



# Certificate of Compliance

**Certificate:** 1815060

**Master Contract:** 225844

**Project:** 70201948

**Date Issued:** 2018-12-21

**Issued to:** Schneider Electric France DBA Automation  
8eme rue - ZI Carros  
Carros, Cedex, 06516  
FRANCE

*The products listed below are eligible to bear the CSA Mark shown*



**Issued by:** *Karim Shehata*  
Karim Shehata

## PRODUCTS

CLASS 2252 01 - PROCESS CONTROL EQUIPMENT  
CLASS 2253 01 - Industrial Automation Products

Open-type equipment, Programmable Logic Controllers, Line MODICON M340 and M580, Series BMX and BME.

### *Part A* (for Class 2253 01)

Power supply module, model:

- BMX CPS, followed by 4002, 4002H or 4002S, rated input: 100-240Vac, 50-60Hz, 0.9A / Output: 40W (24Vdc and 3.3Vdc outputs intended to be used with MODICON Racks).
- BMX CPS, followed by 4022 or 4022H, rated input: 24-48Vdc, 1.9A / Output: 40W (24Vdc and 3.3Vdc outputs intended to be used with MODICON Racks).
- BMX CPS, followed by 3522 or 3522H, rated input: 125Vdc, 0.6A / Output: 40W (24Vdc and 3.3Vdc outputs intended to be used with MODICON Racks).
- BMX CPS followed by 2000, rated input 100-240Vac, 0.61A max, 50-60Hz/ Output : 20W ( Sensor output: 24Vdc, 0.45A, Output logic signals: 24Vdc, 3.3Vdc)
- BMX CPS 2010, rated input 24Vdc, 1.0 A max, output: 17W ( Output logic signals: 24Vdc, 3.3Vdc)
- BMX CPS followed by 3500 or 3500H, rated 100-240Vac, 0.61A max, 50-60Hz, Output: 20W ( Sensor output: 24Vdc, 0.45A; Output logic signals: 24Vdc, 3.3Vdc)



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- BMX CPS followed by 3540T, rated 125Vdc, 0.36A max, Output 36W ( Sensor output: 24Vdc, 0.9A; Output logic signals: 24Vdc, 3.3Vdc)
- BMX CPS followed by 3020 or 3020H, rated 24-48Vdc, 1.65A max, Output: 32W ( Output logic signals: 24Vdc, 3.3Vdc)
- BMX CPS followed by 4022S, rated 24-48Vdc, 1,9A max, Output 40W, Output logic signals: 24Vdc, 3.3Vdc)
- BMX CPS followed by 3522S, rated 125Vdc, 0.6A max, Output 40W (Output logic signals: 24Vdc,3,3Vdc)

Racks, models (no rating, logic modules only):

- Extension modules (racks), BMX XBP, 0400, 0400H, 0600, 0600H, 0800, 0800H, 1200 or 1200H
- Extension modules (racks), BME XBP, followed by 0400, 0400H, 0800, 0800H, 1200 or 1200H
- Extension modules (racks), BME XBP, followed by 0602, 0602H, 1002 or 1002H

Processor module, models (no rating, logic modules only):

- BMX P34, followed by 1000, 1000H, 2000, 2010, 2020, 2020H, 2030, 20102, 20102CL, 20302, 20302CL, 20302H or 20ITRB
- Processor modules, BME P58, followed by 1020, 1020H, 2020, 2020H, 2040, 2040H, 3020, 3040, 4020, 4040, 5040, 5040C, 6040, 6040C, 2040S, 4040S or CPROS3
- Processor modules, BME-H58 followed by 2040, 2040C, 4040, 4040C, 6040 or 6040C
- Processor modules, BME-H58 followed by 2040K or 4040K (bundle)
- Processor modules: BME H58 followed by 2040S, 4040S or 6040S

Digital and Analog modules, models:

