



Certificate of Compliance

Certificate: 70002331

Master Contract: 208772

Project: 70002331

Date Issued: March 25, 2014

Issued to: Fluidwell B.V.
Voltaweg 23
5466 AZ Veghel
NETHERLANDS
Attention: R.Amiot

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



Issued by: E.Giusti
E.Giusti

PRODUCTS

CLASS 2258 04 - PROCESS CONTROL EQUIPMENT - Intrinsically Safe Entity - For Hazardous Locations
CLASS 2258 84 - PROCESS CONTROL EQUIPMENT - Intrinsically Safe Entity - For Hazardous Locations -
Certified to US Standards

IS Class I, II, III, Division 1, Groups A to G
Ex ia IIC
Class I, Zone 0 AEx ia IIC T4

Indicators model series F400 and Model Series D400; 4 ... 20 mA loop powered for panel mounting or field mounting (F400 only) applications. Intrinsically safe when installed as per Control Drawing reference CD1104.11.

Type -XI is for connection in series with an intrinsically safe circuit. The indicators may optionally be provided with a backlight.

The indicator enclosure ensures a degree of protection of at least IP65 in accordance with CAN/CSA 60529 and ANSI/IEC 60529.



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Ambient Temperature Range -30°C to 70°C; intrinsically safe with entity parameters as described below:

Terminal No. Input circuits	Safety parameter
4 and 5 Power Supply	$U_i (V_{max}) = 30 \text{ V}$ $I_i (I_{max}) = 0.200 \text{ A}$ $P_i = 1.2 \text{ W}$ $L_i = 0 \text{ mH}$ $C_i = 0 \text{ nF}$
9 and 10 Backlight Separated from input circuit	$U_i (V_{max}) = 28 \text{ V}$ $I_i (I_{max}) = 0.200 \text{ A}$ $P_i = 0.96 \text{ W}$ $L_i = 0 \text{ mH}$ $C_i = 0 \text{ nF}$

APPLICABLE REQUIREMENTS

CSA C22.2 No. 0-M91 - General Requirements - Canadian Electrical Code, Part II

CAN/CSA C22.2 No. 142:M1987 (R2009) – Process Control Equipments

CSA C22.2 No. 157:M1992 - Intrinsically Safe and Non-Incendive Equipment for Use in Hazardous Locations

CAN/CSA C22.2 No 60079-0:11 - Electrical Apparatus for Explosive Gas Atmospheres - Part 0: General Requirements

CAN/CSA C22.2 No 60079-11:11 - Electrical Apparatus for Explosive Gas Atmospheres - Part 11: Intrinsic Safety "i"

CAN/CSA-C22.2 NO. 60529: 05 - Degrees of protection provided by enclosures (IP Code)

ANSI/ISA 60079-0 (12.00.01): 2009 - Explosive atmospheres – Part 0: Equipment – General Requirements - 12.00.01

ANSI/ISA 60079-11 (12.02.01): 2009 - Explosive Atmospheres – Part 11: Equipment protection by intrinsic safety "i" - 12.02.01

ANSI/IEC 60529:2004 - Degrees of protection provided by enclosures (IP Code)

UL 916: 2007 - Energy Management Equipment.



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MARKINGS

METHOD OF MARKING:

The permanent markings appear on a self-adhesive label manufactured by 3M (CUL MH18072) and is mounted on the surface of the apparatus.

- (1) Submitter's name, trademark
- (2) Catalogue / Model designation.
- (3) Date code / Serial number traceable to month and year of manufacture.
- (4) The cCSAus Monogram
- (5) Maximum ambient temperature $T_a = + 70 \text{ }^\circ\text{C}$
- (6) Reference to control drawing CD1104.11
- (7) Certificate number CSA.14.70002331
- (8) Hazardous location ratings:
 - “IS Class I/II/III, Division 1, Groups A to G”
 - “Ex ia IIC / Class I, Zone 0 AEx ia IIC T4”

Nameplate is as per drawing DF400_IS. Applicable Control drawing CD1104.11 is shipped with each product.

Note - Jurisdictions in Canada may require these markings to also be provided in French language. It is the responsibility of the manufacturer to provide bilingual marking, where applicable, in accordance with the requirements of the Provincial Regulatory Authorities.



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
70002331	March 25, 2014	Original Certification.