IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION
IEC Certification System for Explosive Atmospheres

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

Certificate No.: **IECEx UL 21.0067X**

Page 1 of 5

Status: **Current**

Issue No: 10

Date of Issue: 2026-03-26

Applicant: **Nexus Controls LLC**
1800 Nelson Rd.
Longmont, CO 80501
United States of America

Equipment: **Mark VIe Programmable Controller System, Models IS220PCNOH1B, IS220PPRFH1B, IS220PDIIH1B, IS220PTCCH1B, IS220PRTDH1B, IS220PDIAH1B, IS220PDOAH1B, IS220PAICH1B, IS220PCLAH1B, ISx2yPDIOH1B, IS220PAOCH1B, IS220PPRAS1B, IS220PPROS1B, IS220PTURH1B, IS220PSVOH1B, ISx2yPSCAH1B, IS42yPVIBH1B, ISx2yYAICS1B, IS220PHRAH1B, IS220YSILS1A, IS220YSILS1B, IS42yYVIBS1B, IS221PDIAH1B, IS221PDOAH1B, IS221PHRAH1B, IS221PRTDH1B, IS42yPDOAH1C, IS42yPDIAH1C, IS42yPDIIH1C, IS42yPDIOH1C, IS42yPAOCH1C, IS42yPAICH1C, IS42yPTCCH1C, IS42yYDOAS1C, IS42yPRTDH1C, IS42yPCNOH1C, IS42yPRFBH1C.**

Optional accessory: See Annex for Accessories

Type of Protection: **Increased Safety"ec", Intrinsic Safety "ic"**

Marking: Ex ec IIC T4 Gc or Ex ec [ic] IIC T4 Gc or

Ex ic ec IIC T4 Gc or Ex ic ec [ic] IIC T4 Gc

-40°C to +70°C:

ISx2yPSCAH1B, IS42yPVIBH1B, ISx2yYAICS1B, IS42yYVIBS1B, IS42yPDOAH1C, IS42yPDIAH1C, IS42yPDIIH1C, IS42yPDIOH1C, IS42yPAOCH1C, IS42yPAICH1C, IS42yPTCCH1C, IS42yYDOAS1C, IS42yPRTDH1C, IS42yPCNOH1C, IS42yPRFBH1C where x = 2 or 4 and y = 0 or 1.

-30°C to +65°C:

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

Position: **Staff Engineer**

Signature: (for printed version)

Date: (for printed version) 2026-03-26

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2. This certificate is not transferable and remains the property of the issuing body.
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Certificate issued by:

UL Solutions (US)
333 Pfingsten Road
Northbrook IL 60062-2096
United States of America

Certificate history:

Issue 9 (2026-03-11)
Issue 8 (2026-02-09)
Issue 7 (2025-12-11)
Issue 6 (2025-11-25)
Issue 5 (2025-06-25)
Issue 4 (2024-12-19)
Issue 3 (2024-10-24)
Issue 2 (2023-03-29)
Issue 1 (2021-09-21)
Issue 0 (2021-07-29)

IECEx Certificate of Conformity

IS220PDIIH1B, IS220PTCCH1B, IS220PRTDH1B, IS220PDIAH1B, IS220PDOAH1B, IS220PAICH1B, IS220PCLAH1B, ISx2yPDIOH1B, IS220PAOCH1B IS220PPRAS1B, IS220PPROS1B, IS220PTURH1B, IS220PSVOH1B, IS220YDOAS1B, IS220PHRAH1B, IS220YSILS1A, IS220YSILS1B, IS221PDIAH1B, IS221PDOAH1B, IS221PHRAH1B, IS221PRTDH1B where x = 2 or 4 and y = 0 or 1.

-20°C to +55°C:

IS220PCNOH1B, IS220PPRFH1B

IECEx Certificate of Conformity

Manufacturer: **Nexus Controls LLC**
1800 Nelson Rd.
Longmont, CO 80501
United States of America

Manufacturing locations:

Jabil Circuit (Guangzhou) Ltd
128 Jun Cheng Road
Guangzhou Economic & Technologist Development
District Guangzhou, 510530
China

Jabil Vietnam Co., Ltd.
Lot I8-1, Saigon Hi-tech park,
Long Thanh My ward,
Thu Duc City,
Ho Chi Minh City 700000
Viet Nam

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 equipment 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 60079-0:2017 Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

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

IEC 60079-7:2017 Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
Edition:5.1

This Certificate **does not** indicate compliance with 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 Reports:

US/UL/ExTR21.0070/00
US/UL/ExTR21.0070/01
US/UL/ExTR21.0070/02
US/UL/ExTR21.0070/03
US/UL/ExTR21.0070/04
US/UL/ExTR21.0070/05
US/UL/ExTR21.0070/06
US/UL/ExTR21.0070/07
US/UL/ExTR21.0070/08
US/UL/ExTR21.0070/09
US/UL/ExTR21.0070/10

Quality Assessment Reports:

US/UL/QAR21.0014/03
US/UL/QAR21.0016/04

IECEx Certificate of Conformity

EQUIPMENT:
Equipment and systems covered by this Certificate are as follows:

The Mark Vle control system is an open type microprocessor based system designed for complete integrated control, protection and monitoring of generator and mechanical drive applications for gas and steam turbines and other industrial control applications. The devices are field mounted in a suitable electrical enclosure adjacent to the turbine. The specific Model Nomenclature is included in the Annex to CoC.

Please see Annex for additional information.

SPECIFIC CONDITIONS OF USE: YES as shown below:

- Transient protection shall be provided that is set at a level not exceeding 140% of the peak rated voltage value at the supply terminals to the equipment.
- This equipment shall be used in an environment of not more than Pollution Degree 2 (as defined in IEC 60664-1).
- The equipment shall be installed in an enclosure that provides a degree of protection not less than IP54 in accordance with IEC 60079-0.
- This equipment shall be powered through a power distribution board that is certified for the applicable classified location.
- This equipment shall be powered by a switched-mode power supply (SMPS) that is certified for the applicable location and has its output current limited to 20 A maximum, and has the features listed for Vendor Manufactured Control Power supplies in GEH-6721_Vol_II, Mark Vie Control, Volume II System Hardware Guide.
- Mark Vle Cat Nos. IS220PTCCH1B, IS42yPTCCH1C, IS220PRTDH1B, IS221PRTDH1B and IS220PCLAH1B, IS42yPRTDH1C must contain the following installation conditions:
  - Only resistive simple apparatus, such as thermocouples or RTD's shall be connected.
  - Each cable used to connect the simple apparatus must have suitable insulation as required by the applicable local electrical codes.

