



Certificate of Compliance

Certificate: 80238391

Master Contract: 607886

Project: 80238391

Date Issued: 2025-01-24

Issued To: Kinetic Valve Inc.

247 Carrier Drive, 4 Unit
Etobicoke, Ontario M9B 5Y9
Canada

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: Morton Ma
Morton Ma

PRODUCTS

CLASS - C322802 - VALVES Actuators - For Hazardous Locations

CLASS - C322882 - VALVES Actuators - For Hazardous Locations-Certified to U.S. Standards

Class I, Division 1, Groups C and D T5/T6

Ex db IIC T5/T6 Gb

Class I, Zone 1, AEx db IIC T5/T6 Gb

APPLICABLE REQUIREMENTS

PRO EXQ 44/88/177/354/531 series explosion-proof actuator with Temp. Code is T5/T6, $-25^{\circ}\text{C} \leq \text{Tamb} \leq 55^{\circ}\text{C}/50^{\circ}\text{C}$, Motorized, Part-turn 90 Deg, General purpose, 6000 cycles, enclosure TYPE 4X for indoor and outdoor.



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The models as below:

LISTEE'S MODELS	Torque	Voltage	Fre. [Hz]	Duty Cycle
PRO ExQ - 44A - 24AC	50 Nm	24 VAC	50/60	70%
PRO ExQ - 44A - 110AC	50 Nm	110 VAC	50/60	70%
PRO ExQ - 44A - 220AC	50 Nm	220 VAC	50/60	70%
PRO ExQ - 44B - 110AC	50 Nm	110 VAC	50/60	70%
PRO ExQ - 44B - 220AC	50 Nm	220 VAC	50/60	70%
PRO ExQ - 44E - 110AC	50 Nm	110 VAC	50/60	70%
PRO ExQ - 44E - 220AC	50 Nm	220 VAC	50/60	70%
PRO ExQ - 44C - 110AC	50 Nm	110 VAC	50/60	70%
PRO ExQ - 44C - 220AC	50 Nm	220 VAC	50/60	70%
PRO ExQ - 44D - 24DC	50 Nm	24 VDC	--	70%
PRO ExQ - 44F - 24DC	50 Nm	24 VDC	--	70%
PRO ExQ - 88A - 24AC	100 Nm	24 VAC	50/60	70%
PRO ExQ - 88A - 110AC	100 Nm	110 VAC	50/60	70%
PRO ExQ - 88A - 220AC	100 Nm	220 VAC	50/60	70%
PRO ExQ - 88B - 110AC	100 Nm	110 VAC	50/60	70%
PRO ExQ - 88B - 220AC	100 Nm	220 VAC	50/60	70%
PRO ExQ - 88E - 110AC	100 Nm	110 VAC	50/60	70%
PRO ExQ - 88E - 220AC	100 Nm	220 VAC	50/60	70%
PRO ExQ - 88C - 110AC	100 Nm	110 VAC	50/60	70%
PRO ExQ - 88C - 220AC	100 Nm	220 VAC	50/60	70%
PRO ExQ - 88D - 24DC	100 Nm	24 VDC	--	70%
PRO ExQ - 88F - 24DC	100 Nm	24 VDC	--	70%
PRO ExQ - 177A - 110AC	200 Nm	110 VAC	50/60	70%
PRO ExQ - 177A - 220AC	200 Nm	220 VAC	50/60	70%
PRO ExQ - 177B - 110AC	200 Nm	110 VAC	50/60	70%
PRO ExQ - 177B - 220AC	200 Nm	220 VAC	50/60	70%
PRO ExQ - 177E - 110AC	200 Nm	110 VAC	50/60	70%
PRO ExQ - 177E - 220AC	200 Nm	220 VAC	50/60	70%
PRO ExQ - 177C - 110AC	200 Nm	110 VAC	50/60	70%
PRO ExQ - 177C - 220AC	200 Nm	220 VAC	50/60	70%
PRO ExQ - 177D - 24DC	200 Nm	24 VDC	--	70%
PRO ExQ - 177F - 24DC	200 Nm	24 VDC	--	70%
PRO ExQ - 354A - 110AC	400 Nm	110 VAC	50/60	70%



