



Certificate of Compliance

Certificate: 2397437

Master Contract: 237484

Project: 80016480

Date Issued: October 16, 2019

Issued to: Automation Products Group Inc
1025 West 1700 North
Logan, Utah, 84321
UNITED STATES

Attention: Mr. Scott Hutchins

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



Issued by: *Adrian Zilahi*
Adrian Zilahi, P.Eng.

PRODUCTS

CLASS 2258 02 - PROCESS CONTROL EQUIPMENT - FOR HAZARDOUS LOCATIONS
CLASS 2258 82 - PROCESS CONTROL EQUIPMENT - FOR HAZARDOUS LOCATIONS, U.S.
Requirements

Class I, Division 1 & 2, Groups C and D T4

Ex d IIB T4

Ex nA IIB T4

Class I, Zone 1; AEx d IIB T4

Class I, Zone 2; AEx nA IIB T4

- Float Level Sensors, Model MPX- E, R, G & T (MPX- abc-de-fghi-jjj), rated 12 - 24 Vdc, 80mA, or rated 12 to 24 Vdc, 4-20mA; operating ambient Ta is 85°C; Ingress protection IP65; Field wiring is non-incendive when installed per drawing 9003468.



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Class I, Division 2, Groups C and D T4
Ex nA IIB T4
Class I, Zone 2; AEx nA IIB T4

- Float Level Sensors, Model MPX- F (model MPX- abc-de-fghi-jjj), rated 12 - 24 Vdc, 80mA, or rated 12 to 24 Vdc, 4-20mA; operating ambient Ta is 85°C; Ingress protection IP65; Field wiring is non-incendive when installed per drawing 9003468

Notes for all equipment:

1. The model code breakdown is as follows:
a= E, R, F, G or T;
b= 1, 2, 3 or 4, 5 (addition of new PCA with different stuffing options);
c= A,B or C,
d= A, B, C, D, E, F, G, Z, X, V, T, R, M, or J, N, A-Z, A1 to A9 through Z1-Z9; (new floats as needed);
e= N, B, D, Y, W, U, S, P, L, K, or I, A-Z, A1 to A9 through Z1-Z9; (new floats as needed);
f= F, R, P, S, N, or O;
g= 1, 1.5, 2, 2.5, 3, 3.5, 4, 5, 6;
h=W, S, or T; (New mount connection);
i= A, B, C D, E, F, or G; (additional wetted materials include sleeves or baked on coatings); and
j= 12–153 inches for the 1/2" stem Type E or
36-456 inches for Stem Type R, Type G and Type T or
48-720 inches for Flex stem Type F.
2. The equipment is intended to be installed as required by the applicable electrical code (CEC, NEC) and as specified by the manufacturers Installation Instructions.
3. The installation will be inspected by the authority with jurisdiction in the area where installed.

APPLICABLE REQUIREMENTS

CSA C22.2 No 0-10	General Requirements – Canadian Electrical Code, Part II – Tenth Edition
CSA C22.2 No 30-M1986 (R 2016)	Explosion-Proof Enclosures for Use in Class I Hazardous Locations Industrial Products – Third Edition
CSA C22.2 No 142-M1987 (R 2014)	Process Control Equipment Industrial Products – Third Edition
CSA C22.2 No 213-M1987 (R 2008)	Non-incendive Electrical Equipment for Use in Class I, Division 2 Hazardous Locations Industrial Products – First Edition



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CSA C22.2 No 60079-0-07	Electrical apparatus for explosive gas atmospheres – Part 0: General requirements – First Edition
CSA C22.2 No 60079-1-07	Electrical apparatus for explosive gas atmospheres – Part 1: Flameproof enclosures "d" – First Edition
CSA E60079-15-02 (R 2006)	Electrical Apparatus for Explosive Gas Atmospheres – Part 15: Type of Protection "n" – Second Edition
UL 508	Industrial Control Equipment - Eighteenth Edition; Reprint with Revisions Through and Including April 15, 2010
UL 1203	Explosion-Proof and Dust-Ignition-Proof Electrical Equipment for Use in Hazardous (Classified) Locations - Fourth Edition; Reprint with Revisions through and Including October 28, 2009
ANSI/ISA-12.12.01-2007	Nonincendive Electrical Equipment for Use in Class I and II, Division 2 and Class III, Divisions 1 and 2 Hazardous (Classified) Locations
UL 60079-0 - 6th Ed (Jul 2013)	Explosive atmospheres - Part 0 Equipment - General requirements
UL 60079-1 - 7th Ed (Sep 2015)	Explosive atmospheres - Part 1 Equipment Protection by Flameproof Enclosures "d"
UL 60079-15 – 4th Ed (Feb 2013)	Electrical Apparatus for Explosive Gas Atmospheres - Part 15 - Electrical Apparatus with Type of Protection n

MARKINGS

Please refer MARKINGS section under Descriptive Report and Test Results for details.



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
80016480	2019-10-16	Update to Report 2397437 to include clarifications to length changes made in Ed 6, addition of alternate optional digital sensor, BOM changed to allow PCB stuffing options and clerical updates.
70215897	2019-05-08	Update to Report 2397437 to include following modifications: <ol style="list-style-type: none">1. PCA, MPX-IS Electronics, New Electronics with different stuffing options.2. PCA, HR Digital Temperature Sensor, New digital temp sensor3. Alternate 0.625" stems will be used for the MPX-G sensor depending on the length and the finish.4. Alternate Finish of Stem with coating of Teflon/ PVDF/Abcite or sleeve of Teflon/Kynar/Sanitary.5. Increase in Stem length for MPX-R from 300" to 456" MPX-G from 300" to 456" MPX-T from 300" to 456" MPX-F, from 456" to 720".6. The option to remove the flexible braid and crimp the black hookup wire directly to the magnetostrictive wire.
000070187336	2018-06-08	Update to report 2397437 to include alternate connectors.
000070179161	2018-05-25	Update to report 2397437 to include alternate connectors. Quote assumes no testing or detailed assessment is required and this is a paperwork effort.
000070022593	2016-04-22	Update to Report 2397437 to include 3 new Probe types MPX-G, MPX-T (for Class 1, Div. 1 & 2 and Zones 1 & 2) and MPX-F (for Class 1, Div. 2 and Zone 2), new PCB design, and update product label material and printing method; includes testing of new probe types and PCB; assumes new label material and printing method is acceptable. Includes all testing except reference pressure tests (if deemed necessary).
0002440956	2011-07-19	Update to report 2397437 to correct misspellings and add note in Factory Tests section of report.
0002397437	2011-05-18	Original certification for the model MPX-ab-cd-efg-hhh float level sensors.