IECEx Certificate of Conformity

DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)
Issue 1: Updates to include missing information.

Issue 2: Addition of new models and accessory boards.

Issue 3: Update to company name, address and associated documents.

Issue 4: Addition of Models IS42yPDOAH1C, IS42yPDIAH1C, IS42yPDIIH1C, and IS42yPDIOH1C with new processor board.

Issue 5: Revision to D-sub style connector for the following accessory boards: ISx0yTBTCH1B, ISx0yTBTCH1C, ISx0ySTTCH2A, ISx0ySTTCH1A, ISx0ySTCIH1A, ISx0ySTCIH2A, ISx0ySTCIS1A, ISx0ySTCIS2A, ISx0ySTCIH8A, ISx0ySDIIH1A, ISx0yTRLYH1F, ISx0yTRLYH2F, ISx0yTRLYS1F, ISx0yTRLYS2F.
RoHS Update to the following accessory boards: ISx00SPIDG1A, ISx0yTRTDH2D, ISx0ySRTDH1A, ISx0ySRTDH2A, ISx00TBCIS2C.

Issue 6: Addition of Models IS42yPAOCH1C, IS42yPAICH1C, IS42yPTCCH1C with new processor board. Addition of terminal boards with 'ic' outputs: IS400TDBTH4A, IS400TDBSH4A, IS400STCIH4A, IS400STCIS4A, IS400TBCIH3C. Addition of terminal board: IS400SDIIH2A. Alternate construction of the following accessory terminal boards: IS400TBAOH1D, IS400TBAIH1C, IS400TBTCH1B, IS400TBTCH1C, IS400STAOH2A, IS400STAIH2A, IS400STTCH2A. RoHS update to the following accessory boards: ISx0yTBAOH1D, ISx0ySTAOH2A.

Issue 7: Addition of models IS40yBPDOH1A and IS40yBPDIH1A.

Issue 8: Addition of Model IS42yYDOAS1C. Addition of accessory terminal boards: ISx0yTRLYS2E, ISx0ySRLYS1A, ISx0yTRLYS1B, ISx0yTRLYS1D, ISx0yTBCIS4C, ISx0yTRLYS1F, ISx0yTRLYS2F, ISx0yTRLYH1B and ISx0yTRLYH1D.

Issue 9: Adds Jabil Vietnam Co., Ltd. as a new manufacturing location.

Issue 10: Addition of Model IS42yPRTDH1C, IS42yPCNOH1C, IS42yPRFBH1C. Addition of accessory terminal board: ISx0yTRTDH1D, ISx0yTRTDH2D, ISx0ySRTDH1A, ISx0ySRTDH2A, ISx0ySPIDG1A.

Annex:

Annex to IECEx UL 21.0067X Issue 10.pdf

IECEx Certificate of Conformity

TYPE DESIGNATION

The Mark Vle Control CANopen® Master Gateway Module, Cat No. IS220PCNOH1B is intended to be used with accessory terminal board Cat. No. ISx00SPIDG1A.

The Mark Vle Control CANopen® Master Gateway Module, Cat No. IS42yPCNOH1C is intended to be used with accessory terminal board Cat. No. ISx0ySPIDG1A.

The Mark Vle Control PROFIBUS® Master Gateway, Cat No. IS220PPRFH1B is intended to be used with accessory terminal board Cat. No. ISx00SPIDG1A.

The Mark Vle Control PROFIBUS® Master Gateway, Cat No. IS42yPRFBH1C is intended to be used with accessory terminal board Cat. No. ISx0ySPIDG1A.

The Mark Vle Control Isolated Discrete Input Module, Cat No. IS220PDIIH1B or IS42yPDIIH1C is intended to be used with accessory terminal board Cat. No. ISx0ySDIIH1A, ISx0ySDIIH2A.

The Mark Vle Control Thermocouple Input Module, Cat No. IS220PTCCH1B or IS42yPTCCH1C is intended to be used with accessory terminal board Cat. Nos. ISx0ySTTCH1A, ISx0ySTTCH2A, ISx0yTBTCH1B, ISx0yTBTCH1C.

The Mark Vle Control Discrete Output Module, Cat. No. IS220PDOAH1B is intended to be used with accessory terminal board Cat. Nos. ISx0yTRLYH2E, ISx0yTRLYH3E, ISx0yTRLYH1F, ISx0yTRLYH2F, ISx0ySRLYH1A or ISx0ySRLYH2A; Cat No. IS221PDOAH1B is intended to be used with accessory terminal board Cat. Nos. ISx01TRLYH2E, ISx01TRLYH3E, ISx01TRLYH1F or ISx01TRLYH2F.

The Mark Vle Control Discrete Output Module, Cat. No. IS220PDOAH1B is intended to be used with accessory terminal board Cat. Nos. ISx0ySRLYH1A or ISx0ySRLYH2A with optional monitoring boards IS40yWROBH1A, IS40yWROGH1A, IS40yWROFH1A and IS40yWROHH1A.

The Mark Vle Control Discrete Output Module, Cat. No. IS42yPDOAH1C is intended to be used with accessory terminal board Cat. Nos. ISx0yTRLYH2E, ISx0yTRLYH3E, ISx0yTRLYH1F, ISx0yTRLYH2F, ISx0yTRLYS1F, ISx0yTRLYS2F, ISx0yTRLYH1B, ISx0yTRLYH1D; ISx0ySRLYH1A, ISx0ySRLYH2A with optional monitoring boards IS40yWROBH1A, IS40yWROGH1A, IS40yWROFH1A and IS40yWROHH1A.

The Mark Vle Control Discrete Output Module, Cat. No. IS42yYDOAS1C is intended to be used with accessory terminal board Cat. Nos. ISx0yTRLYS2E, ISx0ySRLYS1A, ISx0yTRLYS1B, ISx0yTRLYS1D, ISx0yTRLYS1F, ISx0yTRLYS2F.

