



Certificate: 70192802
Project: 80083589

Master Contract: 180848
Date Issued: March 29, 2023

Notes:

1. The above model is permanently connected, Equipment Class I, Pollution Degree 2, Overvoltage Category I.
2. Mode of operation: Continuous
3. Environmental Conditions: Normal: -40°C to +85 °C, 2000 m max, Humidity max 80% rh, non-condensing
4. Refer to Att4 – Data Sheets for Model Nomenclature.
5. Process Temperature: -50°C to +120°C.

CONDITIONS OF ACCEPTABILITY

1. The equipment shall be supplied by a Limited Power Source or Class 2 output in accordance to CEC Part 1, Rule 16-200 and NFPA 70, Article 725.121.
2. The equipment has only been tested for safety. No evaluation of functional safety and performance characteristics has been conducted.
3. The equipment is provided with cable gland entries with or without adapter. Blanking plugs, cable glands, conduit hubs or fittings, shall be appropriately approved Type Rating, 4X and IP Rating IP66/IP67, when used with the equipment.
4. PXS100 may be fitted with Manifold (M26), the process connections shall use the options provided in M26 CRN Approval under Reference No. 0C19875.2. Pressure Rupture and Leakage, and raw materials compatibility with end-product process fluids shall be considered at end-product installation.
5. PXS100 and PXF100 Series may be fitted with different end-product process connector, welded or appropriate fittings, with or without O-ring/Gasket, suitability and Product Safety compliance of process connection and gaskets shall be considered at end-product installation.
6. PXD100 Series are fitted with Remote Diaphragm Seal (S26) as accessories for process integration. These accessories are provided with fittings for end-process integration according to ASME B16.5 or equivalent, which are not part of the assessment. Compliance shall be considered at end-product use and installation.
7. When the PXD100 or PXF100 Series are used with the S26 series (models S26RA/RE/WA/WE/FA/FE) or Process Connections/Couplings respectively, it shall be the responsibility of the end-user to mount the gaskets or O-Ring (if required and/or supplied) and to comply with the Product Safety requirements when fitted in the approved equipment/accessories.
8. The Membrane material used in the transducer is in accordance with its product code, refer to Att4 – Data Sheets for details. Process fluids compatibility to the Membrane’s material or coating (i.e., corrosion reaction) shall be considered at end-product installation or use.
9. When the PXP100 Series are used, the process pressure shall be equal or less than the Nominal Pressure of the Seal, and not exceeding the transmitter’s rated pressure.

APPLICABLE REQUIREMENTS

- | | |
|---|---|
| CSA Standard C22.2 No. 61010-1-12, UPD1:2015, UPD2:2016 | - Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use, Part 1: General Requirements |
| UL Standard.61010-1, 3rd Edition (2012) | - Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use, Part 1: General Requirements |
| CSA Standard C22.2 NO. 94.2-15 | - Enclosures for Electrical Equipment, Environmental Considerations |
| UL Standard 50E, 2 nd Ed | - Enclosures for Electrical Equipment, Environmental Considerations |



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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 shown with adjacent indicators 'C' and 'US' for Canada and US (indicating that products have been manufactured to the requirements of both Canadian and U.S. Standards) or with adjacent indicator 'US' for US only or without either indicator for Canada only.

The following markings appear on the product:

1. Submitter's identification (company name and/or file number and/or registered tradename);
2. Marking on the unit that indicates the manufacturing location if the equipment is manufactured at more than one factory location;
3. Model designation;
4. Electrical rating;
5. Date of manufacture: Month and year of manufacture or date code. If a serial number is used instead of date of manufacture, a record of serial numbers shall be kept traceable to date of manufacture. (Not related to date of sale).
6. The products listed 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: , or , or .

7. Protective earthing TERMINAL is identified by the IEC 60417 No 5019 symbol , adjacent to the TERMINAL.
8. Type 4X rating.
9. IP 66/67

Notes:

Products certified under Class C225206, C225286 have been certified under CSA's ISO/IEC 17065 accreditation with the Standards Council of Canada (SCC). www.scc.ca

