



Certificate of Compliance

Certificate: 70219727

Master Contract: 237484

Project: 80042317

Date Issued: 2020-11-24

Issued To: Automation Products Group Inc
1025 West 1700 North
Logan, Utah, 84321
United States

Attention: Alex Fullmer

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: Konstantin Rybalko
Konstantin Rybalko



PRODUCTS

CLASS - C2258-04 - PROCESS CONTROL EQUIPMENT - Intrinsically Safe, Entity - For Hazardous Locations

CLASS - C2258-84 - PROCESS CONTROL EQUIPMENT - Intrinsically Safe, Entity - For Hazardous Locations - Certified to US Standards

Class I, Division 1, Groups C & D, T4; IP 65*

Class I, Zone 0, AEx ia, IIB, T4, Ga

Ex ia IIB, T4, Ga

MPI Magnetostrictive Level Sensor, rated 8-24 VDC, I_{max} = 280 mA; T_{amb} = -40°C to +85°C, Intrinsically Safe when installed per drawing 9005491

Entity Parameters: U_i = 28V, I_i = 280mA, P_i = 0.850W, L_i = 3.50μH, C_i = 0.374μF

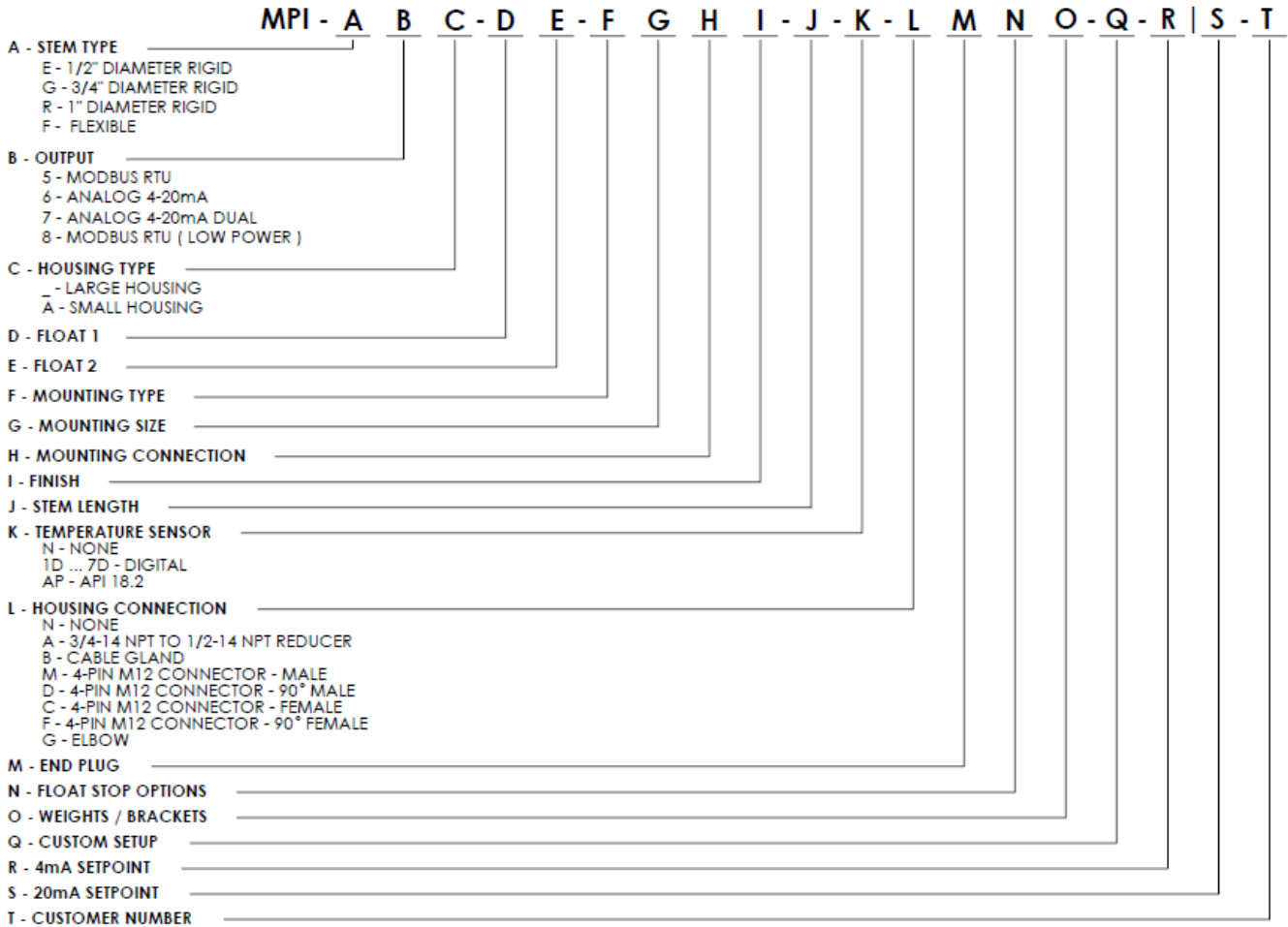
*IP 65 is only for STEM Type E, G, R, F and T.



