



Certificate of Compliance

Certificate: 70108543

Master Contract: 225844

Project: 70108543

Date Issued: May 03, 2017

Issued to: Schneider Electric France DBA Automation
8eme rue – ZI Carros
Carros, Cedex, 06516
FRANCE
Attention: Mrs. Elisabeth Moutou

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



Issued by: E. Giusti
E. Giusti

PRODUCTS

CLASS 2258 02 - PROCESS CONTROL EQUIPMENT - For Hazardous Locations

CLASS 2258 82 - PROCESS CONTROL EQUIPMENT - For Hazardous Locations - CERTIFIED TO U.S.

Class I, Division 2, Groups A, B, C and D, Temperature Code T4.

Part A:

Programmable controllers, Line Quantum, Processors modules, Series MCS:

140 CPU 11302	Quantum CPU, 256K memory
140 CPU 11303	Quantum CPU, 512K memory
140 CPU 31110	Quantum CPU Unity 2M memory
140 CPU 43412A	Quantum 486 CPU, 2M, 1xMB+
140 CPU 43412U	Quantum 486 CPU Unity, 2M, 1xMB+
140 CPU 53414B	Quantum 534B CPU 4M memory
140 CPU 65150	Quantum CPU P166, Ethernet embedded
140 CPU 65160	Quantum CPU P266, Ethernet embedded
140 CPU 65160S	Quantum CPU functional “safety” stand alone
140 CPU 65260	Quantum CPU P266, Ethernet embedded
140 CPU 67060	Quantum CPU P266, Ethernet embedded
140 CPU 67160	Quantum CPU P266, Ethernet embedded
140 CPU 67160S	Quantum CPU functional “safety” redundant



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140 CPU 65860 Quantum CPU extended, Ethernet embedded
140 CPU 67260 Quantum CPU extended, Ethernet embedded
140 CPU 67261 Quantum CPU extended, Ethernet embedded
140 CPU 67861 Quantum CPU extended, Ethernet embedded

Power Supply (for use with Quantum models):

140 CPS 11100 115/230V ac, 50/60Hz input, 5V dc, 3A output
140 CPS 11420 115/230V ac, 50/60Hz input, 10A output summable
140 CPS 12420 115/230V ac, 50/60Hz input, 10A output redundant
140 CPS 12400 115/230V ac, 50/60Hz input, Output 5V dc 10A summable
140 CPS 21400 20-30 V dc Input, Output 5V dc 8A summable
140 CPS 22400 20-30 V dc Input, Output 5V dc 8A redundant
140 CPS 41400 48-60 V dc Input, Output 5V dc 8A summable
140 CPS 42400 48-60 V dc Input, Output 5V dc 8A redundant
140 CPS 52400 125 V dc Input, Output 5V dc 8A summable

Digital Input/Output (for use with Quantum models):

140 DAI 34000 Digital Input module, 16 Inputs, 24V ac
140 DAI 44000 Digital Input module, 16 Inputs, 48V ac
140 DAI 54000 Digital Input module, 16 Inputs, 115V ac
140 DAI 74000 Digital Input module, 16 Inputs, 230V ac
140DAI 75300 Digital Input module, 32 Inputs, 230V ac
140 DAO 84000 Digital Output module, 16 Outputs, 24V - 230V ac
140 DAO 85300 Digital Output module, 32 Outputs, 24V - 230V ac
140 DDI 35300 Digital Input module, 32 Inputs, 24V dc
140 DDI 84100 Digital Input module, 16 Inputs, 10V - 60V dc
140 DDI 85300 Digital Input module, 32 Inputs, 10V - 60V dc
140 DDO 35300 Digital Output module, 32 Outputs, 24V dc
140 DDO 35301 Digital Output module, 32 Outputs, 24V dc
140 DDO 84300 Digital Input module, 16 Outputs, 10V - 60V dc
140 DRA 84000 Digital Output module, 16 Outputs, relays 2A
140 ERT 85410 Digital Input module, 16 Inputs, 24V - 120V dc Time stamping
140 ERT 85410Z Digital Input module, 16 Inputs, 24V - 120V dc Time stamping (Unity)
140 ERT 85420 Digital Input module, 16 Inputs, 24V - 125V dc Time stamping
140 ERT 85430 Digital Input module, 16 Inputs, 24V - 125V dc Time stamping
140 SDI 95300S Digital Input module, 16 Inputs, 24V dc, 3mA
140 SDO 95300S Digital Output module, 16 Outputs protected, 24V dc, 500mA

