



# Certificate of Compliance

**Certificate:** 2226379

**Master Contract:** 244665

**Project:** 80174421

**Date Issued:** 2024-02-13

**Issued To:** B&R Industrial Automation GmbH  
B&R Straße 1  
Eggelsberg, Upper Austria, 5142  
Austria

**Attention:** Christian Remta

*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:** Alison Cheng  
Alison Cheng



## **PRODUCTS**

CLASS 2258 02 - PROCESS CONTROL EQUIPMENT - For Hazardous Locations

CLASS 2258 82 - PROCESS CONTROL EQUIPMENT - For Hazardous Locations - Certified to US Standards

**Class I, Division 2, Groups A, B, C and D**

## **PART A**

X20 and X67 modules designated for PLC and I/O systems powered at 24Vdc, Ambient temperature range: 0°C to +60°C, Temperature Code T5, as following:

Bus Modules -



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CAT. NOS. X20BM01, X20BM05, X20BM11, X20BM12, X20BM13, X20BM15, X20BM21, X20BM23, X20BM26, X20BM31, X20BM32, X20BM33, X20BM36, X20BB22, X20BB27, X20BB32, X20BB80, X20BB37, X20BB42, X20BB47, X20BB81, X20BB82.

Bus Modules coated –

CAT. NOS. X20cBM01, X20cBM11, X20cBM12, X20cBM23, X20cBM31, X20cBM32, X20cBM33, X20cBB80, X20cBB81, X20cBB82, X20cBM26.

Analog Input Modules -

CAT. NOS. X20AI1744, X20AI1744-3, X20AI2222, X20AI2237, X20AI2322, X20AI2632-1, X20AI4222, X20AI4322, X20ATA312, X20ATB312, X20ATA492, X20ATC402, X20AP3111, X20AP3121, X20AP3131, X20AP3161, X20SA4430, X20ST4492, X20AI2437, X20AI2438, X20AI2622, Alternate Cat. No. LD0AI2622; X20AI2636, X20AI2632, X20AI4622, X20AI4636, X20AI4632, X20AI4632-1, X20AI8221, X20AI8321, X20AT2222, Alternate Cat. No. LD0AT2222; X20AT2311, X20AT2402, X20AT4222, X20AT4232, X20AT6402.

Analog Input Modules coated –

CAT. NOS. X20cAI2438, X20cAI4622, X20cAI4632, X20cAI4632-1, X20cAP3121, X20cAP3131, X20cAT4222, X20cAT6402, X20cSA4430, X20cST4492, X20cAI1744, X20cAI1744-3.

Analog Output Modules –

CAT. NOS. X20AO2437, X20AO2438, X20AO2622, Alternate Cat. No. LD0AO2622; X20AO2632, X20AO2632-1, X20AO4622, X20AO4632, X20AO4632-1, X20AO4635.

Analog Output Modules coated –

CAT. NOS. X20cAO2437, X20cAO2438, X20cAO4622, X20cAO4632, X20cAO4632-1.

Digital Input Modules –

CAT. NOS. X20DC1073, X20DC2398, X20DI2371, X20DI2372, X20DI2377, X20DI2653, X20DI4371, Alternate Cat. No. LD0DI4371; X20DI4372, Alternate Cat. No. LD0DI4372, X20DI4375, X20DI4653, X20DI4760, X20DI6371, Alternate Cat. No. LD0DI6371; X20DI6372, Alternate Cat. No. LD0DI6372; X20DI6373, X20DI6553, X20DI8371, X20DI9371, X20DI9372, Alternate Cat. No. LD0DI9372, X20DID371, X20DIF371, X20SD1207, X20SI2100, X20SI4100, X20SI9100, X20SLX210, X20SLX410, X20SLX910.

Digital Input Modules coated –

CAT. NOS. X20cDI4371, X20cDI4375, X20cDI4760, X20cDI6371, X20cDI6372, X20cDI9371, X20cDI9372, X20cSI4100, X20cSD1207, X20cSI9100, X20cSLX210, X20cSLX410, X20cSLX910, X20cDIF371, X20cDC2190.



