



Certificate of Compliance

Certificate: 70080999

Master Contract: 267726

Project: 70203198

Date Issued: February 25, 2019

Issued to: Prignitz Mikrosystemtechnik GmbH
Margarethenstrasse 61
19322 Wittenberge
GERMANY

Attention: Dr. Gert Schoenfelder

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:

Ian Henderson

CLASS 2258 04 - PROCESS CONTROL EQUIPMENT - Intrinsically 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



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

With flange plug

Class I, Division 1, Groups A, B, C and D T4

Class I Zone 0 AEx ia IIC T4 Ga

With other plugs

Class I, Division 1, Groups A, B, C and D T4

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:

SPT-EXi/SPT-EXi-FH/CIT-EXi/CIT-EXi-FH Pressure transducers

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

$-40\text{ }^{\circ}\text{C}$ to $+100\text{ }^{\circ}\text{C}$, $U_i = 27\text{ V}$, $I_i = 125\text{ mA}$, $P_i = 0.85\text{ W}$, $C_i = 12.1\text{ nF}$, $L_i = 0$

High Voltage Models:

SPTU-EXi/SPTU-EXi-FH/CITU-EXi/CITU-EXi-FH Pressure transducers

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

Low Voltage Models:

SPTV-EXi/CITV-EXi Pressure transducers

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

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:

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



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High Voltage Models:

STTU-EXi/CTTU-EXi 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:

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

North American entity parameters as appropriate.

Conditions of Acceptability:

1. The external pins (clk, dat) on the plugs are only for calibration, and shall not be 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.
3. When fitted with a TURCK P-RSF 442-* connectors the installation of the cables and receptacles shall be to TURCK control drawings NI-2.404. Only components listed are approved for the connection.

APPLICABLE REQUIREMENTS

CAN/CSA-C22.2 No. 0-10
CAN/CSA-C22.2 No. 61010-1-12
(Update 1 & 2, April 2016), (*3rd Edition*)
CAN/CSA-C22.2 No. 60079-0:15
CAN/CSA-C22.2 No. 60079-11:14

ANSI/UL 60079-0-2013 *Sixth Edition*
ANSI/UL 60079-11 – 2013
Sixth Edition
ANSI/UL 61010-1 *Third Edition*
(Rev up to April 2016)
ANSI/UL 913 – 2013 *Eighth Edition*

General requirements — Canadian Electrical Code, Part II
Safety Requirements for Electrical Equipment for Measurement,
Control, and Laboratory Use — Part 1: General Requirements
Explosive atmospheres – Part 0: Equipment – General requirements
Explosive atmospheres – Part 11: Equipment protection by intrinsic
safety “i”
Explosive atmospheres – Part 0: Equipment – General requirements
Explosive Atmospheres – Part 11: Equipment Protection by Intrinsic
Safety “i”
Safety Requirements for Electrical Equipment for Measurement,
Control, and Laboratory Use — Part 1: General Requirements
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-CA70080999
- WARNING: SUBSTITUTION OF COMPONENTS MAY IMPAIR INTRINSIC SAFETY” and AVERTISSEMENT: LA SUBSTITUTION DE COMPOSANTS PEUT COMPROMETTRE LA SÉCURITÉ INTRINSÈQUE” or equivalent.
- Terminal markings