Analog Input/Output (for use with Quantum models):

140 ACI 03000 Analog input, 8-channel, current
140 ACI 04000 Analog Current Input, 16-Channel
140 ACO 02000 Analog Current Output, 4 Channel
140 ACO 13000 Analog output, 8 channel, current
140 AMM 09000 Analog 4-Channel Input / 2 Channel output
140 ARI 03010 Analog input, 8 channel, RTD



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140 AVI 03000 Analog input, 8 channel, current
140 AVO 02000 Analog input, 4 channel, voltage
140 SAI 94000S Analog Input module, 8 Inputs, 4-20mA current

Communication and Intelligent Modules:

140 CHS 11000 Hot stand-by (Intelligent) module
140 CRA 21110 DIO adapter 115-230V ac single communication cable
140 CRA 21120 DIO adapter 24V dc single communication cable
140 CRA 21210 DIO adapter 115-230V ac dual communication cable
140 CRA 21220 DIO adapter 24V dc dual communication cable
140 CRA 31200 RIO Ethernet Drop adapter communication module
140 CRA 93100 RIO Drop 1-channel (Intelligent) module
140 CRA 93101 RIO Drop S908 adapter 1-Channel module
140 CRA 93200 RIO Drop 2-channel (Intelligent) module
140 CRA 93201 RIO Drop S908 adapter 2-Channel module
140 CRA 31908 Ethernet adapter communication module
140 CRP 31200 RIO Ethernet Head communication module
140 CRP 93100 RIO Head 1-channel (Intelligent) module
140 CRP 93200 RIO Head 2-channel (Intelligent) module
140 ESI 06210 ASCII communication module
140 NOC 78000 Ethernet communication module
140 NOC 78100 Ethernet communication module
140 NOE 77101 Ethernet communication module
140 NOE 77111 Ethernet communication module
140 NOP 85000 Ethernet communication module
140 NOM 21100 MB+ Head 1-channel (Communication) module
140 NOM 21200 MB+ Head 2-channel (Communication) module
140 NOM 25200 MB+ Head 2-channel optic fiber (Communication) module
140 NRP 31200 Optic Fiber repeater communication module
140 NRP 31201 Optic Fiber repeater communication module
140 NRP 95400 Optic Fiber repeater communication module
140 NRP 95401 Optic Fiber repeater communication module
140 NWM 10000 Ethernet communication module

Backplane Extender:

140 XBE 10000 XBP Expander

Backplanes:

140 XBP 00200 2 slots
140 XBP 00300 3 slots
140 XBP 00400 4 slots
140 XBP 00600 6 slots
140 XBP 01000 10 slots
140 XBP 01600 16 slots



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Accessories (for use with Quantum models):

Terminal blocks, models 140XTS00100, 140XTS00200, 140XTS33200

Ambient temperature for all modules: +60°C.

Cable assemblies, 140XTSx, where x is a five digits extension with the 2 last digits as cable length

Part B:

MCS Programmable Controller Series, for use in 60°C ambient, plug-in type:

