



New Automation Part Turn Electric Actuator

Summary

The "AOX-VR" series new automation part turn electric actuators is a high-quality product that has undergone multiple R&D and upgrading in the 25 year history of AOX. After many years of practical use, it has solved most of the use problems and won extensive praise from customers. It is applicable to valve switch and regulation control with 0-90 ° action.

Product Introduction of the new automation part turn electric actuator

The "AOX-VR" series new automation part turn electric actuators use torque sensors. Once the torque is set, the ejector compression spring trips to the switch. Because this unique system is mechanically frictionless and can achieve excellent accuracy and repeatability, the equipment can operate reliably for a long time without the support of accessories, such as batteries.

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Product Parameter (Specification)of the new automation part turn electric actuator

Torque range:	50-600nm
Enclosure:	protection grade is IP67 (optional IP68), NEMA 4 and 6
Position indicator:	in case of power failure, the valve position dial can display continuous position change
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
Connection port:	2 M20 * 1.5
Auxiliary limit switch:	2 x open / close, SPDT, 250V AC 10A
Torque switch:	2 x open / close, SPDT, 250V AC 10A (optional)
Travel:	90 ° ~ 270 ° ± 10 ° (specify in advance if the travel is above 90 °); 0 ° ~ 270 ° (optional)
Stall protection / operating temperature:	built in thermal protection, on 120 °C±5 °C / off 97 °C±5 °C
Indicators:	switch indicators
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)
Lubrication:	aluminum base grease (EP type)
Materials:	steel, aluminum alloy, aluminum bronze, polycarbonate, ABS
Seismic performance:	X Y Z 10g, 0.2 ~ 34 Hz, 30 minutes
Outer coating:	dry powder, epoxy polyester

Model	Maximum Output Torque	Action Time:	Output Shaft		Motor Class H	Rated Current (A) 50HZ	Weight (kg)
	N • M	(90°)	MM		(W)	220V	
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

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AOX-VR-015	150	60	Max Φ 16	Max 17 \times 17	15	0.40	5.5
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 new automation part turn electric actuator

Other manufacturers	The "AOX-VR" series
	
<p>Regulated modules are built in and the electronic components are affected by the temperature generated during operation. The modules tend to get hot and have poor heat dissipation.</p>	<p>The adjustable module is mounted externally and the bare board dissipates heat better, solving the contradiction that the maximum temperature of the actuator is 120°C while the temperature of the electronic elements of the module is only 70°C.</p>

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Company that manufactures new automation part turn electric actuator



The company is a high-tech enterprise specializing in the production of electric actuators for nearly 20 years, integrating design, research and development, production, sales, after-sales service and training. The annual production capacity is more than 60,000 units. The products are widely used in petroleum and chemical industry, water treatment, shipbuilding, paper, power stations, light industry and other fields. If you are interested in our small quarter turn electric actuator.

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