



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: IECEx SIR 18.0076X

Issue No: 1

Certificate history:

Status: **Current**

Issue No. 1 (2019-05-03)

Issue No. 0 (2019-03-26)

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Date of Issue: **2019-05-03**

Applicant: **Automation Products Group Inc.**
1025 West 1700 North
Logan, Utah 84321
United States of America

Equipment: **Modbus Network Display, MDI-940d0-fg-hi-j-k-l**

Optional accessory:

Type of Protection: **Intrinsic Safety**

Marking:
Ex ib [ia Ga] IIB 142°C (T3) Gb
Ta = -30°C to +85°C

IP66

*Approved for issue on behalf of the IECEx
Certification Body:*

N Jones

Position:

Certification Manager

*Signature:
(for printed version)*

Date:

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the [Official IECEx Website](#).

Certificate issued by:

SIRA Certification Service
CSA Group
Unit 6, Hawarden Industrial Park
Hawarden, Deeside, CH5 3US
United Kingdom

sira
CERTIFICATION





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Manufacturer: **Automation Products Group Inc.**
1025 West 1700 North
Logan, Utah 84321
United States of America

Additional Manufacturing location(s):

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

STANDARDS:

The apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

IEC 60079-0 : 2011 Explosive atmospheres - Part 0: General requirements
Edition:6.0

IEC 60079-11 : 2011 Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:6.0

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in

Test Report:

[GB/SIR/ExTR19.0094/00](#)

[GB/SIR/ExTR19.0126/00](#)

Quality Assessment Report:

[NL/DEK/QAR13.0027/03](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The Modbus Network Display (MDI) is an Intrinsically Safe Display unit housed within an aluminium pressure die-casting IP66 enclosure having a viewing window, to be used in a Class I Zone 1 Hazardous Location. The MDI is Intrinsically Safe when connected to and approved IS barrier and it provides output power to the separately-approved model MPI Magnetostrictive probe, for use in Class I, Zone 0 Hazardous Location. MODBUS RS485 and switch Inputs from a third-party controller to the MDI must be provided through an approved IS barrier.

Refer to the Annex for additional information.

SPECIFIC CONDITIONS OF USE: YES as shown below:

Refer to the Annex.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

This issue, issue 1, recognises the following change: refer to the certificate annex to view a comprehensive history:

1. Model number revised from “MND-940d0f-g-h-i-j-k-l” to “MDI-940d0-fg-hi-j-k-l”; Marking, Nameplate and Equipment Description revised to include the new Model Code options.
2. Certification Code was corrected from “Ex ib IIB T3 (142°C) Gb” to “Ex ib [Ia Ga] IIB 142°C (T3) Gb” to appropriately comply with clause 29 of 60079-0; Marking and Nameplate revised to include the corrected Certification Code.
3. IP66 rating added to marking; Marking, Nameplate and Equipment Description revised to include IP66.
4. Equipment Description revised to include corrections to product description.
5. Introduction of Specific Condition of Use referencing “The enclosure is manufactured from aluminium.”

Annex:

[IECEX SIR 18.0076X Issue 1 Annexe.pdf](#)