The Mark Vle Control Analog I/O Module, Cat. No. IS220PAICH1B or IS42yPAICH1C is intended to be used with accessory terminal board Cat. Nos. ISx0ySTAIH1A, ISx0ySTAIH2A, ISx0yTBAIH1C , where x = 2 or 4 and y = 0 or 1. With RoHS compliant boards, the Model IS220PAICH1B or IS42yPAICH1C is constructed with IS400BPAIH1A or IS400BPAIH2A and IS400STAIH1A, IS400STAIH2A, IS400TBAIH1C.

Mark VIeS Safety Analog I/O pack ISx2yYAICS1B with accessory terminal board ISx0ySTAIS1A, ISx0ySTAIS2A, or ISx0yTBAIS1C, where x = 2 or 4 and y = 0 or 1. With RoHS compliant boards, the Model IS220YAICS1B is constructed with internal acquisition board IS400BPAIS1A or IS400BPAIS2A and accessory terminal board IS400TBAIS1C, IS400STAIS2A, IS400STAIS1A.

The Mark VIe Control Discrete Input Module, Cat. No. IS220PDIAH1B or IS42yPDIAH1C is intended to be used with accessory terminal board Cat. Nos. ISx0ySTCIH1A, ISx0ySTCIH2A, ISx0ySTCIH8A, ISx0yTBCIH2C, ISx0yTBCIH4C, ISx0yTBCIS4C, IS400STCIH4A, IS400STCIS4A, IS400TBCIH3C.

Cat No. IS221PDIAH1B or IS42yPDIAH1C is intended to be used with accessory terminal board Cat. Nos. ISx01STCIH1A, ISx01STCIH2A, ISx01STCIH8A, ISx0yTBCIH2C or ISx01TBCIH4C, ISx0yTBCIS4C, IS400STCIH4A, IS400STCIS4A, IS400TBCIH3C where x - 2 or 4 & y – o or 1.

The Mark VIe Control Resistance Temperature Device (RTD) Input Modules, Cat No. IS220PRTDH1B is intended to be used with accessory terminal board Cat. Nos. ISx00TRTDH2D, ISx00SRTDH1A, ISx00SRTDH2A and Cat No. IS221PRTDH1B is intended to be used with accessory terminal board Cat. Nos. ISx01TRTDH2D, ISx01SRTDH1A, ISx01SRTDH2A.

The Mark VIe Control Resistance Temperature Device (RTD) Input Modules, Cat No. IS42yPRTDH1C is intended to be used with accessory terminal board Cat. Nos. ISx0yTRTDH1D, ISx0yTRTDH2D, ISx0ySRTDH1A, ISx0ySRTDH2A.

The Mark VIe Control Core Analog Module, Cat. No. IS220PCLAH1B is intended to be used with accessory terminal board Cat. Nos. IS210SCLSH1A, IS200SCLTH1A.

The Mark VIe Control Discrete I/O Module, Cat. No. ISx2yPDIOH1B or IS42yPDIOH1C is intended to be used with accessory terminal board Cat. Nos. ISx0yTDBSH2A, ISx0yTDBSH8A, ISx0yTDBTH2A, ISx0yTDBTH8A, IS400TDBTH4A, IS400TDBSH4A.

The Mark VIe Control Analog Output Module, Cat. No. IS220PAOCH1B is intended to be used with accessory terminal board Cat. Nos. IS200STAOH1A, IS200STAOH2A, IS200TBAOH1C

The Mark VIe Control Analog Output Module, Cat. No. IS42yPAOCH1C is intended to be used with accessory terminal board Cat. Nos. IS200STAOH1A, ISx0ySTAOH2A, IS400TBAOH1D

The Mark VIes Control PPRA Emergency Turbine Protection Module Cat. No. IS220PPRAS1B is intended to be used with accessory terminal board Cat. Nos. IS200TREAS1A and IS200WREAS1A.

The Mark VIe Backup turbine protection I/O Module, Cat. No. IS220PPROS1B is intended to be used with accessory terminal board Cat. Nos. IS200SPROH1A, IS200SPROH2A, IS200TPROH1C, IS200TPROH2C, IS200TPROS1C, IS200TPROS2C, IS200TREAH1A, IS200TREAH3A.

The Mark VIe Turbine Specific Primary Trip I/O Module IS220PTURH1B is intended to be used with accessory terminal board Cat. No. IS200TRPAH1A.

The Mark VIe Servo Control Module, Cat. No. IS220PSVOH1B is intended to be used with accessory servo driver board Cat. No. IS210WSVOH1A and accessory terminal board Cat. No. IS200TSVCH2A; with RoHS compliant boards, the model IS220PSVOH1B constructed with internal acquisition board IS400BSVOH1A, intended to be used with accessory terminal board Cat. Nos. IS200TSVCH2A and RoHS compliant board IS210WSVOH1A.

The Mark VIe PSCA Serial Communications Modules, Cat. No. ISx2yPSCAH1B is intended to be used with accessory terminal boards ISx0ySSCAH1A or ISx0ySSCAH2A.

The Mark VIe HART enabled I/O Module IS220PHRAH1B is intended to be used with accessory terminal boards ISx0ySHRAH1A or ISx0ySHRAH2A and Module IS221PHRAH1B is intended to be used with accessory terminal boards ISx01SHRAH1A or ISx01SHRAH2A.

The Mark VIeS Core Safety Protection Modules IS220YSILS1A or IS220YSILS1B are intended to be used with accessory boards IS200TCSAS1A, ISx0yWCSAS1A, ISx0ySCSAS1A and IS40ySSUPS1A.

The Mark VIe Control Vibration Monitor Module, Cat. No. IS42yPVIBH1B, consisting of IS40yBBAAH1A I/O Board and IS40yBPPCH1A CPU Board, is intended to be used with accessory terminal board Cat. No. IS40yTVBAH2B, or IS20yTVBAH2A and negative power supply daughter board accessory Cat. No. ISx0yWNPSH1A.

The Mark VIeS Control Vibration Monitor Module, Cat. No. IS42yYVIBS1B, consisting of IS40yBBAAS1A I/O Board and IS40yBPPCS1A CPU Board, is intended to be used with accessory terminal board Cat. No. IS40yTVBAS2B, or IS20yTVBAS2A and negative power supply daughter board accessory Cat. No. IS2xyWNPSS1A where x = 2 or 4 and y = 0 or 1.

