

TYPE-EXAMINATION CERTIFICATE

1. Type-examination Certificate (Module A)
2. Equipment or Protective System intended for use in potentially explosive atmospheres (Directive 2014/34/EU)



3. Type examination certificate Nr **ITSI21ATEX28912X R.4**

4. **Product:** Hazardous Locations Control modules

5. **Manufacturer:** Xin Hua Control Engineering Co Ltd **Applicant:** Nexus Controls LLC
(a branch of Nexus Controls LLC)

Nexus Controls LLC

6. **Address:** 160 Wen Jing Road, Minhuang District, Shanghai, ZIP 200245, China **Address:** 1800 Nelson Rd, Longmont, CO 80501-6324, USA
1800 Nelson Rd, Longmont, CO 80501-6324, USA

7. This product and any acceptable variation thereto are specified in the schedule to this certificate and therein referred to.
8. INTERTEK ITALIA S.p.A., certifies that the equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective system intended for use in potentially explosive atmosphere, given in Annex II of the Directive.
The examination and tests results are recorded in confidential technical evaluation Intertek Report Nr. 105357992DAL-002 dated 14 June 2023.
9. Compliance with the Essential Health and Safety Requirements has been assured by compliance with EN 60079-0:2018, EN 60079-7: 2015/A1:2018 and EN 60079-15:2019 except in respect of those requirements referred to at item 16 of the Schedule
10. If the sign X is placed after the certificate number, it indicates that the product is subject to Special Conditions for Safe Use specified in the schedule to this certificate.
11. This Type Examination Certificate relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.
12. The marking of the product shall include the following:



II 3 G
Ex ec nC IIC T4 Gc
Tamb: -20°C ≤ Ta ≤ 50°C

28 July 2023

Certificate issue date

Todd L. Relyea
Certification Officer
Intertek Italia S.p.A.



This Certificate is for the exclusive use of Intertek's client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Certificate. Only the Client is authorized to permit copying or distribution of this Certificate and then only in its entirety. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek.

Intertek Italia S.p.A. Via Miglioli, 2/A - 20063 Cernusco sul Naviglio, Milano - Italy



SCHEDULE

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13. DESCRIPTION OF THE EQUIPMENT OR PROTECTIVE SYSTEM

The products covered by this report are the programmable logic control modules, Analog Input Modules, Analog Output Modules, Digital Input Modules, Digital Output Modules, Valve Position Control Modules, Speed Measurement Modules, Extension Modules, Logic Modules and Relay Modules. All the models are intended to be mounted in the panel (by others, this report does not cover any panel) and intended to be operated and communicated with other. The modules are intended for industrial process control and data communication. All modules are intelligent data acquisition and processing module.

All modules listed below:

MPU55-CBACN, MPU56-CBACN, MPU57-CBACN, MAI50-CBACN, MAI51-CBACN, MAI52-CBACN, MAI53-CBACN, MAI54-CBACN, MHT50-CBACN, MAO50-CBACN, MHO50-CBACN, MDI50-CBACN, MDI50A-CBACN, MDI52-CBACN, MDI53-CBACN, MDO53-CBACN, MDO55-CBACN, MVP50-CBACN, MVP50-CBACN, MVP51-CBACN, MVP52-CBACN, MVP53-CBACN, BVP53-CBACN, MSP50-CBACN, MSP51-CBACN, MCD50-CBACN, MCD51-CBACN, MLP50-CBACN, BLP50-CBACN, 2oo3-CBACN, TCBT-CBACN, TCBB-CBACN, SDO60-CBACN, BSDO60-CBACN, SPU60-CBACN, BSPU60-CBACN, SAI60-CBACN, BSAI60-CBACN, SDI60-CBACN, BSDI60-CBACN, MPU70-CBACN, RAO70-CBACN, BAO70-CBACN, BAO70S-CBACN, RDO70-CBACN, BDO70-CBACN, BDO70S-CBACN.

