



Certificate of Compliance

Certificate: 70219728

Master Contract: 237484

Project: 70219728

Date Issued: 2019-06-12

Issued to: Automated Products Group
1025 West 1700 North
Logan, Utah, 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.



Ronald (Ron) Bell
Issued by: Ronald (Ron) Bell

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, Zone 1, AEx ib [ia Ga] IIB 142°C (T3) Gb

Ex ib [ia Ga] IIB 142°C (T3) Gb

IP66

Modbus Network Display – Model MDI-940d0-fg-hi-j-k-l. Battery powered, using 3 AA size lithium cells, manufactured by SAFT, model LS14500, Xenon, model XL-060F. External circuits rated 12 VDC, 136 mA, Class 2/SELV, 809mW, Tamb = -30°C to +85°C.

Intrinsically safe when connected as per drawing 9005447.

Where:

Configurator code	Option	Description
	9	BATTERIES – 3 x AA 3.6V Lithium
	4	MODBUS RTU, IS Rated
	0	NO RELAYS
d – Enclosure	2	3” AL (1/2-14 NPT Cable Entry)
	3	4” AL (3/4-14 NPT Cable Entry)
	0	Mounting / Cover



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f	1	Main Connection Location
g – Cable connection	2	4-PIN M12 MALE CONNECTOR
	5	4-PIN M12 FEMALE CONNECTOR
	C	CABLE W/FLYING LEADS, SPECIFY LENGTH IN FEET
	M	CABLE W/CONNECTOR, SPECIFY LENGTH IN FEET
h	0	Aux connection location
i – Cable connection	0	NOT USED
	2	4-PIN M12 MALE CONNECTOR
	5	4-PIN M12 FEMALE CONNECTOR
	C	CABLE W/FLYING LEADS, SPECIFY LENGTH IN FEET
	M	CABLE W/CONNECTOR, SPECIFY LENGTH IN FEET
j	0	Backlight
k	Not Applicable	This manufacturer's option is not covered by this certification
l	Not Applicable	This manufacturer's option is not covered by this certification

Note: Configurator codes E, F, H, J, K and L are not certification related.

APPLICABLE REQUIREMENTS

Standard	Description
CAN/CSA C22.2 No. 60529:16	Degrees of protection provided by Enclosure (IP Code)
CAN/CSA C22.2 No. 61010-1-12	Safety Requirements for electrical equipment for measurement, control, and laboratory use - Part 1: General requirements
CAN/CSA C22.2 No. 60079-0:15	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”
NEMA ANSI/IEC 60529-2004 <i>R 2011</i>	Degrees of Protection Provided by Enclosures (IP Code)
ANSI/UL 61010-1:2016	Safety Requirements for electrical equipment for measurement, control, and laboratory use - Part 1: General requirements
ANSI/UL 60079-0:2013	Explosive atmospheres - Part 0: Equipment – General requirements
ANSI/UL 60079-11:2014	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety “i”

MARKINGS

The manufacturer is required to apply the following markings:

- Products shall be marked with the markings specified by the particular product standard.
- Products certified for Canada shall have all Caution and Warning markings in both English and French.

Additional bilingual markings not covered by the product standard(s) may be required by the Authorities Having Jurisdiction. It is the responsibility of the manufacturer to provide and apply these additional markings, where applicable, in accordance with the requirements of those authorities.



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The products listed are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US (indicating that products have been manufactured to the requirements of both Canadian and U.S. Standards) or with adjacent indicator 'US' for US only or without either indicator for Canada only.

Nameplate adhesive label material approval information:

CSA-Accepted adhesive label for Hazardous Locations, (Class 7923-01) Zebra Technologies, Z-Ulimate 4000T, which is suitable for indoor or outdoor use on painted aluminum at a maximum service temperature of 85C or higher. The label stock is printed with one of the approved printer and ink combinations as specified in the manufacturers listing and the finished label is affixed to the housing.

The following markings appear on each product where applicable:

1. Manufacturer's name: "Automation Products Group", or CSA Master Contract Number "237484", adjacent to the CSA Mark in lieu of manufacturer's name.
2. Model designation: As specified in the PRODUCTS section, above.
3. Serial number and year of manufacture: Serial# XXXXXX
4. Electrical ratings: As specified in the PRODUCTS section, above.
5. Ambient temperature rating: As specified in the PRODUCTS section, above.
6. Enclosure IP rating: As specified in the PRODUCTS section, above.
7. The CSA Mark with or without "C" and "US" indicators, as shown on the Certificate of Conformity.
8. Method of Protection markings (Ex -- markings): "Ex ib [ia Ga] IIB T3 Gb", for Canada, and "Class I, Zone 1, AEx ib [ia Ga] IIB T3 Gb" for USA
9. The designation: "CSA 19CA70219728"
10. The words: "Install per user manual and doc# 9005447"
11. The statement: "WARNING - Use only (3)-SAFT model LS14500 or (3)-Xeno model XL-060F batteries."
12. The statement: "ADVERTISSEMENT – Utiliser uniquement (3) batteries SAFT LS14500 OU (3) Xeno XL-060F batteries."
13. The statement: "WARNING - Do not replace batteries when an explosive atmosphere is present"
14. The statement: "ADVERTISSEMENT – Nes pas remplacer les Piles en presence D'une atmosphere explosive."



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
70219728	0000-00-00	Continuation of project 70179160 to issue reports.: Original assessment of Model MND Modbus Network Display for CSAc-us Certification as Intrinsically safe for Class I, Zone 1: Ex/AE x ib IIB. IP66