



Certificate of Compliance

Certificate: 70183150

Master Contract: 153247


Project: 70183150

Date Issued: January 24, 2020

Issued to: Rotork Controls Inc.
675 Mile Crossing Blvd
Rochester, NY 14624
USA
Attention: Matt Cogill

The products listed below 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




Issued by: R Rosales

PRODUCTS

CLASS 2252 06 - PROCESS CONTROL EQUIPMENT

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

CVA Series Electric Valve Actuators, Models CVQ and CVL, comprise of 3 sizes (Size 2, 3 & 4), Rated 110 to 240Vac, 50Hz, 2.0A max or 100 to 240Vac, 60Hz, 2A max or 24Vdc, 7.0A max. Optional User Terminal of 120Vac or 24Vdc, 3A, Output signal of 24Vdc, 4-20mA. Ambient temperature range of -40°C to +60°C, Type 4, 4X and 6.

Notes:

1. The above model is permanently connected, Equipment Class I, Pollution Degree 2, Overvoltage Category II.
2. Maximum 2000 meter altitude.
3. Mode of Operation: S9 continuous



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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

CAN/CSA-C22.2 No. 94.2 2nd Edition, October 2015 Enclosures for Electrical Equipment, Environmental Considerations

UL Standards:

UL Std. No. 61010-1, 3rd Edition, 2012 Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use - Part 1: General Requirements

UL Std. No. 50E, 2nd Edition, October 2015 Enclosures for Electrical Equipment, Environmental Considerations

CONDITIONS OF ACCEPTABILITY:

1. Protective Bonding Construction shall be in accordance to CSA 0.4 and to be considered at end-application. Equipment is provided external protective bonding kit and internal M6 screw and tagged with Protective Earthing Symbol.
2. The scope of this approval does not include any safety related function or reliability of the equipment.
3. A switch or circuit breaker must be included in the wiring installation to the actuator. The switch or circuit breaker shall be mounted as close to the actuator as possible and shall be marked to indicate that it is the disconnect device for that particular actuator
4. User Terminal Protection circuit shall be considered at end application.
5. CVL Size 4 has an output considered as non-Limited Energy Circuit. Output control wirings shall have suitable flammability rating and shall be considered at end-application.
6. Cable Glands to be used in the equipment shall be separately Type rated.
7. In transit blanking plug shall be removed during installation and shall be replaced with recognized blanking plug or cable gland according to enclosure type rating marked on the equipment.
8. Equipment is only to be installed by trained personnel.
9. Equipment may be weighing more than 18kgs. Handling/Lifting and moving these equipment shall be considered at end-application.
10. 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



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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 following marking details appear:

- CSA Monogram;
- Company name;
- Model number;
- Serial number or Date Code
- Electrical Input Rating
- Relay Contact Ratings
- Valve load parameters
- Special Purpose Enclosure Ratings: “Type 4X, 6”
- Ambient Temperature (“Tamb -40 °C to +60 °C” or equivalent)
- The statement: “WARNING – Do not open when an energized”
- The statement: “Cable entry temperature can reach 66°C in a 60°C ambient temperature”
- A statement specifying the use of AMP “Pro Crimper III” crimp tool fitted with 58423-1 die set for connection of field wiring to field wiring ring terminals (appears in referenced installation manual)
- A statement specifying the use of maximum 16 AWG size field wiring (appears in referenced installation manual)
- International Caution symbol  (ISO 3864, No. B.3.1), for direction of user to instruction manual.

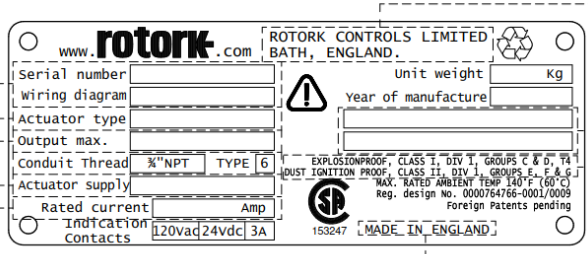
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Copy of marking plate:

The artwork below may be only a draft. The use of certification marks on a product must be authorized by the respective NCBs that own these marks.

MAIN LABEL DETAILS



ENTRIES IN THESE BOXES ARE FOR ROTORK REFERENCE ONLY --

ENTER ACTUATOR TYPE, EITHER CVL500 or CVQ1200

ENTRIES IN THESE BOXES ARE FOR ROTORK REFERENCE ONLY --

110 TO 240Vac, SINGLE PHASE, 50Hz
 100 TO 240Vac, SINGLE PHASE, 60Hz
 24Vdc

2A FOR 110 TO 240Vac, 50Hz
 2A FOR 100 TO 240Vac, 60Hz
 7A DC FOR 24Vdc

ALTERNATIVE ADDRESS:
 ROTORK CONTROLS INC.
 675 MILE CROSSING BLVD.
 ROCHESTER NY. 14624

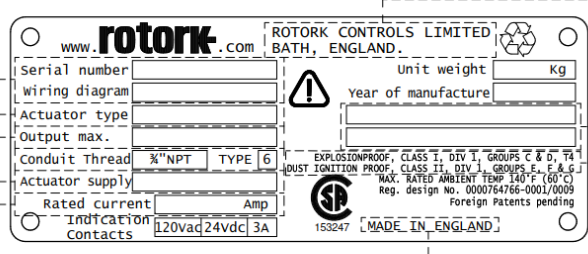
ENTRIES IN THESE BOXES ARE FOR ROTORK REFERENCE ONLY --

EX MARKING FOR HAZARDOUS AREAS ONLY

ALTERNATIVE: PRODUCT OF USA

MATERIAL: ALUMINIUM BS1470 NS4
 BACKGROUND TO BE BLACK.
 SYMBOLS, LINES AND CHARACTERS TO BE ALUMINIUM
 TEXT & SYMBOLS TO BE EITHER LASER OR CHEMICALLY ETCHED.

MAIN LABEL DETAILS



ENTRIES IN THESE BOXES ARE FOR ROTORK REFERENCE ONLY --

ENTER ACTUATOR TYPE, EITHER CVL1000, CVL1500 or CVQ2400

ENTRIES IN THESE BOXES ARE FOR ROTORK REFERENCE ONLY --

110 TO 240Vac, SINGLE PHASE, 50Hz
 100 TO 240Vac, SINGLE PHASE, 60Hz
 24Vdc

2A FOR 110 TO 240Vac, 50Hz
 2A FOR 100 TO 240Vac, 60Hz
 7A DC FOR 24Vdc

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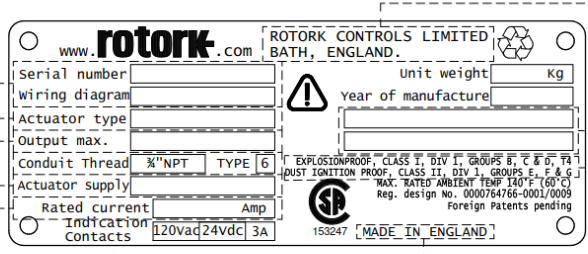
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MAIN LABEL DETAILS



ENTRIES IN THESE BOXES ARE FOR ROTORK REFERENCE ONLY --

ENTER ACTUATOR TYPE, CVL5000

ENTRIES IN THESE BOXES ARE FOR ROTORK REFERENCE ONLY --

110 TO 240Vac, SINGLE PHASE, 50Hz
 100 TO 240Vac, SINGLE PHASE, 60Hz
 24Vdc

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 2A FOR 100 TO 240Vac, 60Hz
 7A DC FOR 24Vdc

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Nameplate adhesive label material approval information:

N/A – No adhesive used.