- Digital Input modules, BMX DDI, followed by 1602 or 1602H, rated: 16 digital inputs, 24Vdc, 3.5mA
- Digital Input modules, BMX DDI, followed by 1603 or 1603H, rated: 16 digital inputs, 48Vdc, 2.5mA
- Digital Input modules, BMX DDI, followed by 3202K or 3202KH, rated: 32 digital inputs, 24Vdc, 2.5mA
- Digital Input modules, BMX DDI, followed by 6402K or 6402KH, rated: 64 digital inputs, 24Vdc, 1mA
- Digital Input modules, BMX SDI, followed by 1602, rated: 16 digital inputs, 24Vdc, 2.5mA
- Digital Output modules, BMX DDO, followed by 1602, 1602H, 1612 or 1612H, rated: 16 digital outputs, 24Vdc, 0.5A
- Digital Output modules, BMX DDO, followed by 3202K, 3202KC, rated: 32 digital outputs, 24Vdc, 0.1A
- Digital Output modules, BMX DDO, followed by 6402K or 6402KC, rated: 64 digital outputs, 24Vdc, 0.1A
- Digital Output modules, BMX SDO, followed by 0802, rated: 8 digital outputs, 24Vdc, 0.5A
- Digital Input and Output modules, BMX DDM, followed by 16022 or 16022H, rated: 8 digital inputs, 24Vdc, 3.5mA AND 8 digital outputs, 24Vdc, 0.1A
- Digital Input and Output modules, BMX DDM, followed by 3202K, rated: 16 digital inputs, 24Vdc, 2.5mA AND 16 digital outputs, 24Vdc, 0.1A
- Digital Input modules, BMX DAI, followed by 1602, 1602H, rated: 16 digital inputs, 24Vdc/ac, 3mA
- Analog Input modules, BMX AMI, followed by 0410, 0410H, 0800, 0810 or 0810H, rated: analog inputs, 0-20mA, +/- 10V
- Analog Input modules, BMX ART, followed by 0414, 0414H, 0814 or 0814H, rated: analog inputs, 0-20mA, +/- 10V
- Analog Input modules, BME AHI, followed by 0812 or 0812H, rated: analog inputs, 0-20mA, +/- 10V



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- Analog Input modules, BMX SAI, followed by 0410, rated: analog inputs, 0-20mA, +/- 10V
- Analog Output modules, BME AHO, followed by 0412 or 0412C, rated: analog outputs, 0-20mA, +/- 10V
- Analog Output modules, BMX AMO, followed by 0210, 0210H, 0410, 0410H, 0802 or 0802H rated: analog outputs, 0-20mA, +/- 10V
- Analog Input and Output modules, BMX AMM, followed by 0600 or 0600H, rated: analog inputs/outputs, 0-20mA, +/- 10V
- Digital Input modules, BMX DDI, followed by 1604T, rated: 16 inputs current sinking, 125 Vdc, 2.4 mA, Max 4 inputs
- Digital Input and Output modules, BMX DDM, followed by 16025 or 16025H rated: 8 input fast current sinking; or 8 protected relay outputs, 24 Vdc, 3.5 mA or 24Vdc, 24-240Vac, 2A
- Digital Input modules, BMX DAI, followed by 0805, rated: 8 inputs current, 200-240 Vac, 10 mA
- Digital Input modules, BMX DAI, followed by 0814, rated: 8 inputs current, 100-120 Vac, 5 mA
- Digital Input modules, BMX DAI, followed by 1603 or 1603H, rated: 16 inputs current, 48 Vac, 5 mA
- Digital Input modules, BMX DAI, followed by 1604 or 1604H, rated: 16 inputs current, 100-120 Vac, 5 mA
- Digital Output modules, BMX DAO, followed by 1605 or 1605H, rated: 16 triac outputs, 24-240Vdc, 0.6A per channel
- Digital Output modules, BMX DRA, followed by 0804T, rated: 8 isolated relay outputs, 125Vdc, 0.3A per channel
- Digital Output modules, BMX DRA, followed by 0805, rated: 8 isolated relay outputs, 10-34Vdc, 10-264Vac, 3A version <02 or 2A version>02
- Digital Output modules, BMX DRA, followed by 0805H, rated: 8 isolated relay outputs, 10-34Vdc, 10-264Vac, 1.2A
- Digital Output modules, BMX DRA, followed by 1605 or 1605H, rated: 16 isolated relay outputs, 24-125Vdc, 200-264Vac, 2A
- Digital Output modules, BMX SRA, followed by 0405, rated: 4 relay outputs, 24Vdc, 24-240Vac, 5A
- Digital Input module BMX DAI followed by 1615 or 1615H, rated 16 digital inputs, 200-240Vac, 15mA
- Digital Output module BMX DAO followed by 1615 or 1615H, rated 16 digital outputs 24-240Vac, 0.6A per channel.
- Relay Output Module BMX DRA followed by 0815 or 0815H, rated 16 relay outputs, 24Vdc, 24-240Vac, 2A per channel.
- Relay Output Module BMX DRC followed by 0805 or 0805H, rated 8 relay outputs, 24Vdc, 24-240Vac.
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**Special modules, models (no rating, logic modules only):**

