



Certificate of Compliance

Certificate: 1067708

Master Contract: 200600

Project: 1665380

Date Issued: 2005/07/18

Issued to: Endress + Hauser Wetzer GmbH Co. KG

Obere Wank 1
Nesselwang, 87484
Germany

Attention: Mr. Michael Pfanzelt

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



Issued by: 
E. Foo, C.E.T.

Authorized by: Nick Alfano, Operations Manager



PRODUCTS

CLASS 2258 04 - PROCESS CONTROL EQUIPMENT - Intrinsically Safe, Entity - For Hazardous Locations

Class I, Zone 0: [Ex ia] IIC:

Class I, Groups A, B, C & D; Class II, Groups E, F & G; Class III:

- Transmitter power supply, Model RN 221N, rated 20 to 250 Vac/dc, 50/60 Hz (ac only), 2.5 W.

Associated apparatus providing a two-wire Intrinsically Safe output having Entity Parameters: $U_o = 27.3$ V;

$I_o = 87.6$ mA; $P_o = 0.597$ W; $C_o = 86$ nF (IIC), 681nF (IIB), 2278 nF (IIA); $L_o = 2.9$ mH (IIC), 9.9 mH (IIB).



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19.9 mH (IIA) when installed per Control Dwg 02 02 00 112.

Note: DIN rail panel-mounted transmitter for installation in a suitable enclosure where its acceptability is subject to the local inspection authority. Temp. Code not required for associated apparatus installed in non-hazardous locations.

CLASS 2252 03 - PROCESS CONTROL EQUIPMENT – Ordinary Locations

- Transmitter power supply, Model RN 221N, rated 20 to 250 Vac/dc, 50/60 Hz (ac only), 2.5 W, Rated ambient -20 to 50 Deg C, Installation Category II, Pollution Degree 2.

APPLICABLE REQUIREMENTS

CSA Std C22.2 No. 142-M1987 - Process Control Equipment

CAN/CSA-E60079-11:02 - Electrical Apparatus for Explosive Gas Atmospheres -Part 11: Intrinsic Safety "i"

CAN/CSA-E60079-0:02 - Electrical Apparatus for Explosive Gas Atmospheres - Part 0: General Requirements

CAN/CSA-C22.2 No. 1010.1-92 - Safety Requirements for Electrical Equipment for Measurement, Control and Laboratory Use.

MARKINGS

- Submittor's name or tradename and/or CSA Master Contract No 200600;
- Model designations;
- Electrical ratings;
- CSA Monogram with Certificate Number "02 1067708 X" adjacent;
- Serial number or date code;
- Hazardous Locations designations, "Provides Intrinsically Safe Field Connection for [Ex ia] IIC: Class I, Zone 0: Class I, Groups A, B, C & D; Class II, Groups E, F & G; Class III".



Supplement to Certificate of Compliance

Certificate: 1067708

Master Contract: 200600

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 |
|----------------|-------------|--|
| 1665380 | 2005/07/18 | Update to report to include Smart version pcb - I.S. |
| 1590152 | 2005/03/18 | Certification of Model RN 221N to C22.2 No. 1010.1 |

History

| | | |
|---------|-------------|--|
| 1418147 | Mar.25/2003 | Circuit revision, Schematic 02 02 01 030 changed to 02 02 01 040 |
| 1067708 | May 1/2002 | Original Certification, Transmitter model RN 221N |