



Certificate of Compliance

Certificate: 70159012

Master Contract: 225844

Project: 70159012

Date Issued: February 07, 2018

Issued to: Schneider Automation SAS
Subsidiary of Schneider Electric
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.

Programmable controllers, open type, Momentum Series

Part-A

Input modules:

170 ADI 34000	24Vdc 16 Inputs
170 ADI 54050	120Vac 16Pt
170 ADI 35000	24Vdc 32 Inputs

Part-B

Output modules:

170 ADO 53050	120Vac 8Pt, 2A/Pt, 6A/Group
170 ADO 73050	230Vac 8Pt, 2A/Pt, 6A/Group
170 ADO 54050	120Vac 16Pt, 075A/Pt, 4A/Group
170 ADO 34000	24Vdc 0.5A 16 outputs
170 ADO 35000	24Vdc 0.5A 32 outputs



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Part-C

Combination modules:

170 ADM 39010	24Vdc 16 inputs, 12 outputs 24Vdc 0.5A
170 AMM 09000	24Vdc 4 analog inputs, 2 analog outputs 24Vdc 0.5A
170 ARM 37030	24Vdc 10 inputs, 2 Groups 4pt out 24Vac/dc 2A/pt and 6A/Group or 120Vac 0.5A/pt
170 ADM 35010	24Vdc 16 inputs, 16 outputs 24Vdc 0.5A
170 ADM 35011	24Vdc 16 inputs, 16 outputs 24Vdc 0.5A
170 ADM 39030	24Vdc 10 inputs, 8 outputs 120Vac 2A/Group
170 ADM 69050	120Vac 10 inputs, 120Vac 0.5A 8 outputs
170 ADM 69051	120Vac 10 inputs, 120Vac 0.5A 8 outputs
170 ADM 85010	10-60Vdc 16 pt input, 16 pt output 0.5A/pt
170 AMM 09000	24Vdc 4 analog inputs, 2 analog outputs 24Vdc 0.5A
170 AMM 11030	24Vdc 16pt in, 8pt out 0.25A/pt; +/-10Vdc Analog 2pt in, 2pt out 5mA/pt max
170 ANR 12090	24Vdc 8pt in, 8pt out 0.25A/pt; 0Vdc Analogue 6pt in, 4pt out 10mA/pt max
170 ANR 12091	24Vdc 8pt in, 8pt out 0.25A/pt; 10Vdc Analogue 6pt in, 4pt out 10mA/pt max

Part-D

Analog modules:

170 AAI 03000	8 channel voltage or current input, 5Vdc or 10Vdc, up to 20mA, module power 24Vdc
170 AAI 14000	16 channel voltage or current input, 5Vdc or 10Vdc, up to 20mA, module power 24Vdc
170 AAI 52040	4 differential inputs, $\pm 100\text{mV}$ RTD, module power 24Vdc
170 AAO 12000	4 analog outputs, 10Vdc, up to 20mA, module power 24Vdc
170 AAO 92100	4 analog outputs, 10Vdc, 4...20mA, module power 24Vdc

Part-E

CPU Top Hat modules:

171 CBU 78090	5Vdc
171 CBU 98090	5Vdc
171 CBU 98091	5Vdc

Part-F

High Speed Counter:

170 AEC 92000	24V dc, 24V dc 6 inputs, 24V dc 0.5A 4 outputs
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Part-G

Interface modules:

170 FNT 11001	FIP communication adapter, Extra-low-voltage limited energy
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Part-H

170 ENT 11001	MOMENTUM ETHERNET COMM ADAPTER, V2.0
170 ENT 11002	MOMENTUM ETHERNET COMM ADAPTER
170 DNT 11000	PROFIBUS DP COMM. ADAPTER
170 INT 11000	IB-S COMM. ADAPTER
170 INT 11003	INTERBUS COMM. ADAPTER SUP3



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170 PNT 11020 MODBUS+ COMM ADAPTER

Ambient temperature range 0°C to +60°C (indoor use).

Notes: Modules listed above:

1. Must be installed indoor in a suitable enclosure as accepted by the local inspection authority having jurisdiction.
2. Are intended for an environment 60°C maximum surrounding air temperature, pollution degree 2.
3. RJ45 connectors and SUB-D connectors, field wiring terminal block and rotary switch shall not be disconnected/used while circuit is live. Mini USB (on CBU modules) shall not be used in presence of explosive atmospheres.

APPLICABLE REQUIREMENTS

CAN/CSA-C22.2 No. 0-10 (R2015)
CAN/CSA-E61131-2:06

General requirements - Canadian Electrical Code, Part II
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
ANSI/ISA-12.12.01: 2015

Industrial control equipment

Nonincendive Electrical Equipment for use in Class I and II, Division 2 and Class III, Divisions 1 and 2 Hazardous Locations

FM 3600: 2011

Approval standard for electric equipment for use in hazardous (classified) locations General requirements

FM 3611: 2016

Approval for Nonincendive Electrical equipment for use in Class I and II, Division 1 and 2, Hazardous (classified) locations.



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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.

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 applicable, in accordance with the requirements of those authorities.

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, serial number (date code) and the CSA Monogram with "C/US" monogram;
2. The hazardous location:
Class I, Division 2, Groups A, B, C and D
3. The temperature code T4
4. The maximum ambient temperature +60°C
5. "WARNING - EXPLOSION HAZARD - DO NOT DISCONNECT WHILE CIRCUIT IS LIVE UNLESS AREA IS KNOWN TO BE NON-HAZARDOUS" and "AVERTISSEMENT: RISQUE D'EXPLOSION. NE PAS DÉBRANCHER TANT QUE LE CIRCUIT EST SOUS TENSION, À MOINS QU'IL NE S'AGISSE D'UN EMPLACEMENT NON DANGEREUX", or equivalent.
6. The installation instructions shall include the bilingual caution and warning for use in hazardous locations, the following statement, as per CSA-C22.2 No. 213 and ANSI/ISA 12.12.01:
"THIS EQUIPMENT IS SUITABLE FOR USE IN CLASS I, DIVISION 2, GROUPS A, B, C AND D OR NON-HAZARDOUS LOCATIONS ONLY" and "CET ÉQUIPEMENT EST ACCEPTABLE POUR UTILISATION DANS LES ENDROITS DANGEREUX DE CLASSE I, DIVISION 2, GROUPES A, B, C ET D OU NON CLASSIFIÉS SEULEMENT", or equivalent;

REQUIRED METHOD OF MARKING:

Markings are engraved with laser or appear on a thermal transfer polyester label material, type TC6/S8001, manufactured by Avery Dennison (accepted in File MH27538)



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
70159012	February 07, 2018	Original Certification Programmable Logic Controller Line Momentum