- Counting modules, BMX ETM, followed by 0200 or 0200H
- Counting modules, BMX EHC, followed by 0200, 0200H, 0800 or 0800H
- Expendable modules, BMX XBE, followed by 1000, 1000H or 2005
- Positioning modules, BMX MSP, followed by 0200
- Remote I/O Adapter module, BMX PRA, followed by 0100
- Synchronous serial interface module, BMX EAE, followed by 0300 or 0300H
- Time Stamping Input modules, BMX ERT, followed by 1604T or 1604H
- Aidiag module, PMXCDA, followed by 0000

**Communication module, models (no rating, logic modules only):**



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- (Optic Fiber Repeater), BMX NRP, followed by 0200, 0200C, 0201 or 0201C
- BMX NOE, followed by 0100, 0100H, 0110 or 0110H
- BMX NOC, followed by 0401 or 0402
- BME NOC, followed by 0301, 0301C, 0311, 0311C, 0321 or 0321C
- BME NOS, followed by 0300 or 0300C
- BME NOP, followed by 0300 or 0300C
- BMX NOM, followed by 0200 or 0200H
- BMX NOR, followed by 0200 or 0200H
- BMX NGD, followed by 0100 or 0100H
- (AS-Interface ASI), BMX EIA, followed by 0100
- (RIO Internet Drop Adapter), BMX CRA, 31200, 31210 or 31210C
- (RIO Internet Drop Adapter), BME CRA, 31210 or 31210C

Accessories (Memories, cables, terminal blocks, covers, bundles...), models (no rating, accessory modules only):

- Bundle or packs, BMX-P followed by AM or DM, followed by 48, 82 or 64, followed by 000, 100 or 200
- Extension Memory card, BMX RMS, followed by 1 or 3 digit, followed by M or G, may be followed by P or PF
- Extension Memory card, BMX RWS, followed by B or C or FC or 'blank', followed by a 3 digit number, followed by M or MWF
- Extension Memory card, NCA followed by 82000 or 84000
- Communication cables, BMX XCA, followed by USB, followed by H, followed a 3 digit number
- Shield bar kit, BMX XSP followed a 4 digit number
- Plug in terminal kits, BMX-XTS, followed by CPS, followed a 2 digit number
- Plug in terminal kits, BMX-XTS, followed by HSC, followed a 2 digit number
- Plug In terminal block, BMX FTB, followed a 4 digit number
- Communication cables, BMX FC, followed by A or C or W, followed a 3 or 4 digit number, may be followed by S
- Communication cables, BMX FT, followed a 3 or 4 digit number, may be followed by S
- Protective covers, BMX XEM, followed by a three suffixes
- Communication cable, BMX-FTW, followed a 3 or 4 digit number, may be followed by S
- Communication cables, BMX FTA, followed by a 3 digit number
- Communication cables, BMX XBC, followed by a 4 digit number, followed by K
- Communication cables, TCS-XCN, followed digit numbers
- Communication cables, TCS-MCN, followed digit numbers
- Communication cables, TCS-CCN, followed digit numbers
- Shield kit cables, BMX XSP, followed a 4 digit number
- Communication Ethernet Module Kit, BMEPTKMK followed digit numbers