MPU55-CBAUS, MPU56-CBAUS, MPU57-CBAUS, MAI50-CBAUS, MAI51-CBAUS, MAI52-CBAUS, MAI53-CBAUS, MAI54-CBAUS, MHT50-CBAUS, MAO50-CBAUS, MHO50-CBAUS, MDI50-CBAUS, MDI50A-CBAUS, MDI52-CBAUS, MDI53-CBAUS, MDO53-CBAUS, MDO55-CBAUS, MVP50-CBAUS, MVP51-CBAUS, MVP52-CBAUS, MVP53-CBAUS, BVP53-CBAUS, MSP50-CBAUS, MSP51-CBAUS, MCD50-CBAUS, MCD51-CBAUS, MLP50-CBAUS, BLP50-CBAUS, 2oo3-CBAUS, TCBT-CBAUS, TCBB-CBAUS, SDO60-CBAUS, BSDO60-CBAUS, SPU60-CBAUS, BSPU60-CBAUS, SAI60-CBAUS, BSAI60-CBAUS, SDI60-CBAUS, BSDI60-CBAUS, MPU70-CBAUS, RAO70-CBAUS, BAO70-CBAUS, BAO70S-CBAUS, RDO70-CBAUS, BDO70-CBAUS, BDO70S-CBAUS.

Model Similarity:

The control modules MPU55, MPU56 and MPU57 are integrated stand-alone computers that run the application code and provides a universal control platform for the Nexus system, according to the firmware loaded on the controller.

The Nexus I/O bus & power extension module MCD50 provides the electrical interface between the IO modules and the controller's I/O bus (iLink), as well as the cabinet's DC power system.

Each I/O module contains a processor circuit which is common to all Nexus I/O modules. The Nexus analog input modules MAI50, MAI51, MAI52, MAI53, MAI54 and MHT50 contain a processor subsystem and an acquisition circuit specific to either temperature input function or any other analog input function.

The Nexus analog output modules MAO50 and MHO50 contain a processor subsystem and an acquisition circuit specific to the analog output function. Most analog output channels can provide current output with signal range from 4 to 20mA, while some can be configured for 1-5V dc output.



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The Nexus discrete input module MDI50, MDI50A and MDI53 contain a processor subsystem and an acquisition circuit specific to the digital input function.

The Nexus discrete output module MDO53 and MDO55 contain a processor subsystem and an acquisition circuit specific to the digital output function.

The speed measurement modules MSP50 and MSP51 contain a processor subsystem (MCU), a Field Programmable Gate Array (FPGA) and an acquisition & output circuit specifically for speed detection and protection function. The module can provide a number of speed input, mA/V analog inputs, discrete inputs and discrete outputs.

The Nexus valve position control modules MVP50, MVP51, MVP52, MVP53 and BVP53 are an integrated I/O module specific for valve position control. The module has redundant input/output channels and on-board PID servo control loop.

MPU70 module is a new design of the MPU55/56 modules with faster computing speed.

MLP50 is TMR Emergency Trip System (ETS) plug-in programmable logic protection module.

BLP50 is TMR Emergency Trip System (ETS) base terminal board module.

TCB-T - top train connection board

TCB-B - bottom train connection board

SDO60 - sdo 6chs digital output module

BSDO60 - sdo 6chs base board module

SPU60 - spu control module

BSPU60 - spu base board module

SAI60 - sai 8chs analog input module

BSAI60 - sai 8chs base board module

SDI60 - sdi 24chs digital input module

BSDI60 - sdi 24chs base board module

RAO70 - 8chs analog output board

BAO70 - DMR base board module

BAO70S - Base board module



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RDO70 - 16chs digital output module

BDO70 - DMR transistor base board module

BDO70S - Transistor base board module

See below table for details.