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Digital Output Modules –

CAT. NOS. X20DO2321, X20DO2322, X20DO2623, X20DO2633, X20DO2649, X20DO4321, X20DO4322, Alternate Cat. No. LD0DO4322, X20DO4331, X20DO4332, X20DO4529, X20DO4613, X20DO4623, X20DO4633, X20DO4649, X20DO6321, X20DO6322, Alternate Cat. No. LD0DO6322, X20DO6529, Alternate Cat. No. LD0DO6529, X20DO6639, X20DO8323, X20DO8331, X20DO9321, X20DOD322, X20SC2212, X20SC2432, X20SO2110, X20SO2120, X20SO2530, X20SO4110, X20SO4120, X20SO6300, X20MM3332, X20MM4331, X20DO6325, X20MM2436, X20MM4456, X20SM1426, X20SM1436.

Digital Output Modules coated –

CAT. NOS. X20cDO4322, X20cDO4332, X20cDO6321, X20cDO6322, X20cDO6639, X20cDO8331, X20cDO9321, X20cSC2212, X20cSC2432, X20cSO2110, X20cSO2530, X20cSO4110, X20cSO4120, X20cSO6300, X20cDO2633, X20cDO4633, X20cDO4649, X20cDO6529, X20cMM2436.

Analog/Digital Input/Output Mixed Modules –

Cat. Nos. X20CM0289, X20CM0985, X20CM0985-1, X20CM1201, X20CM1941, Alternate Cat. No. LD0CM1941, X20CM2821, X20CM2900, Alternate Cat. No. LD0CM2900, X20CM6209, X20CM8281, X20CM8323, Alternate Cat. No. LD0CM8323, X20CM4810, X20DM9324, LD0DM9324, X20DS1319, X20DS1828, X20DS1928, X20DS4387, X20DS438A, X20RT8001, X20CM2966.

Analog/Digital Input/Output Mixed Modules coated –

Cat. Nos. X20cCM2821, X20cCM0985-1, X20cCM4810, X20cDM9324, X20cCM8323, X20cDS438A.

Power Supply Modules

CAT. NOS. X20PS2100, X20PS2110, X20PS3300, (Alternate Cat. No. LD0PS3300), X20PS3310, X20PS4951, X20PS8002, X20PS9400, (Alternate Cat. No. LD0PS9400), X20PS9402, X20PS9500, X20PS9502, X20BR9300, (Alternate Cat. No. LD0BR9300), X20BT9100, X20BT9400, (Alternate Cat. No. LD0BT9400), X20SP1130;

Power Supply Modules coated

CAT. NOS. X20cPS2100, X20cPS2110, X20cPS3300, X20cPS3310, X20cPS8002, X20cPS9400, X20cPS9500, X20cBR9300, X20cBT9100, X20cSP1130.

Bus Controller Modules –

CAT. NOS. X20BC0043-C01, X20BC0053, X20BC0063, X20BC0083, X20BC0087, X20BC0087-C01, X20BC0088, X20BC0087-10, X20BC00E3, X20BC00G3, X20BC80G3, X20BC00H3, X20BC0143-10, X20BC8083, X20BC8084.

Bus Controller Modules coated –



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CAT. NOS. X20cBC0083, X20cBC0087, X20cBC00E3, X20cBC8083, X20cBC8084, X20cBC0088.

**CPU Modules –**

Cat. Nos. X20CP0201, X20CP0291, X20CP0292, X20CP1483, X20CP1483-1, X20CP1484, X20CP1484-1, X20CP1485, X20CP1485-1, X20CP1486, X20CP1583, X20CP1584, X20CP1585, X20CP1586, X20CP3583, X20CP3584, X20CP3585, X20CP3586, X20CP3484, X20CP3484-1, X20CP3485, X20CP3485-1, X20CP3486, alternate Cat. No. LD0CP3486, X20XC0201, X20XC0202, X20XC0292, X20SL8000, X20SL8001, X20SL8010, X20SL8011, X20SL8100, X20SLH000, SE0SLH000-1, X20SLH001, SE0SLH001-1, SE0LD1, SE0LD2, SE0LF1, SE0LF2, SE0LF3, SE0LF4, SE0LM0, SE0LM1, X20CP1301, X20CP1381, X20CP1381-RT, X20CP1382, X20CP1382-RT, X20SL8101.