**Part B** (for Class 2252 01)

Programmable Logic controllers ModBus Plus Communications Modules, TCSEGDB23F24FA, for use with TCP/IP interface, rated 24Vdc 0.5A 60°C ambient.



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Notes:

1. Products are open-type equipment to be permanently connected/installed, Equipment Class 1, Pollution Degree 2 and Installation Category II.
2. Mode of operation: Continuous
3. Environmental Conditions: Extended: 5 to 70°C max (see temperature range), 2000 m max, 80% to temperatures up to 31 °C decreasing linearly to 50% RH at 40 °C;  
Ambient temperature range: -25°C to +70°C for modules with suffix H and T, -25°C to +60°C for modules with suffix C and 0°C to +60°C for others.
4. Each power supply module has a relay alarm rated: 24Vdc, 2A or 240Vac, 50-60Hz, 2A

CONDITIONS OF ACCEPTABILITY

1. Open-Type equipment are certified only for installation in other certified equipment or in racks or cabinets where the suitability of the final installation is to be determined by the local inspection authority.
2. Unless otherwise noted, evaluation does not include:
  - a. Functional Safety
  - b. EMC Compatibility
  - c. Programming.

APPLICABLE REQUIREMENTS

CAN/CSA-C22.2 No. 61010-1:12	Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 1: General requirements
CAN/CSA-IEC 61010-2-201:14	Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 2-201: Particular requirements for control equipment
CSA-C22.2 No. 142-M1987	Process Control Equipment



## 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
70201948	2018-12-21	Addition of the following modules and accessories to class 2253 01: BMXDAl1615 and H, BMXDAO1615 and H, BMXDRA0815 and H, BMXDRC0805 and H, BMXCPS4022S, BMXCPS3522S, BMEP582040S, BMEH582040S, BMEH584040S, BMEH586040S, BMENUA0100 and H, BMENOR2200 and H, BMXAMO0802H, BMXERT1604H and PMPXMTKT01. Also, transfer to class 2253 01 of modules: BMXCPS2000, BMXCPS2010, BMXCPS3500 and H, BMXCPS3540T and BMXCPS3020 and H. Data accepted based on UL data provided and includes delisting of class 2253 51.
70163093	2017-12-11	Addition of ModBus Plus Communications Module TCSEGDB23F24FA (Part C), in consolidation as transferred from Report 2592906 (Part-C, File LR 32678, previous MC 255055) of CSA Product listing Class 2252-01.
70147201	2017-10-02	CSA report update (1815060) for the addition of new modules (BMXCPS4022 and H, BMXCPS3522 and H, BMENOP0300 and C, BMXSDI1602, BMXSDO0802, BMXSAI0410, BMXSRA0405, BMEP584040S, BMECPROS3 and BMXCPS4002S) in Part B of the report, the move of all modules (BMX DDI, BMX DDM, BMX DAI, BMX DAO, BMX DRA) from part A to part B and the removal of Part C (hazardous locations products - covered by a separate report 70013205).
70055410	2016-10-21	CSA report update (1815060) to address CSA Certification Notice: Hazardous Locations Products No. 24 and CSA Certification Notice: Process Control Equipment No. 3 resulting in a change in classes from 2253 51 to 2253 01 to cover the requirements of 61010-2-201 and the deletion of CSA standard 142.
70048570	2015-11-16	CSA report update (1815060) for the addition of alternate components (capacitor, optoisolator) and the addition of new modules in the standard and ruggedized series: BMEP586040 and C, BMEP585040 and C, BMEH586040 and C, BMEH584040 and C, BMEH582040 and C BMEH584040K, BMEH582040K, BMEXBP1002 and H, BMEXBP0602 and H, BMXRMS004GPF, BMXCPS4002, PMXCDA0000, BMXDDI3202KH, BMXDDI6402KH, BMXDDO3202KC, BMXDDO6402KC, BMEAHIO812H, BMXETM0200, BMXNRP0200C, BMXNRP0201C, B MENOC0321 and C, BMENOS0300 and C, BMXNGD0100
2760893	2014-09-18	Addition of modules: BME NOC0301, 0301C, 0311, 0311C; BMX



