



Certificate of Compliance

Certificate: 70159209

Master Contract: 267726

Project: 70159209

Date Issued: March 20, 2019

Issued to: Prignitz Mikrosystemtechnik GmbH
Margarethenstrasse 61
Wittenberge,
19322
GERMANY

Attention: Sabine Stoltenberg

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:


Jens Ensminger

PRODUCTS

CLASS C225802 - PROCESS CONTROL EQUIPMENT-For Hazardous Locations-

CLASS C225882 - PROCESS CONTROL EQUIPMENT-For Hazardous Locations - Certified to US Standards

Ex nA IIC T4 Gc

Class I, Zone 2 AEx nA IIC T4 Gc

Class I, Division 2, Groups A, B, C, D T4

Pressure transmitters: SPT-ExnA-** ;

**	parameters	values
UR	supply voltage: supply current: output signal:	5 V DC +/- 10 % max. 7 mA 0,5 ... 4,5 V DC
U'x'	supply voltage: supply current: output signal:	12 ... 27 V DC max. 7 mA 0 ... 10 V DC
I2	supply voltage: supply current: output signal:	10 ... 27 V DC max. 21.6 mA 4 ... 20 mA



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Ambient temperature depending on connection variant:

Brad Ultra-Lock EX M12	$-20\text{ °C} \leq T_a \leq 30\text{ °C}$
MiniFast	$-40\text{ °C} \leq T_a \leq 80\text{ °C}$
Cable with conduit connection	$-40\text{ °C} \leq T_a \leq 80\text{ °C}$

Notes:

- I. The maximum working pressure of the transmitter is 1500 bar. It depends on the used pressure cells. The approved structure is shown in “Att1 Overview pressure cells”.
- II. The Class I, Division 2 marking is applied according optional marking to CSA and UL 60079-0.

Conditions of Acceptability:

1. The male connector of the Turck Minifast model P-RSF 4xxx shall be connected to the Class I, Division 2 certified female connector model Turck “P-RK...” secured with “Lock-Mini” certified under CSA File 082245_0_000, Certificate 1690200. In addition, the Brad/MOLEX Ultra-Lock Connector M12 shall be connected to the Brad/Molex Ultra-Lock M12 Ex connector certified under CSA File 006837_0_000, Certificate 2251424.
2. The Equipment, which is delivered with a cable outlet shall be connected to a conduit installation. Information are contained in the instruction manual.
3. Provision shall be made external to the equipment to provide the transient protection component to be set at a level not exceeding 140 % of the peak rated voltage value of 85 Vdc.
4. Equipment is supplied from a limited energy supply (IS barrier) or Limited Power Source or NEC class 2 Power Supply.

APPLICABLE REQUIREMENTS

CAN/CSA-C22.2 No. 60079-0:15 Ed. 5	Explosive Atmospheres - Part 0: Equipment - General requirements
CAN/CSA-C22.2 No. 60079-15:16	Explosive atmospheres — Part 15: Equipment protection by type of protection “n”
CAN/CSA-C22.2 No. 61010-1-12	Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use, Part 1: General Requirements
UL 60079-0 Sixth Edition	Electrical Apparatus for Explosive Gas Atmospheres - Part 0: General Requirements
UL 60079-15 Fourth Edition	Explosive atmospheres — Part 15: Equipment protection by type of protection “n”
UL Std. No. 61010-1 (3rd Edition)	Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use - Part 1: General Requirements



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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.

Markings are on laser printed on the enclosure. The following marking details appear:

- CSA Monogram with C-US indicator.
- Submitter Identification with master contact number
- Certificate reference CSA18.70159209
- Model Number
- Serial Number, Date Code or Month and Year of Manufacture
- Electrical Ratings as per product listing
- Hazardous Location Designation as per product listing
- Ambient temperature range as per product listing
- Maximum working pressure

The following warnings shall be applied:

WARNING – DO NOT SEPARATE WHEN ENERGIZED
AVERTISSEMENT – NE PAS SÉPARER SOUS TENSION