# Certificate of Compliance

**Certificate:** 2390249 **Master Contract:** 162938

**Project:** 80024500 **Date Issued:** 2020-02-11

**Issued To:** **Siemens AG**
**SI BP**
**Berliner Ring 23**
**Rastatt, ., 76437**
**Germany**

**Attention: Hermann Hasselbach**

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

**Issued by:** *Mahdieh Taghizadeh*
Mahdieh Taghizadeh

**PRODUCTS**

CLASS 4813 02 - TEMPERATURE-INDICATING AND REGULATING EQUIPMENT - Other Than Appliance Type
CLASS 4813 82 - TEMPERATURE-INDICATING AND REGULATING EQUIPMENT - Other Than Appliance Type - CERTIFIED TO U.S. STANDARDS

Motor Actuator, Model SQM4 followed by 0 or 1, followed by ".", followed by 0, 1, 2 or 3; followed by1, 2, 4, 5, 6, 7 or 8; followed by 1, 4, 5 or 7; followed by R; followed by 1; followed by 0**,** 1 or 3; rated 120V, 50/60Hz, temperature -20 to 60ºC except SMQ40.3xxxxx and SMQ41.3xxxxx temperature -15 ºC to 60ºC, 6000 cycles

Notes:

1. These devices are motor actuators intended for driving of flow control valves, butterfly valves, dampers or other applications that require rotary motion. The anticipated applications include oil and gas burners (medium to large capacity), industrial furnaces and thermal process plants.

2. The SQM4x.x4 series is provided with an electronic control circuit that modulates the rotation of the output shaft in response to low voltage input signals.
   The variant SQM4x.x1xxxx, SQM4x.x2xxxx, SQM4x.x5xxxx were derived from the version SQM4x.x4xxxx.


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SQM4x.x1xxxx compared to the variant SQM4x.x4xxxx has a separate feedback signal to indicate the open position (or highfire position in burner application) and is provided with a linear transformer instead SMPS transformer.
SQM4x.x5xxxx compared to the variant SQM4x.x4xxxx has an additional switch for auxiliary purpose and one analog input (4-20mA) only and is provided with a linear transformer instead of SMPS. The main functions of the drives SMQ4x.x1xxxx and SMQ4x.x5xxxx are equal.
SQM4x.x2xxxx compared to the variant SQM4x.x5xxxx has a different time constant for faster actuator type.

3. The SQM4x.x6 and 7 series devices are provided with electromechanical control circuitry. This circuitry is intended for three-position operation/rotation of the output shaft.

   SMQ4x.x8xxxx series was derived from SMQ4x.x6xxxx. Its mechanical construction and components are similar to the variant SQM4x.x6xxxx.

4. Each unit is provided with end of travel and auxiliary switches that actuate in response to shaft position. Each switch has been investigated for 100,000 cycles of operation in anticipation of use as interlock devices.

5. Each actuator may be provided with a logic level potentiometer. The rotation of the potentiometer is proportional to the rotation of the output drive shaft. This potentiometer has not been investigated for safety or interlocking applications.

6. Each actuator is provided with a complete electrical enclosure. The enclosure is made up of both metal and polymeric components. The enclosure is provided with thread openings to accommodate connection to a permanent wiring system.

7. The certified models above is transferred and re-evaluated from UL Certification report E158826 dated 2009-10-21/ revised 2017-12-14

8. Enclosure material has been tested for Flame Test, result is in UL File E158862.

9. Ambient temperature updated according to UL Report E158862

10. Endurance Test cycle referred to UL Report E158862

## APPLICABLE REQUIREMENTS

| | | |
|---|---|---|
| CSA Std C22.2 No.24-15 | - | Temperature-Indicating and -Regulating Equipment |
| UL Std No.873 (12th Ed) | - | Electrical Temperature Indicating and Regulating Equipment |

## MARKINGS

See report for detail.


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# *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 |
|---|---|---|
| 80024500 | 2020-02-11 | Update report to cover the model update according to UL report. |
| 70031100 | 2015-07-14 | Update SQM4 Series Report 2390249 to cover new SQM40.../SQM41... actuators |
| 2390249 | 2011-03-23 | Original Certification. |


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