CSA INTERNATIONAL

Certificate of Compliance

Certificate: 1289782 (28549) **Master Contract:** 152564

Project: 1548344 **Date Issued:** 2004/04/22

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 with adjacent indicators 'C' and 'US'

C US

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

The 'C' and 'US' indicators adjacent to the CSA Mark signify that the product has been evaluated to the applicable CSA and ANSI/UL Standards, for use in Canada and the U.S., respectively. This 'US' indicator includes products eligible to bear the 'NRTL' indicator. NRTL, i.e. National Recognized Testing Laboratory, is a designation granted by the U.S. Occupational Safety and Health Administration (OSHA) to laboratories which have been recognized to perform certification to U.S. Standards.

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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

Vmax, Ui = 30 Vdc Imax, Ii = 110 mA Pmax, Pi = 0.6953 W Ci = 3.0 ηF Li = 1.14 µH

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

Vmax, Ui = 30 Vdc Imax, Ii = 110 mA Pmax, Pi = 0.6953 W Ci = 3.0 ηF Li = 1.14 µH

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

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