



Certificate of Compliance

Certificate: 2665614

Master Contract: 259102

Project: 70189312

Date Issued: 2018-11-7

Issued to: Rotork Actuation (Shanghai) Co.,Ltd.
 Building G, No.260 Liancao Road, Minhang District
 Shanghai, 020 201108
 China
 Attention: Mr. Johnson Jiang

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:

Tracy Geng, certifier

PRODUCTS

CLASS 2252 06 - PROCESS CONTROL EQUIPMENT
 CLASS 2252 86 - PROCESS CONTROL EQUIPMENT (Certified to U.S. Standards)

Electrical Valve Actuator, permanently connected, grounded

Models	Input			Duty Cycle (Seconds)	
	V	A	Frequ ency	50Hz	60Hz
ROMpakA Consists of - ROMA - Pak part	12 V dc	1.2	-	Max. on 30s, Min. off 90s	
	24 V dc	0.6	-	Max. on 30s, Min. off 90s	
	110-120 V ac (1ph)	0.5	50/60 Hz	Max. on 22s, Min. off 98s	Max. on 19s, Min. off 101s



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	220-240 V ac (1ph)	0.23	50/60 Hz	Max. on 22s, Min. off 98s	Max. on 19s, Min. off 101s
ROMpak1 Consists of - ROM1 - Pak part	12 V dc	1.2	-	Max. on 20s, Min. off 100s	
	24 V dc	0.6	-	Max. on 20s, Min. off 100s	
	110-120 V ac (1ph)	0.5	50/60 Hz	Max. on 15s, Min. off 105s	Max. on 13s, Min. off 107s
	220-240 V ac (1ph)	0.23	50/60 Hz	Max. on 15s, Min. off 105s	Max. on 13s, Min. off 107s
ROMpakH-1 Consists of - ROMH-1 - Pak part	12 V dc	1.2	-	Max. on 5.5s, Min. off 114.5s	
	24 V ac	0.65	-	Max. on 4.5s, Min. off 115.5s	
ROMpakH-2 Consists of - ROMH-2 - Pak part	24 V dc	0.65	-	Max. on 4.5s, Min. off 115.5s	
ROMpakH-3 Consists of - ROMH-3 Pak part	110-120 V ac (1ph)	0.36	50/60 Hz	Max. on 4.5s, Min. off 115.5s	Max. on 4.3s, Min. off 115.7s
	220-240 V ac (1ph)	0.23	50/60 Hz	Max. on 4.5s, Min. off 115.5s	Max. on 4.3s, Min. off 115.7s
ROMpak2 Consists of - ROM2 - Pak part	12 V dc	2.5	-	Max. on 17s, Min. off 103s	
	24 V dc	1.1	-	Max. on 17s, Min. off 103s	
	110-120 V ac (1ph)	1.2	50/60 Hz	Max. on 17s, Min. off 103s	Max. on 15s, Min. off 105s
	220-240 V ac (1ph)	0.65	50/60 Hz	Max. on 17s, Min. off 103s	Max. on 15s, Min. off 105s
	220-240 V ac (3phs)	1.3	50/60 Hz	Max. on 16s, Min. off 104s	Max. on 14s, Min. off 106s
	380 V ac (3phs)	0.45	50/60 Hz	Max. on 16s, Min. off 104s	Max. on 14s, Min. off 106s
ROMpak3 Consists of - ROM3 - Pak part	440-480 V ac (3phs)	0.58	50/60 Hz	Max. on 16s, Min. off 104s	Max. on 14s, Min. off 106s
	12 V dc	3.2	-	Max. on 28s, Min. off 152s	
	24 V dc	1.5	-	Max. on 28s, Min. off 152s	
	110-120 V ac (1ph)	1.2	50/60 Hz	Max. on 28s, Min. off 152s	Max. on 24s, Min. off 156s
	220-240 V ac (1ph)	0.65	50/60 Hz	Max. on 28s, Min. off 152s	Max. on 24s, Min. off 156s
	220-240 V ac (3phs)	1.3	50/60 Hz	Max. on 26s, Min. off 154s	Max. on 22s, Min. off 158s
	380 V ac (3phs)	0.45	50/60 Hz	Max. on 26s, Min. off 154s	Max. on 22s, Min. off 158s