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		NOC0401, 0401C, 0402, 0402C; BME AHI0812C; BME AHO0412C; and alternate discrete components (optical isolators).
2661958	2013-09-27	Addition of modules BMEP581020/2020/2040/3020/3040/4020/4040, BMEP581020H/2020H/2040H, BMEAHI0812/AHO0412, BMEXBP0400/0800/1200, BMEX BP0400H/0800H/1200H, BMECRA31210/C, NCAxxxx, BMXDAI0814/H, and update discrete components.
2529428	2012-05-31	Addition of Catalog BMX NRP0200/ERT1604T/XBP1200H/CRA31210/AMI0810H/AMO0410H/EAE0300H/NRP0201/CRA31200/CRA30210C/P3420102CL/P3420302CL, terminal block FTB2800, and alternate components. Update to CSA-E61131-2:06 (change in Class 2253-51 from 2252-01).
2429854	2011-06-01	Addition of modules BMXEAE0300, BMXP3420ITRB, BMX RMS8MITRB, BMX P341000H, BMX FTAxXX, and alternate relay Type G5Q-1A4-DC24.
2268206	2010-02-03	Addition of modules: standard BMXDAI0805, BMX AMI0800, BMX AMI0810, BMX AMO0410, BMX AMO0802, BMX NOR0200, ruggedized BMX NOR0200H, and extended temperature BMX CPS3540T, BMX DDI1604T, BMXDRA0804T.
2200368	2009-07-24	Addition to BMX Ruggedized Series (suffix H, 70degC ambient) modules: P34 20302H, DAI1602H/3H/4H, DDO1612H, DAO1605H, DRA0805H, EHC 0200H/800H, NOE0110H, update designation HUA15083, and minor typo corrections.
2155979	2009-04-16	Addition of modules BMX P34 20102, BMX P34 20302, BMX NOM 0200, BMX PRA 0100, BMX EIA 0100, TCS XCN CCN, BMX NOM 0200H. Consolidation of critical components descriptive with exception for BMXCPSxxxx identified components.
2129473	2009-02-04	Addition of Series BMX Ruggedized, Modules P342020H, CPS3020H, CPS3500H, DDI1602H, DDI1603H, DDO1602H, DRA1605H, DDM16022H, DDM16025H, AMI0410H, ART0414H, ART0814H, AMO0210H, AMM0600H, XBP0400H, XBP0600H, XBP0800H, NOE0100H, XBE1000H.
2027448	2008-05-30	Addition of BMXP342000, BMXXBPxxxxS, BMXXBExxxx, BMXMSPxxxx, BMXPAMxxxxx, BMXPDMxxxxx.
1984180	2008-02-14	Addition of modules BMX DAO1605, AMM 0600, NOE 0110 and RWS FC ... M; and communication cables BMX XBC ..., and TCS XCN ..., TCS MCN ....
1956395	2007-09-19	Report and CofC update.
1815060	2007-01-23	CSA approval on PLC series Modicon M340 (Ref BMX).