**CPU Modules coated –**

Cat. Nos. X20cCP1584, X20cCP1586, X20cCP3584, X20cCP3586, X20cSL8100, X20cSL8101, X20cCP1382-RT, X20cCP1301.

**Compact I/O assembly within a single housing**

Cat. Nos. SE0CIOCI1, SE0CIOCI2, SE0CIOCI3, SE0CIOCI4, SE0CIOCI5, SE0CIOCI6 and SE0CIOCI7 with included I/O modules types DI12, DI6L, DO6H, DI4L, DO4H, DO6R, AI12, AO12, AO12 u and AO12 i. Alternate Cat. Nos. C20 followed by A, B, C, D, E, F and G, followed by alphanumeric digits defining types and locations of included I/O modules types DI12, DI6L, DO6H, DI4L, DO4H, DO6R, AI12, AO12, AO12 u and AO12 i.

**Interface Modules –**

\*Cat. Nos. X20CS1011, X20CS1012, X20CS1013, X20CS10WB-C01, X20CS2770, X20HB1881, X20HB28G0, X20HB2881, X20HB2886, X20HB8815, X20HB8880, X20HB88G0, X20HB8884, X20IF1020, X20IF1030, X20IF1051-1, X20IF1053-1, X20IF1061, X20IF1061-1, X20IF1063, X20IF1063-1, X20IF1065, X20IF1074, X20IF1082-2, X20IF1086-2, X20IF10A1-1, X20IF10D1-1, X20IF10D3-1, X20IF10E1-1, X20IF10E3-1, X20IF10G3-1, X20IF10H3-1, X20IF10X0, X20ET8819.

**Interface Modules coated –**

Cat. Nos. X20cHB1881, X20cHB2881, X20cHB2886, X20cHB8815, X20cHB8880, X20cHB8884, X20cIF1030, X20cIF1061-1, X20cIF1063-1, X20cIF1082-2, X20cIF10D3-1, X20cIF10E3-1, X20cIF10X0, X20cIF10D1-1.

**Potential Distributor Modules –**

Cat. Nos. X20PD0011, X20PD0012, X20PD0016, X20PD2113;

**Potential Distributor Module coated –**



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Cat. No. X20cPD2113.

Dummy modules –

Cat. Nos. X20IF0000, X20ZX000, X20ZF000F.

Remote analog input module – Cat. Nos. X67AI1223, X67AI1233, X67AI1323, X67AI1333, X67AI2744, X67AT1311, X67AT1322, X67AT1402, X67AI4850;

Remote analog input/output module – Cat. Nos. X67AM1223, X67AM1323;

Remote analog output module – Cat. Nos. X67AO1223, X67AO1323;

Remote bus controller module – Cat. Nos. X67BC4321, X67BC4321-1, X67BC4321-10, X67BC4321.L08-1,

X67BC4321.L08-10, X67BC4321.L12-10, X67BC5321, X67BC6321, X67BC6321.L08, X67BC6321.L12,

X67BC7321, X67BC7321-1, X67BC81RT.L12, X67BC8321, X67BC8321-1, X67BC8321.L12,

X67BC8513.L12, X67BC8591.L12, X67BCD321.L12, X67BCD321.L12-1, X67BCE321.L12,

X67BCG321.L12, X67BCH321.L12, X67BCJ321, X67BCJ321.L12, X67BC8331;

Remote digital input module – Cat. No. X67DI1371, X67DI1372, X67DI1371.L08, X67DI1371.L12, X67SC4122.L12, X67SI8103;

Remote digital input/output module – Cat. No. X67DM1321, X67DM1321.L08, X67DM1321.L12, X67DM1321.L12-1, X67DM9321, X67DM9321.L12, X67DM9331.L12, X67DS438A, X67DV1311.L08, X67DV1311.L12, X67UM4389, X67UM4389-C01;

Remote analog/digital input/output module – Cat. No. X67UM1352;

Remote digital output module – Cat. No. X67DO1332, X67DO9332.L12;

Remote power supply module – Cat. No. X67PS1300, Alternate Cat. No. LD7PS1300;

Remote counter module – Cat. Nos. X67DC1198, X67DC2322;

Remote interface module – Cat. No. X67IF1121, X67IF1121-1;

Remote motor controller module – Cat. Nos. X67MM2436, X67SM2436, alternate Cat. No. LD7SM2436, X67SM4320;