Protection Methods:

Cat. Nos.	Protection Method Employed
IS220PCNOH1B, IS220PPRFH1B, IS220PDIIH1B, IS220PPRAS1B, IS220PPROS1B, IS220PTURH1B, ISx2yPSCAH1B, IS220PHRAH1B, IS221PHRAH1B, IS42yPVIBH1B, IS42yYVIBS1B, IS42yPDIIH1C, IS42yPCNOH1C, IS42yPRFBH1C where x = 2 or 4 and y = 0 or 1.	Ex ec IIC T4 Gc
IS220PTCCH1B, IS42yPTCCH1C, IS220PRTDH1B, IS221PRTDH1B, IS220PDIAH1B, IS221PDIAH1B, IS42yPDIAH1C, IS42yPRTDH1C where x = 2 or 4 and y = 0 or 1.	Ex ec [ic] IIC T4 Gc
IS220PDOAH1B, IS221PDOAH1B, IS220PSVOH1B, IS220YSILS1A, IS220YSILS1B, IS42yPDOAH1C, IS42YDOAS1C where x = 2 or 4 and y = 0 or 1.	Ex ic ec IIC T4 Gc
IS220PAICH1B, IS42yPAICH1C, ISx2yYAICS1B, IS220PCLAH1B, ISx2yPDIOH1B, IS220PAOCH1B, IS42yPAOCH1C, IS42yPDIOH1C where x = 2 or 4 and y = 0 or 1.	Ex ic ec [ic] IIC T4 Gc

Accessory Board Cat Nos.
ISx00SPIDG1A , ISx0ySDIIH1A, ISx0ySTTCH1A, ISx0ySTTCH2A, ISx0yTBTCH1B, ISx0yTBTCH1C, ISx0yTRLYH2E, ISx0yTRLYH3E ISx0yTRLYH1F, ISx0yTRLYH2F, ISx0ySTAIH1A, ISx0ySTAIH2A, ISx0yTBAIH1C, ISx0ySTCIH8A , ISx0yTBCIH4C, ISx00TRTDH2D, ISx00SRTDH1A, ISx00SRTDH2A, IS210SCLSH1A, IS200SCLTH1A, ISx0yTDBSH8A, ISx0yTDBTH8A, IS200STAOH1A, ISx00STAOH2A, IS200TBAOH1C, IS400TBAOH1D, ISx0ySTCIH1A, ISx0ySTCIH2A, ISx0yTBCIH2C, ISx0yTDBSH2A, ISx0yTDBTH2A, IS200TREAS1A, IS200WREAS1A IS200SPROH1A, IS200SPROH2A, IS200TPROH1C, IS200TPROH2C, IS200TPROS1C, IS200TPROS2C, IS200TREAH1A, IS200TREAH3A. IS200TRPAH1A. IS210WSVOH1A, IS200TSVCH2A. ISx0ySSCAH1A, ISx0ySSCAH2A, ISx0yTRLYS1F, ISx0yTRLYS2F, ISx0ySTAIS1A, ISx0ySTAIS2A, ISx0yTBAIS1C, ISx0ySTCIS1A, ISx0ySTCIS2A, ISx00TBCIS2C, ISx0ySHRAH1A, ISx0ySHRAH2A, IS200TCSAS1A, ISx0yWCSAS1A, ISx0ySCSAS1A, IS40ySSUPS1A, IS201STCIH1A, IS201STCIH2A, IS201STCIH8A, ISx0yTBCIH2C, IS201TBCIH4C, ISx01TRLYH2E, ISx01TRLYH3E, ISx01TRLYH1F, ISx01TRLYH2F, IS201SHRAH1A,

IS201SHRAH2A, ISx01TRTDH2D, ISx01SRTDH1A, ISx01SRTDH2A, ISx0ySRLYH1A, ISx0ySRLYH2A, IS40yWROBH1A, IS40yWROGH1A, IS40yWROFH1A, IS40yWROHH1A, IS40yTVBAH2B, IS20yTVBAH2A, ISx0yWNPSH1A, IS40yTVBAS2B, ISx0yTVBAS2A, Isx0yWNPSS1A, IS400TDBTH4A, IS400TDBSH4A, IS400STCIH4A, IS400STCIS4A, IS400TBCIH3C, IS400SDIIH2A, ISx0yTRLYS2E, ISx0ySRLYS1A, ISx0yTBCIS4C, ISx0yTRLYH1B, ISx0yTRLYS1B, ISx0yTRLYH1D, ISx0yTRLYS1D, ISx0yTRTDH1D where x = 2 or 4 and y = 0 or 1.

Nomenclature:

IS 2	2	0	PAIC	H	1	B	A
	I	II	III	IV	V	VI	VII	VIII

I - 2 – not RoHS compliant
4 – RoHS compliant

II – 0 – single circuit board assembly
1 – single circuit board assembly + mechanical assembly
2 – one or more circuit board assemblies + housing

III – 0 – not conformal coated
1 – conformal coated (not required for safety)

Note – coated or non-coated versions of the circuit board assemblies have identical constructions and schematic drawings

IV – Function mnemonic – Any four A-Z characters

V - H – Surface mount components
G – No surface mount components
S – SIL-certified (IEC 61508)

VI – BOM variant – Any number 1-9

VII – Major revision – Single letter

VIII – Minor revision – One or two letters

PARAMETERS RELATING TO THE SAFETY

Ratings:

I/O pack System Cat. No IS220PCNOH1B with Cat. No. ISx00SPIDG1A. Input Supply: 28.6 Vdc, 0.17 A max

I/O pack System Cat. No IS220PPRFH1B with Cat. No. ISx00SPIDG1A. Input Supply: 28.6 Vdc, 0.18 A max

I/O pack System Cat. No IS220PDIIH1B or IS42yPDIIH1C with Cat. No. ISx0ySDIIH1A, ISx0ySDIIH2A. Input Supply: 28.6 Vdc, 0.15 A max

Contact Input: 0 to 32 Vdc, 5.5mA

I/O pack System Cat. No IS42yPCNOH1C with Cat. No. ISx0ySPIDG1A

Input: 28 Vdc, 0.17 A max

I/O pack System Cat. No IS42yPRFBH1C with Cat. No. ISx00SPIDG1A

Input: 28 Vdc, 0.18 A max

I/O pack System Cat. No. IS220PTCCH1B or IS42yPTCCH1C with Cat. Nos. ISx0ySTTCH1A, ISx0ySTTCH2A, ISx0yTBTCH1B, ISx0yTBTCH1C:

