



Certificate of Compliance

Certificate: 1916494

Master Contract: 237484

Project: 2703264

Date Issued: September 15, 2014

Issued to: Automation Products Group Inc

1025 West 1700 North
Logan, UT 84321
USA
Attention: Karl Reid

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.



Andrew Redeker

Issued by: Andrew Redeker

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

Class I, Division 1, Groups C, D

Class I, Zone 0

Ex ia IIB T4

AEx ia IIB T4

- Hammer Union, Model HU-Ln-IS (Where Ln = L1, L3, L24 or L27). Temperature Code Rating T4; Ambient range -40°C to +85°C; Enclosure Type: IP65 and IP67; Maximum Working Pressure: 20,000 PSI; Installed as per Drawing 9002460; Intrinsically Safe with the following Entity Parameters:

Vmax, Ui = 28Vdc



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$I_{max}, I_i = 110\text{mA}$

$P_{max}, P_i = 1\text{W}$

$C_i = 60.89\text{nF}$

$L_i = 7.7\text{mH}$

Notes:

1. Suffixes are added to indicate options not affecting safety.
2. This device must be connected to a NRTL approved safety barrier (located in a safe area).

Notes:

APPLICABLE REQUIREMENTS

C22.2 No 0 - 10	General Requirements - Canadian Electrical Code Part II.
C22.2 No 142 - M1987	Process Control Equipment.
C22.2 No 157-92	Intrinsically Safe and Non-Incendive Equipment for Use in Hazardous Locations.
C22.2 No. 60079-0:11	Explosive Atmospheres - Part 0: Equipment - General requirements
C22.2 No. 60079-11:14	Explosive Atmospheres – Part 11: Equipment protection by intrinsic safety "i"
C22.2 No. 60529:05	Degrees of protection provided by enclosures (IP Code)
UL 916, 4th Edition	Energy Management Equipment
UL 913, 8th Edition	Intrinsically Safe Apparatus and Associated Apparatus for use in Class I, II, III, Division 1, Hazardous (Classified) Locations.
UL 60079-0:13	Electrical Apparatus for Explosive Gas Atmospheres - Part 0: General Requirements
UL 60079-11:13	Electrical apparatus for Explosive Gas Atmospheres - Part 11: Intrinsic Safety "i"
ANSI/IEC 60529:2004	Degrees of Protection Provided by Enclosures (IP Code)