## PART B



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X20 and X67 modules designated for PLC and I/O systems powered at 24Vdc, Ambient temperature range: 0°C to +60°C (Horizontal Mounting), 0°C to +50°C (Vertical Mounting), Temperature Code T5, as following:

Digital Input Modules –

Cat. Nos. X20DC1176, X20DC1178, X20DC1196, X20DC1198, X20DC11A6, X20DC1376, X20DC137A, X20DC1396, Alternate Cat. No. LD0DC1396; X20DC1398, X20DC1976, X20DC2395, X20DC2396, X20DC4395

Digital Input Modules coated –

Cat. Nos. X20cDC1198, X20cDC1396, X20cDC2395, X20cDC1196.

Digital Output Modules –

Cat. Nos. X20DO8232, Alternate Cat. No. LD0DO8232, X20DO8322, X20DO8332, Alternate Cat. No. LD0DO8332, X20DO9322, Alternate Cat. No. LD0DO9322, X20DOF322

Digital Output Modules coated –

Cat. Nos. X20cDO8322, X20cDO8332, X20cDO9322, X20cDOF322

Analog/Digital Input/Output Mixed Modules –

Cat. Nos. X20DS1119, X20DS4389

Analog/Digital Input/Output Mixed Modules coated –

Cat. Nos. X20cDS1119

Bus Controller Modules –

Cat. Nos. X20BC0043, X20BC0043-10, X20BC0073, X20BC1083, alternate Cat. No. LD0BC1083

Bus Controller Modules coated –

Cat. Nos. X20cBC1083

Interface Modules –

Cat. Nos. X20CS1020, X20CS1030, X20CS1070, X20HB2880, X20HB2885, X20IF1041-1, X20IF1043-1, X20IF1072, alternate Cat. No. LD0IF1072, X20IF1082, alternate Cat. No. LD0IF1082, X20IF1091, alternate Cat. No. LD0IF1091, X20IF1091-1, X20IF2181-2, X20IF2772, alternate Cat. No. LD0IF2772, X20IF2792, alternate Cat. No. LD0IF2792



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Interface Modules coated –

Cat. Nos. X20cCS1020, X20cCS1030, X20cHB2880, X20cHB2885, X20cIF1041-1, X20cIF1043-1, X20cIF1072, X20cIF1082, X20cIF1091, X20cIF1091-1, X20cIF2181-2, X20cIF2772, X20cIF2792.

### PART C

X20 modules designated for PLC and I/O systems powered at 24Vdc, Temperature Code T5, as following:

CPU Modules –

Cat. Nos. X20CP0410, X20CP0411, X20CP0420, X20CP0482, X20CP0483, X20CP0484, X20CP0484-1, X20cCP0410

- Ta = 0°C to 55°C – Horizontal Mounting
- Ta = 0°C to 60°C – Horizontal Mounting (X2X Link derated to 5W)
- Ta = 0°C to 50°C – Vertical Mounting

Cat. Nos. X20CP1684, X20CP1685, X20CP1686X, X20CP3684, X20CP3685, X20CP3686X, X20CP3687X, X20cCP1684, X20cCP3687X

- Ta = 0°C to 55°C – Horizontal Mounting
- Ta = 0°C to 60°C – Horizontal Mounting (X2X Link derated to 5W)
- Ta = 0°C to 45°C – Vertical Mounting

Cat. Nos. X20EM0611, X20EM0612, X20EM0613, X20EM1611, X20EM1612, X20EM1613

- Ta = 0°C to 60°C – Horizontal Mounting
- Ta = 0°C to 50°C – Vertical Mounting

### Notes:

Catalog numbers may include an additional suffix (digit) in the last position to indicate software change in the operating system of low voltage, limited energy circuitry.

### Conditions of Acceptability:

1. The modules are Open Type equipment and shall be completely enclosed in a suitable enclosure and the final combination shall be subjected to acceptance of local authority having jurisdiction.
2. For models in Parts B and C above, the ambient temperature range is dependent on mounting orientation and application of derating. This shall be considered during installation.

