



Certificate of Compliance

Certificate: 70005776

Master Contract: 236433

Project: 70197192

Date Issued: September 26, 2018

Issued to: Rotork Fulid Systems
9 Brown Lane West,
Holbec,
Leeds,
UNITED KINGDOM

Attention: Phillip Adams

The products listed below 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 US Standards) or with adjacent indicator 'US' for US only or without either indicator for Canada only



Issued by:


Rodel Rosales

PRODUCTS

CLASS 2252 06 - PROCESS CONTROL EQUIPMENT

CLASS 2252 86 - PROCESS CONTROL EQUIPMENT (Certified to U.S. Standards)

Rotork SI-3.3 Electric Fail-Safe Actuators; Input Rated: 24Vdc; 110/120Vac or 230Vac 60Hz 1Ø; 230Vac 50Hz 1Ø; 380-440Vac, 50/60Hz 3Ø; 480-575Vac, 60Hz 3Ø (See Att2 Illustration for Full Model Nomenclature Breakdown and Electrical Ratings)

Notes:

1. The above model is permanently connected, Equipment Class I, Pollution Degree 2, Overvoltage Category II.
2. Mode of operation: Isolating (on/off) or Intermittent/duty cycle 300 starts 75% maximum duty up to 40°C; and 300 starts 40% maximum duty from 41°C to 70°C
3. Environmental Conditions: Normal: 5 to 40 C, 2000 m max, 80% to temperatures up to 31 °C decreasing linearly to 50% rH at 40 °C; or Extended/as specified by manufacturer



Certificate: 70005776

Master Contract: 236433

Project: 70197192

Date Issued: September 26, 2018

CONDITIONS OF ACCEPTABILITY

- (1) Equipment is only to be installed by manufacturer trained personnel.
- (2) If at any time there is a conflict between the system safety provisions and any relevant local (national or regional) requirements, the local requirements always take precedence
- (3) The scope of this approval does not include any safety related function, performance or reliability of the equipment.
- (4) 110/120Vac~ (+/-10%) 50Hz Models are not part of this evaluation

APPLICABLE REQUIREMENTS

CSA Standards:

CAN/CSA-C22.2 No. 61010-1-12 Update 1 July 2015, and Update 2 April 2016 Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use, Part 1: General Requirements

UL Standards:

UL Std. No. 61010-1 (3rd Edition) Update 1 July 2015, and Update 2 April 2016 Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use - Part 1: General Requirements



Certificate: 70005776

Master Contract: 236433

Project: 70197192

Date Issued: September 26, 2018

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 following markings appear on the product:

1. Submitter's identification (company name and/or file number and/or registered tradename);
2. Marking on the unit that indicates the manufacturing location if the equipment is manufactured at more than one factory location;
3. Model designation;
4. Electrical rating;
5. Date of manufacture: Month and year of manufacture or date code.
6. The products listed are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US, or with adjacent indicator 'US' for US only, or without either indicator for Canada only:



7. Protective earthing TERMINAL is identified by the IEC 60417 No 5019 symbol  , adjacent to the TERMINAL.

The following additional markings are also provided:

1. The warning "DO NOT OPEN WHILST ENERGISED" ("ATTENTION: NE PAS OUVRIR SOUS TENSION");
2. TERMINAL markings: The terminals are identified numerically; terminal number identification is supplied in the form of an inlay card included within the terminal enclosure which cross references with a wiring diagram supplied with each piece of equipment

Product markings shall be in accordance with the related standards. In addition, it shall be the responsibility of the manufacturer to provide additional markings on the product to comply with the requirements of the local regulatory authorities. For example, in Canada, any caution and warning markings must be provided in French and English.

Marking Method: The above markings are made via silk screening, die stamping, moulding or on CSA certified or UL recognized adhesive nameplate material compatible with the surface used, or other equivalent permanent means that can pass the label rub test.



Supplement to Certificate of Compliance

Certificate: 70005776

Master Contract: 236433

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 |
|----------------|--------------------|---|
| 70197192 | September 26, 2018 | Update to Report 70005776 is to reflect the correct Motor Thermal Protections, TF1 & TF2, from Microtherm, Type T11A (L310), which are originally fitted and tested in the motor during assessment. The thermal protection from Thermik, Type S01-130.05 (corrected temperature cut-off to 130°C), which has been reflected in this report, does not need additional testing. These two manufactures have the same safety critical parameters. Corrected statements on Mode of operation to reflect the specific actual assessment rather than a general restriction under Note 2 on Page 1 and Item 4 of Conditions of Acceptability. And corrected equipment's weight from 1385kg to actual weight of 45.5kg. |
| 70005776 | March 19, 2018 | Original Certification the Rotork SI-3.3 Electric Fail-Safe Actuators. |