



Certificate of Compliance

Certificate: 2226379 **Master Contract:** 244665 (244665)

Project: 70083632 **Date Issued:** 2017-02-24

Issued to: Bernecker+Rainer Industrie -Elektronik Ges.m.b.H.
1 B&R Strasse
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: *Thomas Munteanu*
T. Munteanu, P.Eng.

PRODUCTS

CLASS - C225802 - PROCESS CONTROL EQUIPMENT-For Hazardous Locations-

CLASS - C225882 - PROCESS CONTROL EQUIPMENT-For Hazardous Locations - Certified to US Standards

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

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 -

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 -



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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, 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, X20DC1176, X20DC1178, X20DC1196, X20DC1198, X20DC11A6, X20DC1376, X20DC137A, X20DC1396, Alternate Cat. No. LD0DC1396; X20DC1398, X20DC1976, X20DC2190, X20DC2395, X20DC2396, X20DC2398, X20DC4395, 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, X20cDC1198, X20cDC1396, X20cDC2395, X20cDC1196.

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, X20DO8232, Alternate Cat. No. LD0DO8232, X20DO8322, X20DO8323, X20DO8331, X20DO8332, Alternate Cat. No. LD0DO8332; X20DO9321, X20DO9322, Alternate Cat. No.



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LD0DO9322, X20DOD322, X20DOF322, 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, X20cDO8332, X20cDO9321, X20cDO9322, X20cSC2212, X20cSC2432, X20cSO2110, X20cSO2530, X20cSO4110, X20cSO4120, X20cSO6300, X20cDO2633, X20cDO4633, X20cDO4649, X20cDO6529, X20cDOF322, 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, X20DS1119, X20DS1319, X20DS1828, X20DS1928, X20DS4387, X20DS4389, X20DS438A, X20RT8001, X20CM2966.

Analog/Digital Input/Output Mixed Modules coated –

Cat. Nos. X20cCM2821, X20cCM0985-1, X20cCM4810, X20cDM9324, X20cDS1119, 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, X20BC0043-10, X20BC0043-C01, X20BC0053, X20BC0063, X20BC0073, X20BC0083, X20BC0087, X20BC0087-C01, X20BC0088, X20BC0087-10, X20BC00E3, X20BC00G3, X20BC80G3, X20BC00H3, X20BC0143-10, X20BC1083, alternate Cat. No. LD0BC1083, X20BC8083, X20BC8084, X20ET8819;

Bus Controller Modules coated –

CAT. NOS. X20cBC0083, X20cBC0087, X20cBC00E3, X20cBC1083, X20cBC8083, X20cBC8084, X20cBC0088.



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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, X20SLH001, 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. SE0CIO1, SE0CIO2, SE0CIO3, SE0CIO4, SE0CIO5, SE0CIO6 and SE0CIO7 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, X20CS1020, X20CS1030, X20CS1070, X20CS10WB-C01, X20CS2770, X20HB1881, X20HB2880, X20HB28G0, X20HB2881, X20HB2885, X20HB2886, X20HB8815, X20HB8880, X20HB88G0, X20HB8884, X20IF1020, X20IF1030, X20IF1041-1, X20IF1043-1, X20IF1051-1, X20IF1053-1, X20IF1061, X20IF1061-1, X20IF1063, X20IF1063-1, X20IF1065, X20IF1072, alternate Cat. No. LD0IF1072, X20IF1074, X20IF1082, alternate Cat. No. LD0IF1082, X20IF1082-2, X20IF1086-2, X20IF1091, alternate Cat. No. LD0IF1091, X20IF1091-1, X20IF10A1-1, X20IF10D1-1, X20IF10D3-1, X20IF10E1-1, X20IF10E3-1, X20IF10G3-1, X20IF10H3-1, X20IF2181-2, X20IF10X0, X20IF2772, alternate Cat. No. LD0IF2772, X20IF2792, Alternate Cat. No. LD0IF2792;

Interface Modules coated –

Cat. Nos. X20cCS1020, X20cCS1030, X20cHB1881, X20cHB2880, X20cHB2881, X20cHB2885, X20cHB2886, X20cHB8815, X20cHB8880, X20cHB8884, X20cIF1030, X20cIF1041-1, X20cIF1061-1, X20cIF1063-1, X20cIF1072, X20cIF1082-2, X20cIF10D3-1, X20cIF10E3-1, X20cIF10X0, X20cIF2181-2, X20cIF10D1-1, X20cIF2772.

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, X20ZF000, 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;

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;

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.



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Notes: 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. 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.

APPLICABLE REQUIREMENTS

CSA Std C22.2 No. 0-M1991 - General Requirements - Canadian Electrical Code Part II
CSA Std C22.2 No. 142-M1987 - Process Control Equipment
CSA Std C22.2 No. 213-M1987 - Non-Incendive Electrical Equipment for Use in Class I, Division 2 Hazardous Locations
UL Std No. 916:2007 - Energy Management Equipment
ANSI/ISA 12.12.01:2007 - Nonincendive Electrical Equipment for Use in Class I and II, Division 2 and Class III, Division 1 and 2 Hazardous (Classified) Locations

MARKINGS

- 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: 0 to 60°C;
- Reference to installation instructions;

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 substitution of components.



Supplement to Certificate of Compliance

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*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
70083632	2017-02-24	Update report 2226379 to add new modules.
2693862	2014-10-17	Update to report 2226379 to include five new models based on similar construction of previously certified models.
2640909	2013-10-21	Revision to report 2226379 to include minor changes of printed PCBs to improve functionality.
2493472	2012-04-25	Update to add models and revise drawings
2362769	2010-11-29	Update to add new modules
2226379	2010-02-12	Original Certification