



# Certificate of Compliance

**Certificate:** 70008320

**Master Contract:** 248779

**Project:** 70147183

**Date Issued:** 2017-08-04

**Issued to:** Schneider Electric Automation GmbH  
SchneiderPlatz 1  
Marktheidenfeld, 97828  
GERMANY

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



**Issued by:** *Jean-Philippe Turcot*  
Jean-Philippe Turcot

## **PRODUCTS**

CLASS - C225301 - Industrial Automation Products

Open-type digital I/O modules for use with PLC, Models: TM3SAC5R, TM3SAC5RG, TM3SAK6R, TM3SAK6RG, TM3SAF5R, TM3SAF5RG, TM3SAFL5R & TM3SAFL5RG, Rated Inputs: 5Vdc, 40mA (internal power - BUS) & 24Vdc, 150mA (external power) & Rated Outputs: 230Vac, 5A (AC-15) & 24Vdc, 4A (DC-13).

## **Notes:**

1. The above model is permanently connected, Equipment Class II, Pollution Degree 2 and Overvoltage Category III (relay outputs).
2. Mode of operation: Continuous
3. Environmental Conditions: Extended: -10°C to 55°C (horizontal mounting) & -10°C to 35°C (vertical mounting, 2000 m max, 10-95% RH (non-condensing))
4. Open-type and rack-mounted 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.
5. This evaluation does not include
  1. Functional safety
  2. EMC compatibility
  3. Programming
  4. Use in Hazardous location



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### **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 - Edition 1.0

### **CONDITIONS OF ACCEPTABILITY**

- Equipment has only been tested for electrical safety. No evaluation of functional safety performance characteristics has been conducted.
- The equipment is not intended for field wiring.
- Equipment evaluated as modular for use with M221, M241 & M251 Series of PLC.
- This equipment has been evaluated for AC PILOT DUTY
- This equipment has been evaluated as an open equipment and is meant for access only by service personnel.
- Final installation is subject to the following:
  - o The modules must be installed in an end enclosure providing protection against electric shock and mechanical hazards, spread of fire, excessive temperatures and the effects of fluids and fluid pressure.
  - o There shall be an external 4A fuse (max) on the supply side of the external 24Vdc input
  - o There shall be an external 4A fuse gG or a 6A fast blow fuse on the relay outputs
  - o Wiring is to be done by using 80/90°C wire copper conductor only
  - o Terminals torque: Left – 0.22Nm / Right – 0.5Nm
  - o Installation clearances:
    - 40mm on each sides (except when connected to PLC or other module)
    - 20mm on top and bottom
    - 80mm from the front.



## *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**

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<b>Project</b>	<b>Date</b>	<b>Description</b>
70147183	2017-08-04	CSA c/us report update (70008320) for the addition of alternate enclosure material (6265 from Covestro).
70090353	2016-08-26	CSA report update (70008320) for addressing non-conformance issues noted in FIR dated April 27, 2016 (FC# 255666) including correction to PCB identification and correction of minor typos.
70008320	2014-10-24	CSA certification based on acceptance of CB report.