Module Name	Haz , Panel Mount Module SAP part numbers	Haz , PCBA SAP part numbers	HAZ AREA PCB PART NUMBER	Description of use	input VOLTAGE (max)
MAI50	MAI50-CBACN MAI50-CBAUS	MAI50-BBACN MAI50-BBAUS	MAI50-ABACN MAI50-ABAUS	ma/V analog input module 16 channels	24VDC, 11.0W
MAI51	MAI51-CBACN MAI51-CBAUS	MAI51-BBACN MAI51-BBAUS	MAI51-ABACN MAI51-ABAUS	TC/RTD analog input module 16 channels	24VDC, 1.8W
MHT50	MHT50-CBACN MHT50-CBAUS	MHT50-BBACN MHT50-BBAUS	MHT50-ABACN MHT50-ABAUS	mA/V Analog input module 8 channels with HART	24VDC, 6.62W
MAI52	MAI52-CBACN MAI52-CBAUS	MAI52-BBACN MAI52-BBAUS	MAI52-ABACN MAI52-ABAUS	mA/V Analog input module 8 channels	24VDC, 6.5 W
MAI53	MAI53-CBACN MAI53-CBAUS	MAI53-BBACN MAI53-BBAUS	MAI53-ABACN MAI53-ABAUS	mA/V Analog input module 16 channels with individual ADC	24VDC, 12.7W
MAI54	MAI54-CBACN MAI54-CBAUS	MAI54-BBACN MAI54-BBAUS	MAI54-ABACN MAI54-ABAUS	mA/V Analog Input Module 8 Channels with Individual ADC, fast sampling	24VDC, 9.2W
MHO50	MHO50-CBACN MHO50-CBAUS	MHO50-BBACN MHO50-BBAUS	MHO50-ABACN MHO50-ABAUS	mA/V Analog output module 8 channels with HART	24VDC, 6.7W
MAO50	MAO50-CBACN MAO50-CBAUS	MAO50-BBACN MAO50-BBAUS	MAO50-ABACN MAO50-ABAUS	mA/V analog output module 8 channels	24VDC, 6.55W
MDI50	MDI50-CBACN MDI50-CBAUS	MDI50-BBACN MDI50-BBAUS	MDI50-ABACN MDI50-ABAUS	Digital input module 32 channels	24VDC, 8.5W
MDI52	MDI52-CBACN MDI52-CBAUS	MDI52-BBACN MDI52-BBAUS	MDI52-ABACN MDI52-ABAUS	digital input module 16 channels	24VDC, 5.0 W
MDI53	MDI53-CBACN MDI53-CBAUS	MDI53-BBACN MDI53-BBAUS	MDI53-ABACN MDI53-ABAUS	digital module 16 channels 24VDC/48VDC/125VDC	24VDC, 3.8W 112.5-137.5 VDC, 6.2W wetting
MDI50A	MDI50A-CBACN MDI50A-CBAUS	MDI50A-BBACN MDI50A-BBAUS	MDI50A-ABACN MDI50A-ABAUS	Option board to MDI50 module, 32CHs 24VDC Digital Input	24VDC, 8.5W, wetting
MDO53	MDO53-CBACN MDO53-CBAUS	MDO53-BBACN MDO53-BBAUS	MDO53-ABACN MDO53-ABAUS	digital output module 16 AC relay channels	Supply: 24Vdc, 11.0W Load: 8A/30VDC