Input: 28 Vdc, 0.16 A max

Thermocouple: -8 to +45 mV dc

I/O pack System Cat Nos. IS220PDOAH1B with Cat. Nos. ISx0yTRLYH2E, ISx0yTRLYH3E, ISx0yTRLYH1F, ISx0yTRLYH2F, ISx0ySRLYH1A, ISx0ySRLYH2A; Cat. No. IS221PDOAH1B with Cat. Nos. ISx01TRLYH2E, ISx01TRLYH3E, ISx01TRLYH1F or ISx01TRLYH2F; IS42yPDOAH1C with Cat. Nos. ISx0yTRLYH2E, ISx0yTRLYH3E, ISx0yTRLYH1F, ISx0yTRLYH2F, ISx0yTRLYS1F, ISx0yTRLYS2F, ISx0yTRLYH1B, ISx0yTRLYH1D, ISx0ySRLYH1A, ISx0ySRLYH2A; IS42yYDOAS1C with Cat. Nos. ISx0yTRLYS2E, ISx0ySRLYS1A, ISx0yTRLYS1B, ISx0yTRLYS1D, ISx0yTRLYS1F, ISx0yTRLYS2F:

Input: 24-28 Vdc, 0.71 A max

Contact Out (TRLYH1F, 2F, S1F, S2F, SRLY): 30 V dc, 5 A dc

Contact Out (TRLYH2E, S2E): 28 V dc, 7 A dc

Contact Out (TRLYH3E): 140 V dc, 2 A dc

I/O Pack system Cat. No. IS220PDOAH1B or IS42yPDOAH1C with cat. Nos. ISx0ySRLYH1A and ISx0ySRLYH2A with optional monitoring boards.

IS40yWROBH1A, IS40yWROGH1A, IS40yWROFH1A, IS40yWROHH1A.

IS40yWROBH1A, IS40yWROGH1A, IS40yWROFH1A:

Supply Ratings (Wetting Power): 24/125Vdc/120/240Vac, 13.5A max.

(monitors 6 relays fused 3.15A)

Supply Rating (Wetting Power (WROB) - JG1): 24/125Vdc/120/240Vac, 5A max.

IS40yWROHH1A

Supply Ratings (Wetting Power J1): 24/48Vdc, 18 A max.

(monitors 12 relays fused 3.15A)

I/O pack System Cat. No. IS220PAICH1B or IS42yPAICH1C with Cat. Nos. ISx0ySTAIH1A, ISx0ySTAIH2A, ISx0yTBAIH1C; may be used with IS400BPAIH1A or IS400BPAIH2A:

Input: 24-28 Vdc, 0.49 A max
Analog In (1-8): -10 to +10 V dc, 0 to 20 mA dc
Analog In (9-10): -5 to +5 V dc, -1 to 20 mA dc
Analog Out: 0 to 16.3 V dc, 0 to 20 mA dc
Analog Transmitter Power: 24 V dc, 21 mA dc

I/O pack System Cat. Nos. IS220PDIAH1B or IS42yPDIAH1C with Cat. Nos. ISx0ySTCIH1A, ISx0ySTCIH2A, ISx0ySTCIH8A, ISx0yTBCIH2C, ISx0yTBCIH4C, ISx0yTBCIS4C, IS400STCIH4A, IS400STCIS4A, IS400TBCIH3C; and Cat. No. IS221PDIAH1B or IS42yPDIAH1C with Cat. Nos. ISx01STCIH1A, ISx01STCIH2A, ISx01STCIH8A, ISx0yTBCIH2C or ISx01TBCIH4C, ISx0yTBCIS4C, IS400STCIH4A, IS400STCIS4A, IS400TBCIH3C:

Input: 24-28 Vdc, 0.24 A max
Contact In: 0 to 32 V dc
STCIH1A, 2A, TBCIH2C:
Contact Wetting Out: 32 V dc, 110 mA dc
STCIH8A, TBCIH4C, TBCIS4C:
Contact Wetting Out (1-21): 31 V dc, 10 mA dc
Contact Wetting Out (22-24): 31 V dc, 41 mA dc
STCIH4A, STCIS4C:
Contact Input (1-21): 55 V dc
Contact Input (22-24): 55 V dc
TBCIH3C:
Contact Input (1-21): 55 V dc
Contact Input (22-24): 55 V dc

I/O pack System Cat. Nos. IS220PRTDH1B with Cat. Nos. ISx00TRTDH2D, ISx00SRTDH1A, ISx0SRTDH2A, and Cat. No. IS221PRTDH1B with Cat. Nos. ISx01TRTDH2D, ISx01SRTDH1A or ISx01SRTDH2A:

Input: 28 Vdc, 0.24 A max
RTD: 0 to 4.2 V dc, 10 mA dc

I/O pack System Cat. Nos. IS42yPRTDH1C with Cat. Nos. ISx0yTRTDH1D, ISx0yTRTDH2D, ISx0ySRTDH1A, ISx0ySRTDH2A:

Input: 28 Vdc, 0.24 A max
RTD: 0 to 4.2 V dc, 10 mA dc

I/O pack System Cat. No. IS220PCLAH1B with Cat. Nos. IS210SCLSH1A, IS200SCLTH1A:

Input: 28 Vdc, 0.78 A max
Analog In: -10 to +10 V dc, 0 to 20 mA dc
Thermocouple: -16 to +63 mV dc
RTD: 0 to 0.7 V dc, 1 mA dc
Analog Out: 0 to 16.3 V dc, 0 to 20 mA dc

Analog Transmitter Power: 24 V dc, 21 mA dc

I/O pack System Cat. No. ISx2yPDIOH1B or IS42yPDIOH1C with Cat. Nos. ISx0yTDBSH2A, ISx0yTDBSH8A, ISx0yTDBTH2A, ISx0yTDBTH8A, IS400TDBTH4A, IS400TDBSH4A:

Input: 28 Vdc, 0.81 A max
Contact In: 0 to 32 V dc
Contact Out: 32 V dc, 3.15 A dc

ISx0yTDBSH2A, ISx0yTDBTH2A:

Contact Wetting Out: 32 V dc, 110 mA dc
ISx0yTDBSH8A, ISx0yTDBTH8A:
Contact Wetting Out (1-21): 31 V dc, 10 mA dc
Contact Wetting Out (22-24): 31 V dc, 41 mA dc
ISx0yTDBSH4A, ISx0yTDBTH4A:
Contact Input (1-21): 55 V dc
Contact Input (22-24): 55 V dc

I/O pack System Cat. No. IS220PAOCH1B with Cat. Nos. IS200STAOH1A, IS200STAOH2A, IS200TBAOH1C and Cat No. IS42yPAOCH1C with Cat Nos. IS200STAOH1A, ISx0ySTAOH2A, IS400TBAOH1D:

Input: 28 Vdc, 0.45 A max
Analog Out: 0 to 18 V dc, 0 to 20 mA dc

I/O pack System Cat. No. IS220PPRAS1B with Cat. Nos. IS200TREAS1A, IS200WREAS1A:

Input: 28 Vdc, 0.5 A max
Speed In: -50 to 50 V dc
Voltage In: 16 to 140 V dc
E-Stop In: 18 to 140 V dc
Contact In: 0 to 32 V dc
Contact Out: (1-2): 28 V dc, 7 A dc
Contact Out: 28 V dc, 5 A dc
Contact Wetting Out: 32 V dc, 13.2 mA dc

I/O pack System Cat. No. IS220PROS1B with Cat. Nos. IS200SPROH1A, IS200SPROH2A, IS200TPROH1C, IS200TPROH2C, IS200TPROS1C, IS200TPROS2C, IS200TREAH1A, IS200TREAH3A:

Power Supply: 28 V dc, 0.37 A dc
PT In (SPRO/TPRO): 0 to 138 V ac, 5 to 66 Hz
Speed In (SPRO/TPRO): -15 to +15 V dc
Speed Sensor Power Out (TPRO): 24 V dc, 25 mA dc
Voltage In (TREA): 16 to 140 V dc
E-stop In (TREA): 18 to 140 V dc
Contact Out (TREA): 28 V dc, 7 A dc

I/O pack System Cat. No. IS220PTURH1B with Cat. No. IS200TRPAH1A:

Power Supply: 28 V dc, 0.41 A dc
Speed In: -15 to +15 V dc
Voltage In: 16 to 140 V dc
E-stop In: 18 to 140 V dc
E-stop Power Out: 24 V dc O.C., 24 mA dc S.C.
Contact Out: 28 V dc, 7 A dc

I/O pack System Cat. No. IS220PSVOH1B with Cat. Nos. IS200TSVCH2A, IS210WSVOH1A; IS220PSVOH1B with Cat. Nos. IS400BSVOH1A, IS200TSVCH2A, IS410WSVOH1A:

Power Supply: 28 V dc, 1 A dc
LVDT In: 7.14 V ac, 3.2 KHz
Speed In: -15 to +15 V dc
LVDT Out: 7.14 V ac, 127 mA ac, 3.2 KHz
Servo Out: -10 to +10 V dc, -120 to +120 mA dc
Speed Sensor Power Out: 24 V dc, 40 mA dc

I/O pack System Cat. Nos. ISx2yPSCAH1B with Cat. Nos. ISx0ySSCAH1A, ISx0ySSCAH2A:

Power Supply: 24-28 V dc, 0.36 A dc

I/O pack System Cat. No. ISx2yYAICS1B, with Cat. Nos. ISx0ySTAIS1A, ISx0ySTAIS2A, ISx0yTBAIS1C; and may be used with IS400BPAIS1A or IS400BPAIS2A:

Input: 24-28 Vdc, 0.49 A max
Analog In (1-8): -10 to +10 V dc, 0 to 20 mA dc
Analog In (9-10): -5 to +5 V dc, -1 to 20 mA dc
Analog Out: 0 to 16.3 V dc, 0 to 20 mA dc
Analog Transmitter Power: 24 V dc, 21 mA dc

I/O pack System Cat. No IS220PHRAH1B with Cat. Nos. ISx0ySHRAH1A, ISx0ySHRAH2A and Cat. No. IS221PHRAH1B with Cat. Nos. ISx0ySHRAH1A or ISx0ySHRAH2A:

Power Supply: 28 V dc, 0.5 A dc
Analog In (1-8): -5 to +5 V dc, 0 to 20 mA dc
Analog In (9-10): -5 to +5 V dc, -1 to 20 mA dc
Analog Out: 0 to 16.3 V dc, 0 to 20 mA dc
Analog Transmitter Power: 24 V dc, 21 mA dc

I/O pack System Cat. No IS22yPHRAH1B; and may be used with Cat. Nos. IS400BHRAH1A or IS400BHRAH2A:

Power Supply: 28 V dc, 0.5 A dc
Analog In (1-8): -5 to +5 V dc, 0 to 20 mA dc
Analog In (9-10): -5 to +5 V dc, -1 to 20 mA dc
Analog Out: 0 to 16.3 V dc, 0 to 20 mA dc
Analog Transmitter Power: 24 V dc, 21 mA

I/O pack System Cat. No IS220YSILS1A or IS220YSILS1B with IS200TCSAS1A, ISx0yWCSAS1A, ISx0ySCSAS1A, and IS40ySSUPS1A:

Power Supply (YSIL): 28 V dc, 1 A dc
Power Supply (SCSA): 28 V dc, 0.75 A dc
E-Stop In (TCSA): 32 V dc
E-Stop Wetting Power Out (TCSA): 24 V dc, 100 mA dc
Solenoid Out (TCSA): 30 V dc, 2 A dc, pilot duty (SSUPS1A inputs)
Contact Out (TCSA): 30 V dc, 5 A dc
PT In (TCSA): 138 V ac, 5 to 66 Hz
Contact In (TCSA): 32 V dc
Contact Wetting Power Out (TCSA): 32 V dc, 3 mA dc
Speed In (TCSA): +/- 15 V pk, 2 to 20,000 Hz
RSFD/Analog In (WCSA): 0 to 20 mA dc