Certificate: 70219727
Project: 80042317

Master Contract: 237484
Date Issued: 2020-11-24

The MPI series utilizes a configurator style model coding system as defined below:



Conditions of Certification:

- Under certain extreme circumstances, the non-metallic parts incorporated in the enclosure of this equipment may generate an ignition-capable level of electrostatic charge. Therefore, the equipment shall not be installed in a location where the external conditions are conducive to the build-up of electrostatic charge on such surfaces. In addition, the equipment shall only be cleaned with a damp cloth.
- The enclosure is manufactured from Aluminum. In rare cases, ignition sources due to impact and friction sparks could occur. This shall be considered during installation.
- IP 65 is not a part of the hazardous location ratings and is tested separately.



Certificate: 70219727
Project: 80042317

Master Contract: 237484
Date Issued: 2020-11-24

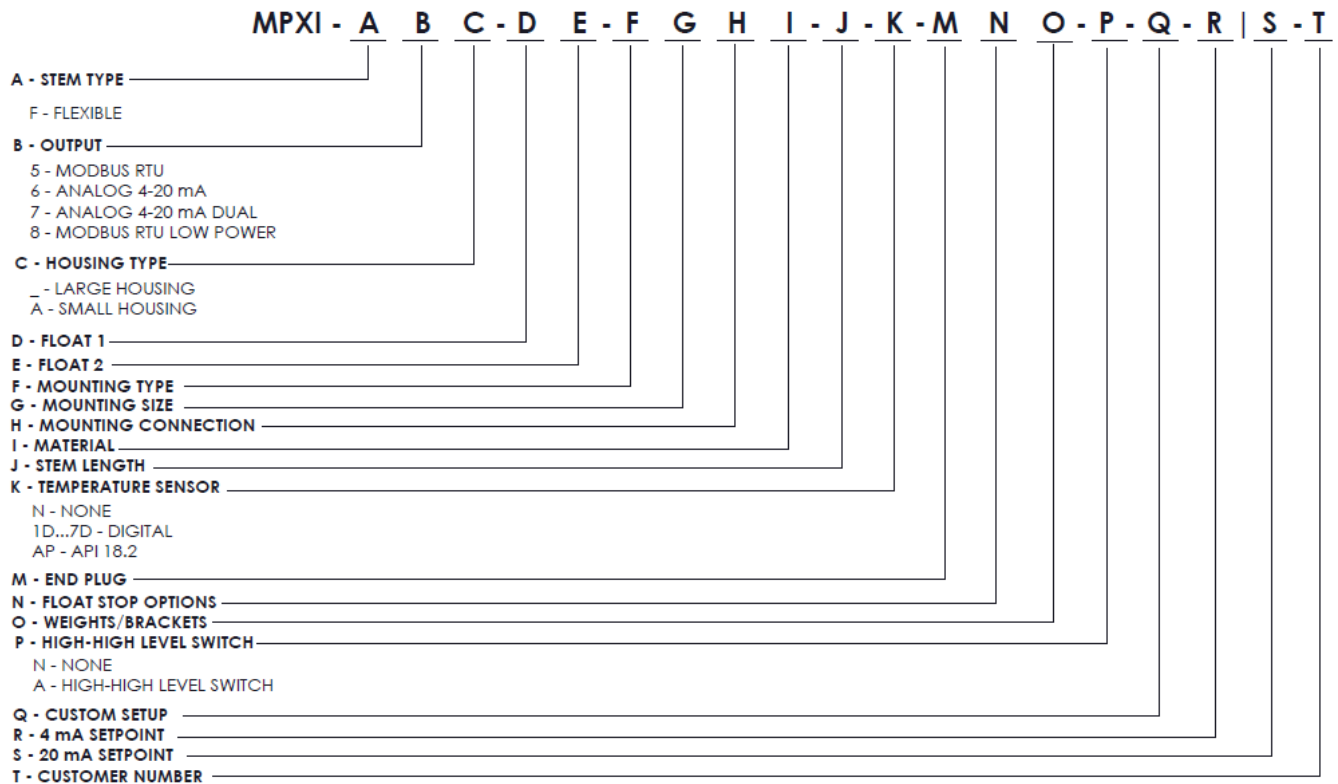
CLASS - C2258-03 - PROCESS CONTROL EQUIPMENT - Intrinsically Safe and Non - Incendive Systems - For Hazardous Locations