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MDO55	MDO55-CBACN MDO55-CBAUS	MDO55-BBACN MDO55-BBAUS	MDO55-ABACN MDO55-ABAUS	digital output 16 channels with source transistor output	21.6-26.4 VDC, 2.6 W power 24 VDC, 48 W or 48 VDC, 96 W External Power max per chan 24 VDC, 6 W max per chan 48 VDC, 12 W max of 2 A or 96 W for all Channels output power
MVP50	MVP50-CBACN MVP50-CBAUS	MVP50-BBACN MVP50-BBAUS	MVP50-ABACN MVP50-ABAUS	Valve position control module	24VDC, 11.0 W
MVP50	MVP50-CBBCN MVP50-CBBUS	MVP50-BBBCN MVP50-BBBUS	MVP50-ABBCN MVP50-ABBUS	Valve position control module (highspeed)	24VDC, 11.0 W
MVP50	MVP50-CBBCN MVP50-CBBUS	MVP50-BBBCN MVP50-BBBUS	MVP50-ABBCN MVP50-ABBUS	Valve position control module (highspeed)	24VDC, 11.0 W
MVP51	MVP51-CBACN MVP51-CBAUS	MVP51-BBACN MVP51-BBAUS	MVP51-ABACN MVP51-ABAUS	Triple redundant LVDT valve position Control Module	24VDC, 11.0 W
MVP52	MVP52-CBACN MVP52-CBAUS	MVP52-BBACN MVP52-BBAUS	MVP52-ABACN MVP52-ABAUS	Valve Position Control Module, dual redundant servo control application	24VDC, 11.0 W
MVP53	MVP53-CBACN MVP53-CBAUS	MVP53-BBACN MVP53-BBAUS	MVP53-ABACN MVP53-ABAUS	TMR Valve Position Control Module	24VDC, 6.0W
MSP50	MSP50-CBACN MSP50-CBAUS	MSP50-BBACN MSP50-BBAUS	MSP50-ABACN MSP50-ABAUS	Speed Measurement and protection module	24VDC, 7.6W
MSP51	MSP51-CBACN MSP51-CBAUS	MSP51-BBACN MSP51-BBAUS	MSP51-ABACN MSP51-ABAUS	Speed Measurement and Logic Protection Module(MSP50 hardware, different firmware)	24VDC, 7.6W
MLP50	MLP50-CBACN MLP50-CBAUS	MLP50-BBACN MLP50-BBAUS	MLP50-ABACN MLP50-ABAUS	TMR programable logic control module	Supply: 24VDC, 6.8W
MCD50	MCD50-CBACN MCD50-CBAUS	MCD50-BBACN MCD50-BBAUS	MCD50-ABACN MCD50-ABAUS	iLink & 24VDC Extension Module	24VDC, 0.1W
MCD51	MCD51-CBACN MCD51-CBAUS	MCD51-BBACN MCD51-BBAUS	MCD51-ABACN MCD51-ABAUS	iLink & 24VDC Extension Module	24VDC, 0.1W
MPU55	MPU55-CBACN MPU55-CBAUS	MPU55-BBACN MPU55-BBAUS	MPU55-ABACN MPU55-ABAUS	Controller Module	24VDC, 7.2W
MPU56	MPU56-CBACN MPU56-CBAUS	MPU56-BBACN MPU56-BBAUS	MPU56-ABACN MPU56-ABAUS	Controller Module	24VDC, 7.2W
MPU57	MPU57-CBACN	MPU57-BBACN	MPU57-ABACN	Controller Module	24VDC, 7.2W



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	MPU57-CBAUS	MPU57-BBAUS	MPU57-ABAUS		
BLP50	BLP50-CBACN BLP50-CBAUS	BLP50-BBACN BLP50-BBAUS	BLP50-ABACN BLP50-ABAUS	TMR Programmable Logic Protection Base Module	Supply: 24VDC, 9.5W Load: 4A/30VDC
BVP53	BVP53-CBACN BVP53-CBAUS	BVP53-BBACN BVP53-BBAUS	BVP53-ABACN BVP53-ABAUS	TMR Valve Position Control Base Module(for MVP53)	24VDC, 0.1W
2oo3	2oo3-CBACN 2oo3-CBAUS	2oo3-BBACN 2oo3-BBAUS	2oo3-ABACN 2oo3-ABAUS	2oo3 Relay module	24VDC, 1.5W
TCBT	TCBT-CBACN TCBT-CBAUS	TCBT-BBACN TCBT-BBAUS	TCBT-ABACN TCBT-ABAUS	TOP TRAIN CONNECTION BOARD	input: 20.4- 28.8VDC, 0.1 W , output: 20.4-28.8VDC
TCBB	TCBB-CBACN TCBB-CBAUS	TCBB-BBACN TCBB-BBAUS	TCBB-ABACN TCBB-ABAUS	BOTTOM TRAIN CONNECTION BOARD	input: 20.4- 28.8VDC, 0.1 W output: 20.4-28.8VDC
SDO60	SDO60-CBACN SDO60-CBAUS	SDO60-BBACN SDO60-BBAUS	SDO60-ABACN SDO60-ABAUS	SDO 6CHs DIGITAL OUTPUT MODULE	input: 20.4- 28.8VDC, 2W, Transistor output: 0.3A @ 24V dc
BSDO60	BSDO60-CBACN BSDO60-CBAUS	BSDO60-BBACN BSDO60-BBAUS	BSDO60-ABACN BSDO60-ABAUS	SDO 6CHs BASE BOARD MODULE	input: 20.4- 28.8VDC, 12W, output: 20.4-28.8VDC, Relay output: 30VDC
SPU60	SPU60-CBACN SPU60-CBAUS	SPU60-BBACN SPU60-BBAUS	SPU60-ABACN SPU60-ABAUS	SPU CONTROL MODULE	input: 20.4- 28.8VDC, 5W
BSPU60	BSPU60-CBACN BSPU60-CBAUS	BSPU60-BBACN BSPU60-BBAUS	BSPU60-ABACN BSPU60-ABAUS	SPU BASE BOARD MODULE	input: 20.4- 28.8VDC, 0.1W, output:20.4- 28.8VDC
SAI60	SAI60-CBACN SAI60-CBAUS	SAI60-BBACN SAI60-BBAUS	SAI60-ABACN SAI60-ABAUS	SAI 8CHs ANALOG INPUT MODULE	input: 20.4- 28.8VDC 5W
BSAI60	BSAI60-CBACN BSAI60-CBAUS	BSAI60-BBACN BSAI60-BBAUS	BSAI60-ABACN BSAI60-ABAUS	SAI 8CHs BASE BOARD MODULE	input: 20.4- 28.8VDC, 6W, Ouput:20.4- 28.8VDC
SDI60	SDI60-CBACN SDI60-CBAUS	SDI60-BBACN SDI60-BBAUS	SDI60-ABACN SDI60-ABAUS	SDI 24CHs DIGITAL INPUT MODULE	input: 20.4- 28.8VDC, 5W
BSDI60	BSDI60-CBACN BSDI60-CBAUS	BSDI60-BBACN BSDI60-BBAUS	BSDI60-ABACN BSDI60-ABAUS	SDI 24CHs BASE BOARD MODULE	input: 20.4- 28.8VDC, 2W, output:20.4- 28.8 VDC
MPU70	MPU70-CBBCN MPU70-CBBUS	MPU70-BBBCN	MPU70-ABBCN	Controller Module	input: 24 VDC, 28.0 W