### APPLICABLE REQUIREMENTS

PART A:

|                             |   |                           |
|-----------------------------|---|---------------------------|
| CSA Std C22.2 No. 142-M1987 | - | Process Control Equipment |
|-----------------------------|---|---------------------------|



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|   |   |   |
|---|---|---|
| CAN/CSA C22.2 No. 213-17<br>+ UPD 1 (2018) + UPD 2 (2019) + UPD 3<br>(2021) (R2022) | - | Nonincendive electrical equipment for use in Class I and II,<br>Division 2 and Class III, Divisions 1 and 2 hazardous<br>(classified) locations |
| UL Std No. 916:2007   | - | Energy Management Equipment   |
| ANSI/UL 121201-2021<br>Ninth Edition  | - | Nonincendive electrical equipment for use in Class I and II,<br>Division 2 and Class III, Divisions 1 and 2 hazardous<br>(classified) locations |

#### PARTS B & C:

|  |   |   |
|--|---|---|
| CSA C22.2 No. 61010-1-12, Rev May 11,<br>2012; Update No. 1 Rev July 15, 2015;<br>Update No. 2, Rev April 29, 2016;<br>Amendment 1, Rev November 16, 2018;<br>Corrigendum 1, Rev July 19, 2019 | - | Safety Requirements for Electrical Equipment For<br>Measurement, Control, and Laboratory Use; Part 1: General<br>Requirements                               |
| CAN/CSA-C22.2 61010-2-201:18, Rev<br>February 2018   | - | Safety Requirements for Electrical Equipment For<br>Measurement, Control, and Laboratory Use; Part 1: General<br>Requirements                               |
| CAN/CSA C22.2 No. 213-17<br>+ UPD 1 (2018) + UPD 2 (2019) + UPD 3<br>(2021) (R2022)  | - | Nonincendive electrical equipment for use in Class I and II,<br>Division 2 and Class III, Divisions 1 and 2 hazardous<br>(classified) locations             |
| UL 61010-1, 3rd Ed., Rev July 19, 2019   | - | Safety requirements for electrical Equipment for<br>Measurement, Control, and Laboratory Use – Part 2-201:<br>Particular Requirements for control equipment |
| UL 61010-2-201, 2nd Ed., Rev August 8,<br>2022   | - | Safety requirements for electrical Equipment for<br>Measurement, Control, and Laboratory Use – Part 2-201:<br>Particular Requirements for control equipment |
| ANSI/UL 121201-2021<br>Ninth Edition   | - | Nonincendive electrical equipment for use in Class I and II,<br>Division 2 and Class III, Divisions 1 and 2 hazardous<br>(classified) locations             |

#### **MARKINGS**

The manufacturer is required to apply the following markings:

- Products shall be marked with the markings specified by the particular product standard.
- Products certified for Canada shall have all Caution and Warning markings in both English and French.

Additional bilingual markings not covered by the product standard(s) may be required by the Authorities Having Jurisdiction. It is the responsibility of the manufacturer to provide and apply these additional markings, where applicable, in accordance with the requirements of those authorities.





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The products listed are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US (indicating that products have been manufactured to the requirements of both Canadian and U.S. Standards) or with adjacent indicator 'US' for US only or without either indicator for Canada only.

The manufacturer is required to apply the following markings:

- Products shall be marked with the markings specified by the particular product standard.
- Products certified for Canada shall have all Caution and Warning markings in both English and French.

Additional bilingual markings not covered by the product standard(s) may be required by the Authorities Having Jurisdiction. It is the responsibility of the manufacturer to provide and apply these additional markings, where

Markings are engraved on the plastic case. Following information is provided:

- CSA Monogram with “C/US” Indicator.
- Company name or trade mark or CSA master contract number
- Model number
- Serial number
- Hazardous Locations Designation
- Temperature code rating: T5
- Ambient temperature range: as specified in the Product Description section
- Reference to installation instructions and symbol 

Note: Installation instructions include bilingual recapitulation of the marking information and the applicable warnings:

- Warning re do not use USB and Ethernet connector;
- Warning re do not disconnect or service in hazardous area;
- Warning re replacement of battery;
- Warning re do not replace fuse or open fuse cover in hazardous area;
- Warning re substitution of components.

Notes:

Products certified under Class C225802, C225882 have been certified under CSA's ISO/IEC 17065 accreditation with the Standards Council of Canada (SCC). [www.scc.ca](http://www.scc.ca)