RSFD/ Analog Transducer Power Out (WCSA): 24 V dc, 21 mA dc
Speed Repeater Out (WCSA): +/- 5 V pk, 250 mA dc
Contact In (SCSA): 32 V dc
Contact Wetting Power Out (SCSA): 32 V dc, 3 mA dc
Contact Out (SCSA): 30 V dc, 5 A dc
Analog In (SCSA): 0 to 20 mA dc
Analog Transducer Power Out (SCSA): 24 V dc, 21 mA dc
Thermocouple In (SCSA): -8 to 45 mV dc

I/O pack System Cat. No. IS42yPVIBH1B with IS40yTVBAH2B, or IS20yTVBAH2A and ISx0yWNPSH1A; I/O pack System Cat. No. IS42yYVIBSIB with IS40yTVBAS2B, or IS20yTVBAS2A and ISx0yWNPSS1A:

Power Supply: 24-28 V dc, 0.98 A dc
Vibration In: -20 to 15.6 V dc
Position In: -20 to -0.5 V dc
Buffered Out: -20 to 4.5 V dc, -3 mA dc
Probe Power: -24 V dc, 12 mA dc

Intrinsically Safe Field Wiring Parameters for I/O pack System Cat. Nos. IS220PTCCH1B with IS200STTCH1A, IS200STTCH2A, IS200TBTCH1B, IS200TBTCH1C; and IS220YTCCS1A with IS200STTCS1A, IS200STTCS2A, IS200TBTCS1B, IS200TBTCS1C; and IS42yPTCCH1C with ISx0ySTTCH1A, ISx0ySTTCH2A, ISx0yTBTCH1B, ISx0yTBTCH1C:

Uo = 0.5 V dc
Io = 25 nA
Po = 13 nW
Co = 1000 µF
Lo = 100 mH

Intrinsically Safe Field Wiring Parameters for I/O pack System Cat. Nos. IS220PAICH1B or IS42yPAICH1C with IS200STAIH1A, IS200STAIH2A, IS200TBAIH1C; IS220PAICH1B or IS42yPAICH1C with IS400BPAIH1A or IS400BPAIH2A, and IS400STAIH1A, IS400STAIH2A, IS400TBAIH1C; IS220YAICS1B with IS200STAIS1A, IS200STAIS2A, IS200TBAIS1C; IS220YAICS1B with IS400BPAIS1A or IS400BPAIS2A and IS400STAIS1A, IS400STAIS2A, IS400TBAIS1C and IS221YAICS1B with IS201STAIS1A, IS201STAIS2A, IS201TBAIS1C:

Uo = 28.6 V dc
Io = 22.4 mA
Po = 0.641 W
Co = 0.255 µF
Lo = 100 mH

Intrinsically Safe Parameters for I/O pack System Cat. Nos. IS220PDOAH1B with IS200TRLYH2E, IS200TRLYH3E, IS200TRLYH1F, IS200TRLYH2F, IS200SRLYH1A, IS200SRLYH2A; IS220PDOAH1B with IS40yBPDOH1A, IS200TRLYH2E, IS200TRLYH3E, IS200TRLYH1F, IS200TRLYH2F, IS400SRLYH1A, IS400SRLYH2A; IS221PDOAH1B with IS201TRLYH1F, IS201TRLYH2F; IS220YSILS1A or IS220YSILS1B with IS200TCSAS1A, ISx0yWCSAS1A, ISx0ySCSAS1A; IS42yPDOAH1C with ISx0yTRLYH2E, ISx0yTRLYH3E, ISx0yTRLYH1F, ISx0yTRLYH2F, ISx0yTRLYS1F, ISx0yTRLYS2F, ISx0yTRLYH1B, ISx0yTRLYH1D, ISx0ySRLYH1A, ISx0ySRLYH2A; IS42yYDOAS1C with Cat. Nos. ISx0yTRLYS2E, ISx0ySRLYS1A, ISx0yTRLYS1B, ISx0yTRLYS1D, ISx0yTRLYS1F, ISx0yTRLYS2F:

Cat. Nos. ISx0yTCSAS1A, ISx0ySCSAS1A, ISx0yTRLYz1F, ISx0yTRLYz2F, ISx0ySRLY

Ui = 30.0 V dc
Ii = 152 mA
Pi = 4.56 W
Ci = 0 µF
Li = 0 mH

Cat. Nos. ISx0yTRLYz1D, ISx0yTRLYz1B

Ui = 24.0 V dc
Ii = 261 mA
Pi = 6.26 W
Ci = 0 µF
Li = 0 mH

Intrinsically Safe Field Wiring Parameters for I/O pack System Cat. Nos. IS220PRTDH1B, with ISx00TRTDH2D, ISx00SRTDH1A, ISx00SRTDH2A, and IS221PRTDH1B with ISx01TRTDH2D, ISx01SRTDH1A or ISx01SRTDH2A:

Uo = 15 V dc
Io = 10 mA
Po = 150 mW
Co = 3 µF
Lo = 100 mH

Intrinsically Safe Field Wiring Parameters for I/O pack System Cat. Nos. IS42yPRTDH1C, with ISx0yTRTDH1D, ISx0yTRTDH2D, ISx0ySRTDH1A, ISx0ySRTDH2A:

Uo = 15 V dc
Io = 10 mA
Po = 150 mW
Co = 3 µF
Lo = 100 mH

Intrinsically Safe Field Wiring Parameters for I/O pack System Cat. Nos. IS220PDIAH1B or IS42yPDIAH1C with IS200STCIH1A, IS200STCIH2A, IS200STCIH8A, ISx0yTBCIH2C, IS200TBCIH4C, ISx0yTBCIS4C, IS400STCIH4A, IS400STCIS4A, IS400TBCIH3C; IS220PDIAH1B or IS42yPDIAH1C with Cat. Nos. IS40yBPDIH1A, IS400STCIH1A, IS400STCIH2A, IS400STCIH8A, ISx0yTBCIH2C, IS400TBCIH4C, ISx0yTBCIS4C, IS400STCIH4A, IS400STCIS4A, IS400TBCIH3C; IS221PDIAH1B or IS42yPDIAH1C with ISx0ySTCIH1A, ISx0ySTCIH2A, ISx0ySTCIH8A, ISx0yTBCIH2C or ISx0yTBCIH4C, ISx0yTBCIS4C, IS400STCIH4A, IS400STCIS4A, IS400TBCIH3C:

