16°C to 125°C (Except model 1110 PWE a-b- Tamb: -16 °C to 80°C)

Model Nomenclature as below:

a=Label shape & Listed certification bodies: blank, H, M

b=Threaded entries: 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18

Models 1010 series with EPDM O-ring controls lower Tamb of -50°C or with Viton O-ring controls Tamb of -16°C

Model 1110 series controls lower Tamb of -16°C for assembly with Viton O-ring

Assembly with Aluminum/Stainless steel construction controls higher Tamb of 125°C

Models with PWE designation are epoxy coated which controls higher Tamb of 80 °C

Conditions of Acceptability:

1. The flameproof joints are not intended to be repaired.
2. Oil-filled circuit-breakers and/or contactors are not permitted to be used within the enclosure.
3. Rotating machines, or other devices which create turbulence, are not permitted to be used within the enclosure.



Certificate: 80052245
Project: 80052245

Master Contract: 238720
Date Issued: 2020-09-08

APPLICABLE REQUIREMENTS

CSA C22.2 No. 25-2017	Enclosures for Use in Class II Groups E, F, and G Hazardous Locations
CSA C22.2 No. 30-M1986 (R2016)	Explosion-Proof Enclosures for Use in Class I Hazardous Locations
CSA C22.2 No. 94.2-2015	Enclosures for Electrical Equipment, Environmental Considerations
CSA C22.2 No. 60529:2016	Degrees of Protection Provided Enclosure (IP Code)

MARKINGS

The manufacturer is required to apply the following markings:

- Products shall be marked with the markings specified by the particular product standard.
- Products certified for Canada shall have all Caution and Warning markings in both English and French.

Additional bilingual markings not covered by the product standard(s) may be required by the Authorities Having Jurisdiction. It is the responsibility of the manufacturer to provide and apply these additional markings, where applicable, in accordance with the requirements of those authorities.

The products listed are eligible to bear the CSA Mark, without any adjacent indicators, indicating that products have been manufactured to the requirements of Canadian Standards.

All markings shall be in accordance with the requirements of the local regulatory authorities and related standards.

- Hazardous Location designation: As specified in the PRODUCTS section, above (may be abbreviated).
- Cautions on use in hazardous locations "OPEN CIRCUIT BEFORE REMOVING COVER and OUVRIER LE CIRCUIT AVANT D'ENLEVER LE COUVERCLE".
- Manufacturer's name: "PUSHNA", or CSA Master Contract Number "238720", adjacent to the CSA Mark in lieu of manufacturers name.
- Model number: As specified in the PRODUCTS section, above.
- Ambient temperature rating: As specified in the PRODUCTS section, above.
- Manufacturing date in MMY format, or serial number, traceable to month of manufacture.
- Enclosure ratings: As specified in the PRODUCTS section, above.
- The CSA Mark, as shown on the Certificate of Compliance.

Note:

- The manufacturers name and the cautionary statement are embossed on the cover.
- *Jurisdictions in Canada may require these markings to also be provided in French language. It is the responsibility of the manufacturer to provide bilingual marking, where applicable, in accordance with the requirements of the Provincial Regulatory Authorities. It is the responsibility of the manufacturer to determine this requirement and have bilingual wording added to the "Markings".*

Method of marking: The manufacturer's etched stainless steel nameplates are permanently secured with stainless steel rivets onto the surface of the housing cover. Depending on which style housing cover is used, the nameplates can be full-moon or half-moon shape.



Supplement to Certificate of Compliance

Certificate: 80052245

Master Contract: 238720

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
80052245	2020-09-08	Update to report 2061370 has been done to add model 1110 which uses viton O-ring, M20x 1.5P/M24x1.5P entries, add IP rating, update manufacturers address and update standards.
2524038	06-18-2012	Update to report 2061370 to include new drawings for an alternate Housing and nameplates for series 1010, 1014 and 1016. Update Housings ingress rating from IP66 to IP68 using FM Test Report
2158615	05-28-2009	Update to report 2061370 to change drawings 1010-E-A and 1016-E-A dates from 05/22/2008 to 06/20/2008. They had the incorrect dates in the original report and no drawings were changed under this project.
2061370	09-12-2008	Original Certification - Explosion-Proof Housings 1010PAE-a, 1010PWE-a, 1014PSE-a, and 1016PSE-a; Class I, Division 1, Groups BCD; Class II, Div. 1, Grps EFG; Class III, Type 4X, IP66.