140 CPS 21100	DC Power Supply, 24V dc, 3A
140 DVO 85300	DC Out 10-30V Verified Source
140 DAM 59000	115V/2A, AC Input/Output
140 DDO 88500	DC Output, 24-125V
140 DDI 36400	DC In 24V 6x16 Sink Telefast
140 CPU 53414	586 CPU, 4M, 1xMB+
140 CPU 53414A	586 CPU, 4M, 1xMB+
140 DAO 84210	100-230V ac, 16 pt. 2A per pt. Output module
140 DDO 36400	DC Output 24V dc 6x 16 Source Telefast
140 DSI 35300	DC Input 24V dc 4x8 Supervised
140 EIA 92100	AS-I Master 1 Channel
140 NOE 21110	Ethernet TCP/IP 1 Channel 2 Meg. Twisted Pair
140 NOE 25100	Ethernet TCP/IP 1 Channel Fibre, 2 Meg
140 NOE 77100	Ethernet 10/100 Base T 100FX, 8 Meg Flash memory
140 NOE 77110	Ethernet 10/100 Base T 100FX, Factory Cast
140 MMS 53502	SERCOS Motion module (586)
140 CPS 51100	DC Power Supply, 125V, 3A
140 DAO 84010	AC Output, 24-115V
140 DDI 35310	DC Input, 24V
140 DDI 67300	DC Input, 125V
140 DDM 69000	DC I/O, High Power
140 DDO 35310	DC Output, 24V
140 EHC 10500	High Speed Counter
140 NOE 21100	Ethernet TCP/IP, 1 channel, Twister Pair
140 NOE 25100	Ethernet TCP/IP, 1 channel, Fiberoptic
140 NOE 31100	Ethernet Sy/Max, 1 channel, Twister Pair
140 NOE 35100	Ethernet Sy/Max, 1 channel, Fibre optic
140 NOE 51100	Ethernet MMSE Twister Pair
140 NOE 55100	Ethernet MMSE Fibre Optic
141 MMS 42500	Sercos Motion module 4 Mbyte, 1 Ring
141 MMS 42501	Sercos Motion module 8 Mbyte, 1 Ring
140 DAI 45300	4 x 8 Channel AC Input, 48V ac
140 DAI 54300	2 x 8 Channel AC Input, 115V ac
140 DDM 39000	24V/0.5A, DC Input/Output
140 DDI 15310	4 x 8 DC Input, 5V TTL



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140 DDO 15310	4 x 8 DC Output, 5V/75 m A TTL
140 CPU 42402	CPU, 2M Memory
140 HLI 34000	16-Channel Hi-Speed Logic Interface, 24V dc
140 CPU 11304	CPU, 768K memory
140 CPU 21303	CPU, 512K memory and math coprocessor
140 CPU 21304	CPU 768K memory and math coprocessor
140 CPU 43302	CPU, 4M memory and math coprocessor
140 DAI 35300	24V ac, 4 groups of 8 pt. Input module
140 DAI 55300	115V ac, 4 groups of 8 pt. Input module
140 DAI 85300	10-60V dc, 4 groups of 8 pt. Input module
140 DAI 35300	24V dc, Input Module
140 DAO 84220	24-48V ac, 16 pt. 2 A per pt. Output module
140 DRC 83000	Relay, 8 pt. 0.5A per pt. Output module
140 ATI 03000	Thermocouple Input
140 ARI 03000	RTD Input
140 EHC 20200	High Speed Counter, 2 Channel
140 EHC 10500	High Speed Counter, 5 Channel

Ambient temperature for all modules: +60°C.

Notes:

1. The Quantum model numbers may be followed by suffix "C" for coating option.
2. Must be installed in a suitable enclosure as accepted by the local inspection authority having jurisdiction.
3. These modules are intended to be operated in an environment +60°C maximum surrounding air temperature, pollution degree 2.



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APPLICABLE REQUIREMENTS

CAN/CSA-C22.2 No. 0-10 (R2015)	General Requirements – Canadian Electrical Code Part II
CAN/CSA-E61131-2:06	Programmable Controllers-Part 2: Equipment Requirements and Tests
CAN/CSA-C22.2 No. 213-2016	Non-Incendive Electrical Equipment for Use in Class I, Division 2 Hazardous Locations
UL508: 2013	Industrial control equipment
ANSI/ISA - 12.12.01:2016	Nonincendive Electrical Equipment for Use in Class I and II, Division 2 and Class III, Divisions 1 and 2 Hazardous (Classified) Locations
FM 3600:2011	Approval standard for electric equipment for use in hazardous (classified) locations General requirements
FM 3611:2004	Approval for Nonincendive Electrical equipment for use in Class I and II, Division 1 and 2, Hazardous (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.