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PRO ExQ - 354A - 220AC	400 Nm	220 VAC	50/60	70%
PRO ExQ - 354B - 110AC	400 Nm	110 VAC	50/60	70%
PRO ExQ - 354B - 220AC	400 Nm	220 VAC	50/60	70%
PRO ExQ - 354E - 110AC	400 Nm	110 VAC	50/60	70%
PRO ExQ - 354E - 220AC	400 Nm	220 VAC	50/60	70%
PRO ExQ - 354C - 110AC	400 Nm	110 VAC	50/60	70%
PRO ExQ - 354C - 220AC	400 Nm	220 VAC	50/60	70%
PRO ExQ - 354D - 24DC	400 Nm	24 VDC	--	70%
PRO ExQ - 354F - 24DC	400 Nm	24 VDC	--	70%
PRO ExQ - 531A - 110AC	600 Nm	110 VAC	50/60	70%
PRO ExQ - 531A - 220AC	600 Nm	220 VAC	50/60	70%
PRO ExQ - 531B - 110AC	600 Nm	110 VAC	50/60	70%
PRO ExQ - 531B - 220AC	600 Nm	220 VAC	50/60	70%
PRO ExQ - 531E - 110AC	600 Nm	110 VAC	50/60	70%
PRO ExQ - 531E - 220AC	600 Nm	220 VAC	50/60	70%
PRO ExQ - 531C - 110AC	600 Nm	110 VAC	50/60	70%
PRO ExQ - 531C - 220AC	600 Nm	220 VAC	50/60	70%

CONDITIONS OF ACCEPTABILITY:

1. The cable entry point or branching point is higher than 60°C, the end user shall follow user manual and select the properly cable, cable gland or conductors in conduit.
2. The minimum yield strength and minimum tensile strength of special fastener are 450MPa and 700MPa.
3. The maximum load allowed is 50Nm (PRO ExQ - 44 Series), 100Nm (PRO ExQ - 88 Series), 200Nm (PRO ExQ - 177 Series), 400Nm (PRO ExQ - 354 Series) and 600Nm (PRO ExQ - 531 Series).
4. The lens fixed plate cannot be loosed or removed any time.
5. When the products are intended to be installed in the hazardous locations classified according to division rules , the TSE3854DS-W potted compound cannot be used to an atmosphere containing Acetic Acid (Glacial) saturated vapors, and the WCC-87 potted compound cannot be used to an atmosphere containing saturated vapors as below: Acetic Acid (Glacial), Acetone, Ammonium Hydroxide (20% by weight), ASTM reference fuel C, Diethyl Ether, Ethyl Acetate, Ethylene Dichloride, Furfural, n-Hexane, Methyl Ethyl Ketone, Methanol, 2-Nitropropane and Toluene.
6. Temperature code depends on ambient temperature as follows:

Type	T-code	Ambient Temperature
PRO ExQ - 44/88/177/354/531 series explosion-proof actuator	T5	-25°C - +55°C
	T6	-25°C - +50°C

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APPLICABLE REQUIREMENTS

CAN/CSA C22.2 No. 30-M1986 (Reaffirmed 2016)	Explosion-proof enclosures for use in class I hazardous locations
CAN/CSA C22.2 No. 145-11 (Reaffirmed 2015)	Electric Motors and Generators for Use in Hazardous (Classified) Locations
CSA C22.2 No. 139-13	Electrically Operated Valves
CSA C22.2 No.60079-0-2019	Explosive atmospheres – Part 0: Equipment – General requirements
CSA C22.2 No.60079-1-2016	Explosive atmospheres – Part 1: Equipment protection by flameproof enclosures “d”
UL 674 Fifth Edition	Electric Motors and Generators for Use in Hazardous (Classified) Locations
UL 1203-2013	Explosion-Proof and Dust-Ignition-Proof Electrical Equipment for Use in Hazardous (Classified) Locations
UL 60079-0:2020	Explosive atmospheres – Part 0: Equipment – General requirements
UL 60079-1:2020	Explosive atmospheres – Part 1: Equipment protection by flameproof enclosures “d”
UL 429 (Seventh Edition)	Electrically Operated Valves
CAN/CSA C22.2 No. 30-M1986 (Reaffirmed 2016)	Explosion-proof enclosures for use in class I hazardous locations
CAN/CSA C22.2 No. 145-11 (Reaffirmed 2015)	Electric Motors and Generators for Use in Hazardous (Classified) Locations
CSA C22.2 No. 139-13	Electrically Operated Valves

MARKINGS

Each unit shall bear all the required markings identified in the applicable certification report(s).

Note: The Listee's name and/or CSA file number shall replace the submittor's equivalent information (where applicable).

Notes:

Products certified under Class C322802, C322882 have been certified under CSA's ISO/IEC 17065 accreditation with the Standards Council of Canada (SCC). www.scc.ca