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BAO70	BAO70-CBBCN BAO70-CBBUS	BAO70-CBBCN BAO70-CBBUS	BAO70-ABBCN BAO70-ABBUS	DMR Base Board Module	input: 24 VDC, 28.0 W
BAO70S	BAO70S-CBBCN BAO70S-CBBUS	BAO70S-BBBCN BAO70S-BBBUS	BAO70S-ABBCN BAO70S-ABBUS	Base Board Module	input: 24 VDC, 28.0 W
RDO70	RDO70-CBBCN RDO70-CBBUS	RDO70-BBBCN RDO70-BBBUS	RDO70-ABBCN RDO70-ABBUS	16CHs Digital Output Module	input: 24 VDC, 28.0 W
BDO70	BDO70-CBBCN BDO70-CBBUS	BDO70-BBBCN BDO70-BBBUS	BDO70-ABBCN BDO70-ABBUS	DMR Transfer Base Board Module	input: 24 VDC, 28.0 W
BDO70S	BDO70S-CBBCN BDO70S-CBBUS	BDO70S-BBBCN BDO70S-BBBUS	BDO70S-ABBCN BDO70S-ABBUS	Transistor Base Board Module	input: 24 VDC, 28.0 W



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14. DRAWINGS AND DOCUMENTS

TITLE	DOCUMENT Nr	LEVEL	DATE
*Nexus OnCore Modules ATEX/IECEX/UL/CAN Manual Addendum	NCM10080	G	May 2023
NEXUS ONCORE IECEX LABELS, SMALL	154M6671	D	10/05/2022
NEXUS ONCORE MODULE IECEX LABELS	152M7204	D	10/07/2022
2oo3 Relay Board	2003-BBACN	N/A	11/30/2020
BLP 50	BLP50-BBACN	N/A	11/19/2020
BSAI60	BSAI60-BBACN	N/A	12/01/2020
BSDI60	BSDI60-BBACN	N/A	12/01/2020
BSDO60	BSDO60-BBACN	N/A	12/01/2020
BSPU60	BSPU60-BBACN	N/A	12/01/2020
BVP53	BVP53-BBACN	N/A	11/30/2020
MAI50	MAI50-BBACN	N/A	11/19/2020
MAI51	MAI51-BBACN	N/A	11/19/2020
MAI52	MAI52-BBACN	N/A	11/19/2020
MAI53	MAI53-BBACN	N/A	11/19/2020
MAI54	MAI54-BBACN	N/A	11/19/2020
MAO50	MAO50-BBACN	N/A	11/19/2020
MCD50	MCD50-BBACN	N/A	11/19/2020
MCD51	MCD51-BBACN	N/A	11/19/2020
MDI50A	MDI50A-BBACN	N/A	2020/12/01
MDI50	MDI50-BBACN	N/A	2020/12/01
MDI52	MDI52-BBACN	N/A	2020/12/01
MDI53	MDI53-BBACN	N/A	2020/12/01