Cat. Nos. ISx0ySTCIH8A, ISx0yTBCIH4C, ISx0yTBCIS4C

Circuits 1-21:	Circuits 22-24:
Uo = 31.0 V dc	Uo = 31.0 V dc
Io = 3.2 mA	Io = 13 mA
Co = 0.18 µF	Co = 0.18 µF
Lo = 100 mH	Lo = 100 mH
Po = 0.10 W	Po = 0.40 W

Cat. Nos. Isx0ySTCIH1A, Isx0ySTCIH2A, ISx0yTBCIH2C, ISx0ySTCIS1A, ISx0ySTCIS2A, or ISx0yTBCIS2C:

Circuits 1-21:	Circuits 22-24:
Uo = 32.0 V dc	Uo = 32.0 V dc
Io = 3.3 mA	Io = 13.4 mA
Co = 0.18 µF	Co = 0.18 µF
Lo = 100 mH	Lo = 100 mH
Po = 0.11 W	Po = 0.43 W

Cat. Nos. ISx0ySTCIH4A, ISx0ySTCIS4A,:

Circuits 1-21:	Circuits 22-24:
Uo = 55.0 V dc	Uo = 55.0 V dc
Io = 3.0 mA	Io = 12.5 mA
Co = 0.04 µF	Co = 0.04 µF
Lo = 100 mH	Lo = 100 mH
Po = 0.165 W	Po = 0.687 W

Cat. Nos. IS400TBCIH3C:

Circuits 1-21:	Circuits 22-24:
Uo = 55.0 V dc	Uo = 55.0 V dc
Io = 3.3 mA	Io = 11.5 mA
Co = 0.04 µF	Co = 0.04 µF
Lo = 100 mH	Lo = 100 mH
Po = 0.181 W	Po = 0.632 W

Intrinsically Safe Field Wiring Parameters for I/O pack System Cat. No. IS220PCLAH1B with Cat. Nos. IS210SCLSH1A, IS200SCLTH1A:

Thermocouple Inputs:

Uo = 0.5 V dc
Io = 25 nA
Po = 13 nW
Co = 1000 µF
Lo = 100 mH

RTD Inputs:

Uo = 15 V dc
Io = 1.0 mA
Po = 15 mW
Co = 3 µF
Lo = 100 mH

Analog Outputs:

Uo = 28.6 V dc
Io = 22.4 mA
Po = 0.64 W
Co = 0.26 µF
Lo = 90 mH

Intrinsically Safe Field Wiring Parameters for I/O pack System Cat. No. ISx2yPDIOH1B or IS42yPDIOH1C with Cat. Nos. ISx0yTDBSH2A, ISx0yTDBSH8A, ISx0yTDBTH2A, ISx0yTDBTH8A, IS400TDBTH4A, IS400TDBSH4A:

Relay Contacts

Ui = 30 V dc
Ii = 152 mA
Pi = 4.56 W
Ci = 0 µF
Li = 0 mH

Contact Wetting Outputs:

Cat. Nos. ISx0yTDBSH8A and ISx0yTDBTH8A

Circuits 1-21:	Circuits 22-24:
Uo = 31.0 V dc	Uo = 31.0 V dc
Io = 3.2 mA	Io = 13 mA
Po = 0.10 W	Po = 0.40 W
Co = 0.18 µF	Co = 0.18 µF
Lo = 100 mH	Lo = 100 mH

Cat. Nos. ISx0yTDBSH2A and ISx0yTDBTH2A

Circuits 1-21:	Circuits 22-24:
Uo = 32.0 V dc	Uo = 32.0 V dc
Io = 3.3 mA	Io = 13.4 mA
Po = 0.11 W	Po = 0.43 W
Co = 0.18 µF	Co = 0.18 µF
Lo = 100 mH	Lo = 100 mH

Cat. Nos. ISx0yTDBTH4A

Circuits 1-21:	Circuits 22-24:
Uo = 55 V dc	Uo = 55 V dc
Io = 3.3 mA	Io = 11.5 mA
Po = 0.181 W	Po = 0.632 W
Co = 0.04 µF	Co = 0.04 µF
Lo = 100 mH	Lo = 100 mH

Cat. Nos. ISx0yTDBSH4A

Circuits 1-21:	Circuits 22-24:
Uo = 55 V dc	Uo = 55 V dc
Io = 3.0 mA	Io = 12.5 mA
Po = 0.165 W	Po = 0.687 W
Co = 0.04 µF	Co = 0.04 µF
Lo = 100 mH	Lo = 100 mH

Intrinsically Safe Field Wiring Parameters for I/O pack System Cat. No. IS220PAOCH1B with Cat. Nos. IS200STAOH1A, IS200STAOH2A, IS200TBAOH1C and Cat No. IS42yPAOCH1C with Cat Nos. IS200STAOH1A, ISx0ySTAOH2A, IS400TBAOH1D:

Analog Outputs

Uo = 28.6 V dc

Io = 22.5 mA

Po = 0.641 W

Co = 0.255 µF

Lo = 100 mH

MARKING

Marking has to be readable and indelible; it has to include the following indications:

See drawing GEEx-CDL-002 for specific marking requirements for each module.

Marking has to be readable and indelible; it has to include the following indications:

1. The registered Nexus Controls, LLC trademark;
2. Cat. No. or Model Name per General product information section of this document;
3. Electrical Supply Ratings per Ratings section of this document;
4. Reference to installation instructions;
5. Date code in text or barcode form;
6. Serial number;
7. IECEx protection string Ex ec IIC T4 Gc, Ex ec [ic] IIC T4 Gc, Ex ic ec IIC T4 Gc, or Ex ic ec [ic] IIC T4 Gc ;
8. Address: 1800 Nelson Road Longmont, CO, 80501 USA;
9. Certificate number: IECEx UL 21.0067X.
10. Ambient temperature range.
11. CE Mark;
12. Trademark

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13. The product label may contain other markings that are not related to IECEx.

Marking Requirements for Accessories:

1. The registered Nexus Controls, LLC trademark;
2. Cat. No or Model Name per drawing GEEx-CDL-002;
3. 336A4940FFP80 label for reference to Installation instructions; and
4. Fuse Voltage & Current Ratings for replacement.

IS40yWROBH1A, IS40yWROFH1A, IS40yWROGH1A, IS40yWROHH1A	250VAC, 125VDC minimum, 3.15A
ISx0yTRLYS1D, ISx0yTRLYS1B	125VDC minimum, 3.15A