



Certificate of Compliance

Certificate: 1125003

Master Contract: 206947

Project: 2243864

Date Issued: 2009/12/09

Issued to: PR Electronics A/S

Lerbakken 10
Ronde, 8410
Denmark
Attention: Peter Bergmann

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.



Mitchell Rushing

Issued by: Mitchell Rushing

PRODUCTS

CLASS 2258 03 - PROCESS CONTROL EQUIPMENT - Intrinsically Safe and Non - Incendive Systems - For Hazardous Locations

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

Class 2258-04

Class I, Division 1, Groups A, B, C and D

Ex ia IIC

Models 5331D, 5333D, 5335D and 6335D temperature transmitters, input rated 8-28 Vdc, 4-20 mA; with entity parameters: $U_i(V_{max})=30V$, $I_i(I_{max})=120mA$, $P_i=0.84W$, $L_i=10\mu H$, $C_i=1nF$, (output entity parameters for models 5335D and 6335D: $U_o(V_{oc})=9.6V$, $I_o(I_{sc})=28mA$, $P_o(P_{max})=67.2mW$, $C_o(C_a)=3.5\mu F$, $L_o(L_a)=35mH$), intrinsically safe when connected according to Installation Drawing No. 533XQC03 and Installation Drawing No. 6335QC02; Temperature Code: T6 for maximum ambient temperature of 60°C and T4 for maximum ambient temperature of 85°C.



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Note: The units are certified as a component for use within an enclosure where the suitability of the final combination is to be determined by authority having jurisdiction.

Class 2258-84

Class I, Division 1, Groups A, B, C and D

Class I, Zone 0, AEx ia IIC

Models 5331D, 5333D, 5335D and 6335D temperature transmitters, input rated 8-28 Vdc, 4-20 mA; with entity parameters: $U_i(V_{max})=30V$, $I_i(I_{max})=120mA$, $P_i=0.84W$, $L_i=10\mu H$, $C_i=1nF$, (output entity parameters for models 5335D and 6335D: $U_o(V_{oc})=9.6V$, $I_o(I_{sc})=28mA$, $P_o(P_{max})=67.2mW$, $C_o(C_a)=3.5\mu F$, $L_o(L_a)=35mH$), intrinsically safe when connected according to Installation Drawing No. 533XQC03 and Installation Drawing No. 6335QC02; Temperature Code: T6 for maximum ambient temperature of 60°C and T4 for maximum ambient temperature of 85°C.

Note: The units are certified as a component for use within an enclosure where the suitability of the final combination is to be determined by authority having jurisdiction.

Class 2258-03

Class I, Division I, Groups A, B, C and D:

Model 5333Z input rated 8-28 Vdc and model 5335Z, input rated 8-30 Vdc, 4-20 mA temperature transmitters, intrinsically safe when connected according to Installation Drawing No. 5333ZQC01 and Installation Drawing No. 5335ZQC02; Temperature Code: T6 for maximum ambient temperature of 60°C and T4 for maximum ambient temperature of 85°C.

Note: The units are certified as a component for use within an enclosure where the suitability of the final combination is to be determined by authority having jurisdiction.

APPLICABLE REQUIREMENTS

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

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

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

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

UL Std No. 913, 7th Ed. - Intrinsically Safe Apparatus and Associated Apparatus for use in Class I, II, and III, Division 1, Hazardous (Classified) Locations

UL Std No. 916, 4th Ed. - Energy Management Equipment

UL Std No. 60079-11, 5th Ed. - Electrical Apparatus for Explosive Gas Atmospheres Part 11: Intrinsic Safety "i"

MARKINGS



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- CSA Monogram with C-US indicator for models 5331D, 5333D, 5335D and 6335D
- CSA Monogram for models 5333Z and 5335Z
- Company name
- Model number
- Serial number
- Electrical rating
- Entity parameters
- Hazardous locations designation, Exia IIC, AEx ia IIC
- Temperature Code T4..T6
- Max. Ambient (60°C..85°C)
- A statement re Intrinsically Safe and reference to I.S.
- Certificate Number (2000.1125003)
- Reference to installation drawing