



Certificate of Compliance

Certificate: 70006718

Master Contract: 151079

Project: 70006718

Date Issued: August 7, 2014

Issued to: Endress + Hauser GmbH + Co. KG
Hauptstrasse 1
Maulburg, Baden-Wurttemberg 79690
Germany
Attention: Steve Czaniecki

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.



Eshwar Kashyap

Issued by: Eshwar Kashyap

PRODUCTS

CLASS 2258 83 - PROCESS CONTROL EQUIPMENT-Intrinsically Safe and Non-Incendive - Systems-For Hazardous Locations-Certified to U.S. Standards

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

[Ex ic Gc] IIC:

[AEx ic Gc] IIC:

Associated Equipment for Class I, Division 2 Groups A, B, C and D:

Nivotester Liquiphant Failsafe, Level Limit Switch, Types FTL825-*abcd*+xx (where *a* = CB or 8C); input rated 85-250Vac, 50/60Hz, 3.8VA, 85-250 Vdc, 2.0W (where *c* = A), or 20-30Vac, 50/60Hz, 3.6VA, 20-60Vdc, 2.5W (where *c* = E); relay contacts rated 250Vac/40Vdc, 2A; provides non-incendive field wiring circuits with entity parameters $V_{oc} (U_o) = 22V$, $I_{sc} (I_o) = 166mA$, $P_o = 970mW$, C_o , L_o and installation per Control Dwg XA00647F for connection to approved equipment installed in Class I, Div.2/Zone 2 hazardous locations; suffixes in model code denote options such as certification, housing, power supply, switch outputs.



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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 U.S. Standards

[Ex ia Ga] IIC:

[AEx ia Ga] IIC:

Associated Equipment for Class I, Division 1, Groups A, B, C and D; Class II, Groups E, F and G; Class III:

Nivotester Liquiphant Failsafe, Level Limit Switch, Types FTL825-*abcd*+xx (where *a* = CB or 8C); input rated 85-250Vac, 50/60Hz, 3.8VA, 85-250 Vdc, 2.0W (where *c* = A), or 20-30Vac, 50/60Hz, 3.6VA, 20-60Vdc, 2.5W (where *c* = E); relay contacts rated 250Vac/40Vdc, 2A; provides intrinsically safe outputs with entity parameters Voc (U_o) = 22V, I_{sc} (I_o) = 166mA, P_o = 970mW, Co, Lo and installation per Control Dwg XA00647F; suffixes in model code denote options such as certification, housing, power supply, switch outputs.

CLASS 2252 06 - PROCESS CONTROL EQUIPMENT

CLASS 2252 86 - PROCESS CONTROL EQUIPMENT (Certified to U.S. Standards)

Nivotester Liquiphant Failsafe, Level Limit Switch, Types FTL825-*abcd*+xx (where *a* = CA); input rated 85-250Vac, 50/60Hz, 3.8VA, 85-250 Vdc, 2.0W (where *c* = A), or 20-30Vac, 50/60Hz, 3.6VA, 20-60Vdc, 2.5W (where *c* = E); relay contacts rated 250Vac/40Vdc, 2A.

Condition of Certification:

The Nivotester Liquiphant Failsafe, Level Limit Switch, Type FTL-825-****+** is to be used in a suitable end-use enclosure. The suitability of the enclosure is subject to investigation by the Local Authority Having Jurisdiction at the time of installation.



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APPLICABLE REQUIREMENTS

CAN/CSA C22.2 No. 0-M91	General Requirements - Canadian Electrical Code, Part II
CSA Std C22.2 No. 213-M1987(R2008)	Non-incendive Electrical Equipment for Use in Class I, Division 2 Hazardous Locations
CAN/CSA C22.2 No. 61010-1-12	Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use - Part 1: General Requirements - Third Edition
CAN/CSA C22.2 No. 60079-0:11	Explosive Atmospheres - Part 0: Equipment – General Requirements
CAN/CSA C22.2 No. 60079-11:14	Explosive Atmospheres - Part 11: Equipment protection by intrinsic safety "i"
UL 913 (8th Edition)	Intrinsically Safe Apparatus for Use in Class I, II & III, Division 1, and Class I, Zone 0 & 1 Hazardous (Classified) Locations
FMRC3611- 2004	Nonincendive Electrical Equipment for Use in Class I and Class II, Division 2, and Class III, Division 1 and 2 Hazardous (Classified) Locations
ANSI/ISA-61010-1 (82.02.01)	Electrical and Electronic Test, Measuring, and Process Control Equipment
ANSI/ISA 60079-0 (12.00.01) -2013	Explosive atmospheres – Part 0: Equipment - General Requirements
ANSI/ISA 60079-11 (12.02.01) -2013	Explosive Atmospheres - Part 11: Equipment Protection by intrinsic safety "i"