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TITLE	DOCUMENT Nr	LEVEL	DATE
MDO53	MDO53-BBACN	N/A	2020/12/01
MDO55	MDO55-BBACN	N/A	2020/12/01
MHO50	MHO50-BBACN	N/A	11/19/2020
MHT50	MHT50-BBACN	N/A	11/19/2020
MLP 50	MLP50-BBACN	N/A	11/30/2020
SOC CONTROLLER	MPU55-BBACN	N/A	11/19/2020
ICFC DEH MSP	267B6751P1508	5	09/23/2020
Nexus MVP50	267B6751P2017	4	09/04/2020
MVP53	MVP53-BBACN	N/A	11/30/2020
SAI60	SAI60-BBACN	A	11/26/2021
SDI60	SDI60-BBACN	N/A	12/01/2020
SDO60	SDO60-BBACN	N/A	12/01/2020
SPU60	SPU60-BBACN	N/A	12/01/2020
TCB_BOTTOM	TCBB-BBACN	N/A	12/01/2020
TCB_TOP	TCBT-BBACN	N/A	12/01/2020
MPU70	MPU70-BBACN	V-	07/29/2022
*BAO70	BAO70-BBACN	VA	04/21/2022
*BAO70S	BAO70S-BBACN	VA	04/21/2022
*RAO70	RAO70-BBACN	VA	04/21/2022
*RDO70	RDO70-BBACN	VA	07/27/2022
*BDO70	BDO70-BBACN	VA	05/05/2022
*BDO70S	BDO70S-BBACN	VA	05/05/2022

Copies of the above listed documents are kept at Intertek Italia S.p.A. archive.



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15. SPECIAL CONDITIONS FOR SAFE USE

- The Programmable Control and I/O Modules shall be installed in a suitable ATEX certified Ex e, and minimum ingress protection IP54 enclosure as per the instructions, parts, and specifications provided in Service Manual.
- The end use enclosure shall be tool secured and shall not be opened in the presence of ignitable concentration of explosive gas atmosphere and do not connect/ disconnect this device unless the power has been switched off or the area is deemed to be non-hazardous. Grounding/Bonding wire shall be provided.
- The Programmable Control and I/O Modules shall only be powered by a secondary circuit not exceeding 24V.

16. ESSENTIAL HEALTH AND SAFETY REQUIREMENTS

The relevant essential Health and Safety Requirements have been identified and assessed in Intertek Report Nr. 105357992DAL-002 dated 14 June 2023.

17. ROUTINE (FACTORY) TESTS

- **Routine Dielectric Strength Test per Clause 6.1 of EN 60079-7: 2015/A1:2018 and EN 60079-15:2019**

A routine dielectric strength test is required between the connector pins and the enclosure of fully assembly system. A test voltage of 500V r.m.s. or 700VDC is to be applied for 60s and no breakdown of insulation or separation shall occur. Alternatively, a test shall be carried out at 1.,2 times the test voltage, but maintained for at least 100 ms.

18. DETAIL OF CERTIFICATE CHANGES

R.1:

- MSP50, MVP50 PCB update, electrical rating and power consumption keep same as the previous.
- Added MVP50 highspeed version, software updated.
- Updated related drawings.

R.2:

- Added below manufacturer:
Nexus Control LLC
1800 Nelson Rd, Longmont, CO 80501-6324, USA
- Updated UKEX cert# from ITS21UKEX0289 to ITS21UKEX0289X.
- Updated label and manual accordingly.

R.3:

- Added MPU70 module (MPU70-CBBCN, MPU70-CBBUS)
- Updated SAI60 module.

Updated for new PCBA to fix a flowing ground that happens in a moist environment.



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R.4:

- Added below modules:
RAO70-CBBCN, BAO70-CBBCN, BAO70S-CBBCN, RDO70-CBBCN, BDO70-CBBCN, BDO70S-CBBCN
RAO70-CBBUS, BAO70-CBBUS, BAO70S-CBBUS, RDO70-CBBUS, BDO70-CBBUS, BDO70S-CBBUS