CLASS - C2258-83 - PROCESS CONTROL EQUIPMENT-Intrinsically Safe and Non-Incendive - Systems-For Hazardous Locations-Certified to U.S. Standards

Class I, Division 1, Groups C & D, T4; IP 66
Class I, Zone 0/1, AEx ia/db IIB T4 Ga/Gb
Ex ia/db IIB T4 Ga/Gb

MPXI Magnetostrictive Level Sensor, rated 12-24 V dc, 40 mA, Tamb = -40°C to +85°C, Housed in explosion proof enclosure intended to be installed in EPL Gb with Intrinsically Safe probe intended to be installed in EPL Ga.

The MPXI series utilizes a configurator style model coding system as defined below:





Certificate: 70219727
Project: 80042317

Master Contract: 237484
Date Issued: 2020-11-24

Conditions of Certification:

1. Under certain extreme circumstances, the non-metallic parts incorporated in the enclosure of this equipment may generate an ignition-capable level of electrostatic charge. Therefore, the equipment shall not be installed in a location where the external conditions are conducive to the build-up of electrostatic charge on such surfaces. In addition, the equipment shall only be cleaned with a damp cloth.
2. The enclosure is manufactured from Aluminum. In rare cases, ignition sources due to impact and friction sparks could occur. This shall be considered during installation.
3. Unused conduit entries of model MPXI shall be closed with blanking elements maintaining explosion proof properties and ingress protection rating of the enclosure and can be removed only with use of a tool.
4. Wiring used for external connections of model MPXI shall be rated at least 20K higher than the maximum ambient temperature
5. Conduit seal shall be installed within 18” of the enclosure of model MPXI
6. The model MPXI shall be supplied by Class 2 or limited energy source according to C22.2 No 61010-1 and UL 61010-1
7. The model MPXI shall be installed as per drawing 9006113



Certificate: 70219727
Project: 80042317

Master Contract: 237484
Date Issued: 2020-11-24

APPLICABLE REQUIREMENTS

- | | |
|------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| CAN/CSA-C22.2 No. 61010-1-12 | - Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use, Part 1: General Requirements |
| UL Std. No. 61010-1 3 rd Ed. | - Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use - Part 1: General Requirements |
| CAN/CSA-C22.2 No. 60079-0 7 th Ed.: 2019 | - Explosive atmospheres – Part 0: Equipment – General requirements |
| UL 60079-0 7 th Ed.: 2019 | - UL Standard for Safety Explosive atmospheres – Part 0: Equipment – General requirements – Sixth Edition |
| CAN/CSA-C22.2 No. 60079-1 7 th Ed.: 2016 | - Explosive atmospheres — Part 1: Equipment protection by flameproof enclosures “d” |
| UL 60079-1 7 th Ed.: 2015 | - Explosive atmospheres — Part 1: Equipment protection by flameproof enclosures “d” |
| CAN/CSA-C22.2 No. 60079-11 6 th Ed.: 2014 | - Explosive atmospheres – Part 11: Equipment protection by intrinsic safety “i” |
| UL 60079-11: 6 th Ed.: 2013 | - Explosive Atmospheres – Part 11: Equipment protection by intrinsic safety “i” |
| CAN/CSA-C22.2 No. 60079-26 3 rd Ed.: 2016 | - Explosive atmospheres — Part 26: Equipment with Equipment Protection Level (EPL) Ga |
| UL 60079-26: 3 rd Ed.: 2017 | - Explosive atmospheres — Part 26: Equipment with Equipment Protection Level (EPL) Ga |
| CSA-C22.2 No. 30: 2020 | - Explosion-proof equipment |
| UL 1203: 2020 | - Explosion-Proof and Dust-Ignition-Proof Electrical Equipment for Use in Hazardous (Classified) Locations |



Supplement to Certificate of Compliance

Certificate: 70219727

Master Contract: 237484

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
80042317	2020-11-24	Update to CSA report 70219727 for modifications to model MPI with RS485 communication option and addition of 4-20 mA option for existing marking Class I, Division 1, Groups C, D, T4; IP 65 Class I, Zone 0, AEx ia, IIB, T4, Ga Ex ia IIB, T4, Ga Addition of model MPXI with marking Class I, Division 1, Groups C, D, T4; IP 66 Class I, Zone 0/1, AEx ia/db IIB T4 Ga/Gb Ex ia/db IIB T4 Ga/Gb
70219727	2019-03-26	Original certification of Model MPI