Each unit is marked in a permanent and visible manner with the following items:

1. Submitter's name and/or trademarks/tradenames and/or CSA file number "LR 58905" or Master Contract number "225844", catalogue number (model designation), complete electrical rating (rated voltage with indication for ac or dc or both and if necessary the frequency, input current or volt amperes, as applicable), serial number (date code) and the CSA Mark; and (as applicable) the following:
 - Wiring terminal identification (adjacent to wiring terminals);
 - Replacement fuse values.
2. Instruction manual is supplied with each unit of programmable controllers Models 140CPUxxx, and power supplies Models 140CPSxxx. For other units the information is provided within same instruction manual provided with each unit of programmable controllers Models 140CPUxxx, or power supplies Models 140CPSxxx, and is available to the user to obtain a copy of the instruction manual from the manufacturer by specifying the model number and serial number. It contains the method of installation, maximum rating of I/O circuits and maximum ambient temperature.



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3. The hazardous area classification: “Class I, Division 2, Groups A, B, C and D”, or abbreviation “Cl I Div. 2 Groups ABCD”.
4. The temperature code rating: T4,
5. The maximum ambient temperature 60°C.
6. The installation instructions shall include the bilingual caution warning re use in hazardous locations and the statement equivalent to the note in the certificate of compliance, as per Std. C22.2 No. 213, C19:
“THIS EQUIPMENT IS SUITABLE FOR USE IN CLASS I, DIVISION 2, GROUPS A, B, C AND D OR NON-HAZARDOUS LOCATIONS ONLY” / “CET EQUIPEMENT EST UTILISABLE EN CLASSE I, DIVISION 2, GROUPE A, B, C ET D OU ZONES NON DANGEREUSES SEULEMENT”
“WARNING - EXPLOSION HAZARD - SUBSTITUTION OF THE COMPONENTS MAY IMPAIR SUITABILITY FOR CLASS I, DIV. 2” / “LA SUBSTITUTION DE COMPOSANTS PEUT COMPROMETTRE LA CONFORMITÉ POUR CLASSE I, DIVISION 2”
“WARNING - EXPLOSION HAZARD - BATTERIES MUST ONLY BE CHANGED IN AN AREA KNOWN TO BE NON-HAZARDOUS - AVERTISSEMENT - RISQUE D’EXPLOSION – LES PILES DOIVENT ÊTRE REMPLACÉES DANS UN MILIEU LIBRE DE SUBSTANCES INFLAMMABLES CONCENTRÉES.”
WARNING – EXPLOSION HAZARD. DO NOT REMOVE OR REPLACE WHILE CIRCUIT IS LIVE UNLESS THE AREA IS FREE OF IGNITIBLE CONCENTRATIONS. / AVERTISSEMENT — RISQUE D’EXPLOSION. NE PAS RETIRER OU REMPLACER LORSQUE LE CIRCUIT EST SOUS TENSION, À MOINS QUE LE MILIEU SOIT LIBRE DE SUBSTANCES INFLAMMABLES CONCENTRÉES.
« WARNING – EXPLOSION HAZARD. DO NOT REMOVE OR DISCONNECT USB CONNECTOR UNLESS POWER HAS BEEN DISCONNECTED OR THE AREA IS FREE OF IGNITIBLE CONCENTRATIONS. / AVERTISSEMENT — RISQUE D’EXPLOSION. NE PAS RETIRER OU DECONNECTER LES CONNECTEURS USB AVANT D’AVOIR COUPÉ L’ALIMENTATION, À MOINS QUE LE MILIEU SOIT LIBRE DE SUBSTANCES INFLAMMABLES CONCENTRÉES.»

“CAUTION: FOR USE IN A CONTROLLED ENVIRONMENT, REFER TO MANUAL FOR ENVIRONMENTAL CONDITIONS”

Accompanying Documents: An operating manual is provided that specifies proper procedures for operating, maintenance and particular technical characteristics and emphasize the precautions required (listed above) when operating the equipment.

Method of Marking: The marking shall be permanent, such as a 0.5-mm thick metal nameplate secured by drive pins or screws in bottomed holes, cast, etched, engraved, or a CSA Accepted self adhesive nameplate material.



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
70108543	May 3, 2017	Original Certification