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	440-480 V ac (3phs)	0.58	50/60 Hz	Max. on 26s, Min. off 154s	Max. on 22s, Min. off 158s
ROMpak4 Consists of - ROM4 - Pak part	12 V dc	11	-	Max. on 26s, Min. off 154s	
	24 V dc	5.5	-	Max. on 23s, Min. off 157s	
	110-120 V ac (1ph)	2.3	50/60 Hz	Max. on 20s, Min. off 160s	Max. on 17s, Min. off 163s
	220-240 V ac (1ph)	0.85	50/60 Hz	Max. on 20s, Min. off 160s	Max. on 17s, Min. off 163s
	220-240 V ac (3phs)	2.45	50/60 Hz	Max. on 20s, Min. off 160s	Max. on 17s, Min. off 163s
	380 V ac (3phs)	0.7	50/60 Hz	Max. on 20s, Min. off 160s	Max. on 17s, Min. off 163s
	440-480 V ac (3phs)	0.9	50/60 Hz	Max. on 20s, Min. off 160s	Max. on 17s, Min. off 163s
ROMpak5 Consists of - ROM5 - Pak part	12 V dc	11	-	Max. on 33s, Min. off 147s	
	24 V dc	5.5	-	Max. on 30s, Min. off 150s	
	110-120 V ac (1ph)	2.3	50/60 Hz	Max. on 26s, Min. off 154s	Max. on 22s, Min. off 158s
	220-240 V ac (1ph)	0.85	50/60 Hz	Max. on 26s, Min. off 154s	Max. on 22s, Min. off 158s
	220-240 V ac (3phs)	2.45	50/60 Hz	Max. on 26s, Min. off 154s	Max. on 22s, Min. off 158s
	380 V ac (3phs)	0.7	50/60 Hz	Max. on 26s, Min. off 154s	Max. on 22s, Min. off 158s
	440-480 V ac (3phs)	0.9	50/60 Hz	Max. on 26s, Min. off 154s	Max. on 22s, Min. off 158s
ROMpak6 Consists of - ROM6 - Pak part	12 V dc	11	-	Max. on 42s, Min. off 138s	
	24 V dc	5.5	-	Max. on 38s, Min. off 142s	
	110-120 V ac (1ph)	2.3	50/60 Hz	Max. on 33s, Min. off 147s	Max. on 28s, Min. off 152s
	220-240 V ac (1ph)	0.85	50/60 Hz	Max. on 33s, Min. off 147s	Max. on 28s, Min. off 152s
	220-240 V ac (3phs)	2.45	50/60 Hz	Max. on 33s, Min. off 147s	Max. on 28s, Min. off 152s
	380 V ac (3phs)	0.7	50/60 Hz	Max. on 33s, Min. off 147s	Max. on 28s, Min. off 152s
	440-480 V ac (3phs)	0.9	50/60 Hz	Max. on 33s, Min. off 147s	Max. on 28s, Min. off 152s
ROMpak7 Consists of - ROM7 - Pak part	12 V dc	11	-	Max. on 46s, Min. off 134s	
	24 V dc	5.5	-	Max. on 46s, Min. off 134s	
	110-120 V ac (1ph)	2.3	50/60 Hz	Max. on 40s, Min. off 140s	Max. on 34s, Min. off 146s



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	220-240 V ac (1ph)	0.85	50/60 Hz	Max. on 40s, Min. off 140s	Max. on 34s, Min. off 146s
	220-240 V ac (3phs)	2.45	50/60 Hz	Max. on 40s, Min. off 140s	Max. on 34s, Min. off 146s
	380 V ac (3phs)	0.7	50/60 Hz	Max. on 40s, Min. off 140s	Max. on 34s, Min. off 146s
	440-480 V ac (3phs)	0.9	50/60 Hz	Max. on 40s, Min. off 140s	Max. on 34s, Min. off 146s

Notes:

1. The above model is cord/permanently connected, Equipment Class I, Pollution Degree II, Measurement Category II.
2. Mode of operation: Duty cycle
3. Environmental Conditions: Normal: -30 to 65 C, 2000 m max, 30% - 95% rH



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

CONDITIONS OF ACCEPTABILITY

- (1) Equipment is not to be used with flammable liquids.
- (2) Equipment has only been tested for electrical safety. No evaluation of functional safety and performance characteristics has been conducted. (For i.e. process control equipment where reliability could be an issue)
- (3) Proper circuit breakers are specified in installation manual and readily accessible to users.



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
70189312	2018-11-7	Update Report to add alternative motors and control switches, add new models ROMpakH-1, ROMpakH-2, ROMpakH-3 and ROMpak7. Update ratings and upgrade standard to 3 rd edition.
2665614	January 02, 2014	Original Certification