



Certificate of Compliance

Certificate: 70149829

Master Contract: 270827

Project: 70149829

Date Issued: February 13, 2018

Issued to: ADZ Nagano GmbH
Bergener Ring 43
Ottendorf-Okrilla
01458
Germany

Attention: Dietmar Arndt

The products listed below 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 US Standards) or with adjacent indicator 'US' for US only or without either indicator for Canada only



Issued by: H. Gambell
H. Gambell

CLASS 2258 04 - PROCESS CONTROL EQUIPMENT - Intrinsicly Safe, Entity - For Hazardous Locations

With flange plug

IS Class I, Division 1, Groups A, B, C and D T4
Ex ia IIC T4 Ga

With other plugs

IS Class I, Division 1, Groups A, B, C and D T4
Ex ia IIC T4 Gb
Or
IS Class I, Division 1, Groups C and D T4
Ex ia IIB T4 Ga

CLASS 2258 84 - PROCESS CONTROL EQUIPMENT - Intrinsicly Safe, Entity - For Hazardous Locations –
Certified to US Standards



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With flange plug

Class I, Division 1, Groups A, B, C and DT4
Class I Zone 0 AEx ia IIC T4 Ga

With other plugs

Class I, Division 1, Groups A, B, C and DT4
Class I Zone 1 AEx ia IIC T4 Gb
Or
IS Class I, Division 1, Groups C and D T4
Class I Zone 0 AEx ia IIB T4 Ga

Current Models:

SMX2-EXi-10.0 Pressure transducers

PSMX2-EXi-10.0 Level probes, intrinsically safe, $-40^{\circ}\text{C} \leq T_{\text{amb}} \leq +85^{\circ}\text{C}$, process medium temperature range:

-40°C to $+100^{\circ}\text{C}$, $U_i = 27\text{ V}$, $I_i = 125\text{ mA}$, $P_i = 0.85\text{ W}$, $C_i = 5\text{ nF}$, $L_i = 0$

High Voltage Models:

SMX2-EXi-20.0 Pressure transducers

PSMX2-EXi-20.0 Level probes, intrinsically safe, $-40^{\circ}\text{C} \leq T_{\text{amb}} \leq +85^{\circ}\text{C}$, process medium temperature range: -40°C to $+100^{\circ}\text{C}$, $U_i = 27\text{ V}$, $I_i = 125\text{ mA}$, $P_i = 0.85\text{ W}$, $C_i = 12.1\text{ nF}$, $L_i = 0$

Low Voltage Models:

SMX2-EXi-20.4 Pressure transducers

SMX2-EXi-20.4 PSMX2-EXi-20.4 Level probes, intrinsically safe, $-40^{\circ}\text{C} \leq T_{\text{amb}} \leq +85^{\circ}\text{C}$, process medium temperature range: -40°C to $+100^{\circ}\text{C}$, $U_i = 6\text{ V}$, $I_i = 600\text{ mA}$, $P_i = 0.9\text{ W}$, $C_i = 9.27\text{ }\mu\text{F}$, $L_i = 0$

CLASS 2258 04 - PROCESS CONTROL EQUIPMENT - Intrinsically Safe, Entity - For Hazardous Locations

IS Class I, Division 1, Groups C and D T3
Ex ia IIB T3 Gb

CLASS 2258 84 - PROCESS CONTROL EQUIPMENT - Intrinsically Safe, Entity - For Hazardous Locations – Certified to US Standards

IS Class I, Division 1, Groups C and D T3
Class I Zone 1 AEx ia IIB T3 Gb

Current Models:

TSX2-EXi-10.0 Temperature transducers, intrinsically safe, $-40^{\circ}\text{C} \leq T_{\text{amb}} \leq +85^{\circ}\text{C}$, process medium temperature range: -40°C to $+200^{\circ}\text{C}$, $U_i = 27\text{ V}$, $I_i = 125\text{ mA}$, $P_i = 0.85\text{ W}$, $C_i = 5\text{ nF}$, $L_i = 0$



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High Voltage Models:

TSX2-EXi-20.0 Temperature transducers, intrinsically safe, $-40^{\circ}\text{C} \leq T_{\text{amb}} \leq +85^{\circ}\text{C}$, process medium temperature range: -40°C to $+200^{\circ}\text{C}$, $U_i = 27\text{ V}$, $I_i = 125\text{ mA}$, $P_i = 0.85\text{ W}$, $C_i = 12.1\text{ nF}$, $L_i = 0$

Low Voltage Models:

TSX2-EXi-20.4 Temperature transducers, intrinsically safe, $-40^{\circ}\text{C} \leq T_{\text{amb}} \leq +85^{\circ}\text{C}$, process medium temperature range: -40°C to $+200^{\circ}\text{C}$, $U_i = 6\text{ V}$, $I_i = 600\text{ mA}$, $P_i = 0.9\text{ W}$, $C_i = 9.27\text{ }\mu\text{F}$, $L_i = 0$

Conditions of Acceptability:

1. The external pins (clk, dat) on the plugs are only for calibration, and shall not be used ~~and~~ connected in the hazardous area.
2. Under certain extreme circumstances, the exposed plastic of the non-metallic plugs may generate an ignition-capable level of electrostatic charge. Therefore the equipment shall not be installed in a location where the external conditions are conducive to the build-up of electrostatic charge on the plastic surfaces. In addition, the equipment shall only be cleaned with a damp cloth. This is particularly important if the equipment is installed in a Zone 0 or Division 1 location.

APPLICABLE REQUIREMENTS

CAN/CSA-C22.2 No. 0-10	General requirements — Canadian Electrical Code, Part II
CAN/CSA-C22.2 No. 61010-1-12 (Update 1 & 2, April 2016), (3rd Edition)	Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use — Part 1: General Requirements
CAN/CSA-C22.2 No. 60079-0:15	Explosive atmospheres – Part 0: Equipment – General requirements
CAN/CSA-C22.2 No. 60079-11:14	Explosive atmospheres – Part 11: Equipment protection by intrinsic safety “i”
ANSI/UL 60079-0-2013 Sixth Edition	Explosive atmospheres – Part 0: Equipment – General requirements
ANSI/UL 60079-11 – 2013 Sixth Edition	Explosive Atmospheres – Part 11: Equipment Protection by Intrinsic Safety “i”
ANSI/UL 61010-1 Third Edition (Rev up to April 2016)	Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use — Part 1: General Requirements
ANSI/UL 913 – 2013 Eighth Edition	Intrinsically Safe Apparatus and Associated Apparatus for Use in Class I, II and III, Division I, Hazardous Locations



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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:

- CSA Monogram with C, US indicator.
- Manufacturer's name or CSA Master Contract Number adjacent to CSA mark.
- Entity parameters
- Maximum ambient temperature rating
- Model Number
- Serial Number and Year of manufacture.
- COC number : CSA 16-CA 70149829
- WARNING: SUBSTITUTION OF COMPONENTS MAY IMPAIR INTRINSIC SAFETY" and AVERTISSEMENT: LA SUBSTITUTION DE COMPOSANTS PEUT COMPROMETTRE LA SÉCURITÉ INTRINSÈQUE" or equivalent.
- Terminal markings