



CSA INTERNATIONAL

Certificate of Compliance

Certificate: 1289782 (28549)

Master Contract: 152564

Project: 1548344

Date Issued: 2004/04/28

Issued to: Moore Industries - International,
Inc.
16650 Schoenborn St
Sepulveda, California 91343-6196
USA
Attention: Gus Elias

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



Issued by: Patrick Conway C.E.T.

Authorized by: Patricia Pasemko, Operations
Manager

PRODUCTS

Class 2258-02 – Process Control Equipment – For Hazardous Locations

Class 2258-04 – Process Control Equipment – Intrinsically Safe, Entity - for Hazardous Locations

Class I, Div 1 Groups A, B, C, & D; Class II, Division 1, Groups E, F, & G; Class III; Division 1; Ex ia IIC
T4/T5/T6, Ex d IIC T4/T5/T6

Current to Pressure Transmitter model IPX2-NG with Natural Gas input. Input rated at 4-20 mA, 4-12mA,
12-20mA, 30Vdc(max). Outputs rated at up to 30psig. Enclosure is rated at Type 4X and IP66. Temperature
Codes: T6 @ 55°C, T5 @ 70°C and T4 @ 85°C. Ambient Temperature Range: -40°C to 85°C. Maximum



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supply pressure 40psig.

Intrinsically Safe with the following Entity parameters when installed as per drawing 100-100-65

$V_{max}, U_i = 30 \text{ Vdc}$ $I_{max}, I_i = 110 \text{ mA}$ $P_{max}, P_i = 0.6953 \text{ W}$ $C_i = 3.0 \text{ } \mu\text{F}$ $L_i = 1.14 \text{ } \mu\text{H}$

NOTES:

1. To be supplied by Class 2 or SELV Limited Circuit as defined by CAN/CSA # 1010.1 Annexes F.2.1 and H
2. "Model IPX2-NG is suitable for use in Class I Division 2 or Zone 2 Hazardous 'Classified' Areas only when adhering to the special conditions-of-use stated in Moore Industries' Technical Descriptive Notice; document control number 700-768-00C.

Class I, Div 1 & 2 Groups A, B, C, & D; Class II Div 1 & 2 Groups E, F, & G; Class III, Div 1 & 2; ; Ex ia IIC T4/T5/T6; Ex d IIC T4/T5/T6; Ex nA IIC T4/T5/T6

Current to Pressure Transmitter model IPX2 with Instrument Air input. Inputs rated at 4-20 mA, 4-12mA, 12-20mA, 30Vdc(max). Outputs rated at up to 30psig. Enclosure is rated at Type 4X and IP56. Temperature Codes: T6 @ 55°C, T5 @ 70°C and T4 @ 85°C. Ambient Temperature Range: -40°C to 85°C. Maximum supply pressure 40psig.

Intrinsically Safe with the following Entity parameters when installed as per drawing 100-100-65

$V_{max}, U_i = 30 \text{ Vdc}$ $I_{max}, I_i = 110 \text{ mA}$ $P_{max}, P_i = 0.6953 \text{ W}$ $C_i = 3.0 \text{ } \mu\text{F}$ $L_i = 1.14 \text{ } \mu\text{H}$

NOTE:

1. To be supplied by Class 2 / SELV Limited Circuit as defined by CAN/CSA # 1010.1 Annexes F.2.1 and H

APPLICABLE REQUIREMENTS

C22.2 No 0-M 91 - General Requirements - Canadian Electrical Code, Part II

C22.2 No 0.4-M82 - Bonding and Grounding of Electrical Equipment (Protective Grounding)

C22.2 No. 0.5-1982 - Threaded Conduit Entries

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

C22.2 No. 45-M1981 (R1999) - Rigid Metal Conduit

C22.2 No 94-M91 (R2001) - Special Purpose Enclosures

C22.2 No. 157-92 - Intrinsically Safe and Non-Incendive Equipment for use in Hazardous Locations

C22.2 No. 213-M1987 (R1992) - Non-Incendive Electrical Equipment for use in Class I Division 2 Hazardous



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Locations

CAN/CSA-E79-0-95 - Electrical apparatus for explosive gas atmospheres – Part 0: General Requirements

CAN/CSA-E79-1-95 - Electrical apparatus for explosive gas atmospheres – Part 1: Construction and verification test of flameproof enclosures of electrical apparatus

CAN/CSA-E79-11-95 - Electrical apparatus for explosive gas atmospheres – Part 11: Intrinsic safety “i”

CAN/CSA-E79-15-95 - Electrical apparatus for explosive gas atmospheres – Part 15: Electrical apparatus with type of protection “n”

CAN/CSA-E79-18-95(as a guide) Electrical apparatus for explosive gas atmospheres – Part 18: Encapsulation “m”

C22.2 No. 1010.1-92 - Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use, Part 1: General Requirements

C22.2 No. 1010.1B?97 - Amendment 2 to CAN/CSA?C22.2 No. 1010.1?92, "Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use, Part 1: General Requirements"

T.I.L. No I -29 - Additional Requirements For Process Control Equipment Certified to CSA Standard CAN/CSA C22.2 No 1010.1-92



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Supplement to Certificate of Compliance

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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
1548344	2004/04/28	Update to 128972 to cover change in T-Code, Entity Parameters and the addition of the solid cover option

History

1289782 August 30, 2002 Original Certification of models IPX2 and IPX2-NG Current to Pressure Transmitters.

1362232 October 22, 2002 Update to 1289782 to include additional testing on conduit fitting as per CIR # 2002EE13.

1447946 June 06, 2003 Update to 1289782 to include minor changes to illustration and the alteration of condition pertaining to model IPX2-NG within a Class I, Division 2 Locations.