



Mini Electric Part Turn Motor

Actuator



Summary

"AOX-VR" series are mini electric part turn motor actuators developed by AOX. The standard stroke is 0-90° , and 0-180° ,0-270° can be made optionally. It is applicable to petroleum, chemical, power generation, military and other situations. It can be equipped with butterfly valves, ball valves, dampers and other valves.

Product Introduction of the mini electric part turn motor actuator

"AOX-VR" series mini electric part turn motor actuators can be optionally equipped with explosion-proof actuators (Exd II CT5), potentiometers (1K-10K), proportional control units (input, output 4-20mA DC), field control units (process control on/off/off selector switch), DC motors (24V DC), waterproof enclosures (IP68,10M, 250HR), additional torque switches (SPDT X 2 250V AC 10A), high-temperature resistant actuators (- 10 °C ~+100 °C) Low temperature resistant actuator (- 60 °C ~+30 °C), low speed actuator, bus control unit.

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Product Parameter (Specification)of the mini electric part turn motor actuator

Torque range:	50-600nm
Enclosure:	protection grade is IP67 (optional IP68), NEMA 4 and 6
Motor power supply:	110 / 220V AC 1phase, 380 / 440V AC 3phase, 50 / 60Hz, $\pm 10\%$
Control power	110 / 220V AC 1phase, 50 / 60 Hz, $\pm 10\%$

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supply:	
Failure protection / operating temperature:	built in thermal protection, on 120 °C±5 °C / off 97 °C±5 °C
Dryer:	25-30w (220V AC) anti condensation
Mechanical limit:	2 external adjusting bolts
Torque switch:	2 x open / close, SPDT, 250V AC 10A (optional)
Stall protection / operating temperature:	built in thermal protection, on 120 °C±5 °C / off 97 °C±5 °C
Manual operation:	mechanical handle
Self locking device:	worm gear and worm mechanism provide self-locking
Output shaft:	the drive shaft sleeve can be disassembled and processed according to needs, with strong adaptability. It can be installed vertically or horizontally.
Handle:	reliable, labor-saving, small size
Mechanical limit:	2 external adjusting bolts
Ambient temperature:	- 25 °C - + 70 °C; (- 30 °C, - 40 °C, - 60 °C) optional)
Ambient humidity:	Max 90% RH; Non condensing
Seismic performance:	X Y Z 10g, 0.2 ~ 34 Hz, 30 minutes
Consistency with EC Directive:	The following harmonized standards: General emission standard for industrial environment EN61000-6-4; General anti-interference standard for industrial environment EN61000-6-4; Rotating electrical machine standard EN60034-1

Model	Maximum Output Torque	Action Time:	Output Shaft		Motor Class H	Rated Current (A) 50HZ	Weight
	N • M	(90°)	MM		(W)	220V	(kg)
AOX-VR-005	50	30	Max Φ 16	Max 17×17	10	0.23	4.7
AOX-VR-008	80	60	Max Φ 16	Max 17×17	10	0.23	4.7
AOX-VR-010	100	30	Max Φ 16	Max 17×17	15	0.40	5.5
AOX-VR-01	150	60	Max Φ	Max 17×	15	0.40	5.5

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AOX-VR-020	200	30	Max Φ 30	Max 27 \times 27	60	0.48	15
AOX-VR-030	300	30	Max Φ 30	Max 27 \times 27	60	0.52	15
AOX-VR-040	400	30	Max Φ 30	Max 27 \times 27	60	0.59	15
AOX-VR-060	600	60	Max Φ 30	Max 27 \times 27	60	0.52	15

Product Feature And Application of the mini electric part turn motor actuator

Other manufacturers	The "AOX-VR" series
	
<p>Capacitance: AC 450V, at high voltages the capacitor will break down.</p>	<p>Capacitor: AC500V, the capacitor is made of branded product with reliable quality and stable performance.</p>

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R & D capability of the mini electric part turn motor actuator



Since 1997, AOX has set up a technical R&D centre and invested considerable resources in the development of the “AOX-VR” range of waterproof quarter-turn electric actuators, bringing in high tech personnel and collaborating with universities and research institutes to introduce advanced equipment.

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