



Nema 4 electric part turn motor actuator



Nema 4 electric part turn motor actuator is newly designed and developed for especially small ball & plug valves. Over the years, our Nema 4 electric part turn motor actuator have been exported in batches every year, and have been widely and successfully used in water treatment, petroleum, electric power, chemical and other industries. AOX is an electric

actuator **manufacturer** from China. AOX will design and manufacture products solidly and continue our efforts to create more value for customers.



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Nema 4 electric part turn motor actuator Introduction

Nema 4 electric part turn motor actuator is suitable for on-off small ball/plug valves and damper automation. Our products are not only the valve mechanical interface, but also the critical interface in the control system. The modern Nema 4 electric part turn motor actuator control unit meets the security communication requirements of the general field control system. AOX has its own **factory**. Flexible equipment location and configuration to meet various installation needs. We expect to be your long term partner in **China**.

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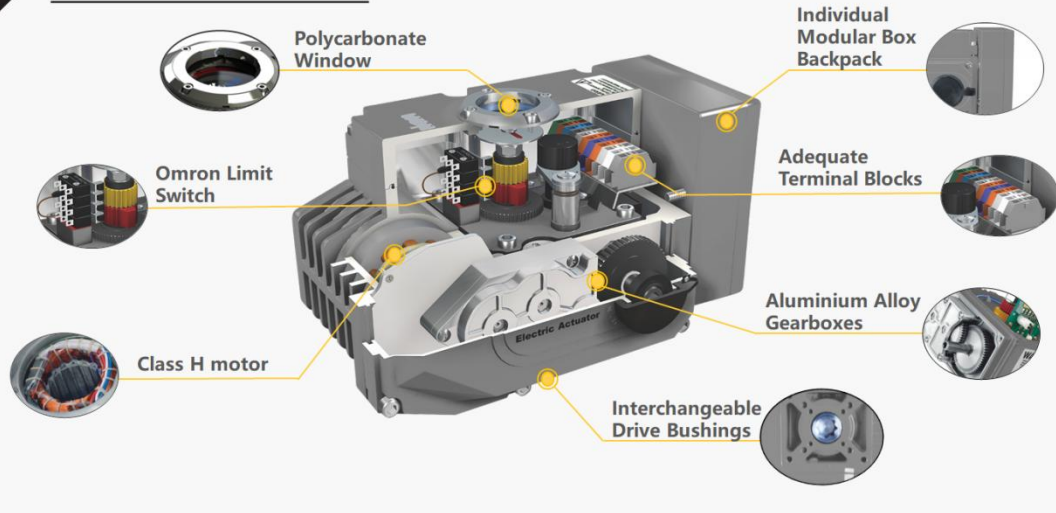
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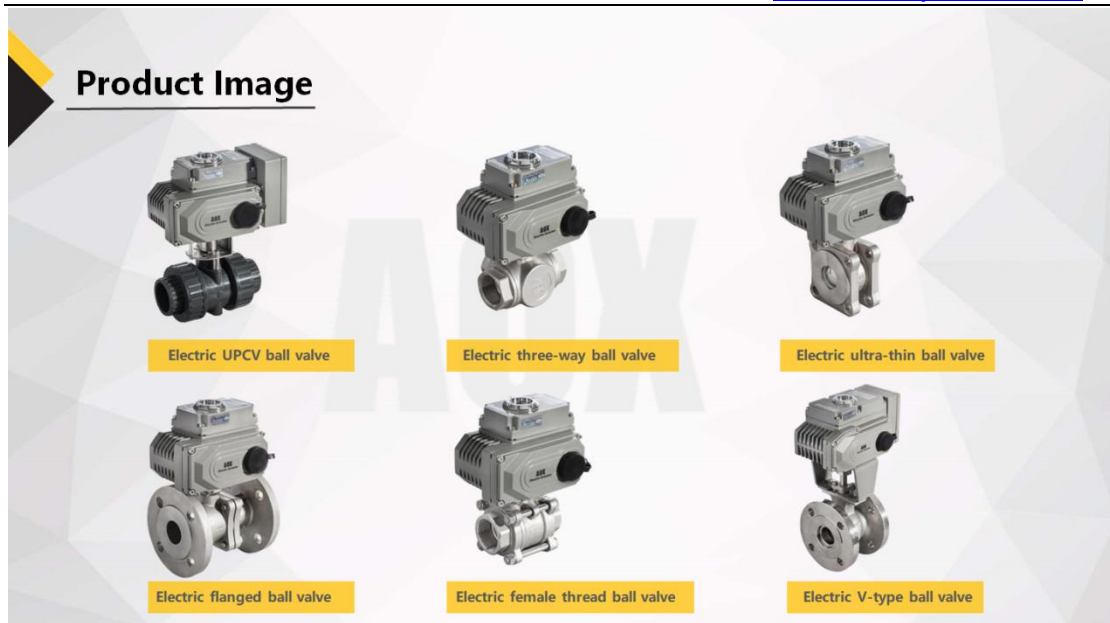
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Structural Features



Product Image





Nema 4 electric part turn motor actuator Parameter (Specification)

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Model	Max output torque	Operating Time 90°	Drive shaft(mm)		Power	Rated current (A)	Weight
	N-M	(90°)	Square	Deep	(W)	220VAC/1ph	(kg)
AOX-R-003	30	20	11×11	15.5	8	0.25	2.1
AOX-R-005	50	30	14×14	18	10	0.24	3.6
AOX-R-008	80	30	14×14	18	10	0.26	3.6
AOX-R-010	100	30	17×17	22.5	15	0.40	4.6
AOX-R-015	150	40	17×17	22.5	15	0.42	4.6
AOX-R-020	200	30	22×22	26	60	0.28	13
AOX-R-030	300	30	22×22	26	60	0.32	13.4
AOX-R-040	400	30	22×22	26	60	0.34	13.8
AOX-R-060	600	40	27×27	32.5	60	0.35	14
AOX-R-080	800	40	27×27	32.5	90	0.56	14.3
AOX-R-100	1000	40	27×27	32.5	90	0.59	14.5
AOX-R-160	1600	60	Max Φ40	65	90	0.60	68
AOX-R-200	2000	60	Max Φ40	65	90	0.62	68
AOX-R-300	3000	120	Max Φ40	65	90	0.64	68
AOX-R-400	4000	200	Max Φ40	65	90	0.66	68
AOX-R-500	5000	200	Max Φ40	65	90	0.67	68

Nema 4 electric part turn motor actuator Feature And Application

Torque range: 30~5000N.m

Switching time: 20~200 S

Protection: IP67, (IP68 optional)

Voltage: AC110~265V , AC / DC 24V Multi voltage input

Single phase: AC220V / AC110V / AC24V / DC24V

Input/output signal (modulating type9:4-20mA(std configuration);0-10V &2-10V is optional.

Local Control Unit: Local control knob of open/close/stop, switch knob of close control remote control/Bus control(non-intrusive)

Display Mode: LCD, indication of opening(0-100%) and open/close fault.

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Comparison With Other Products (Eight Major Improvements)

Other manufacturers	Description	Other manufacturers	Description
	The gasket is easily deformed by temperature and other reasons, resulting in reduced sealing performance, which is not very aesthetically pleasing.		The combination of upper and lower cover adopts concave and convex structure, inner gasket O-ring, strong sealing performance, beautiful appearance, high protection level, more convenient for debugging and wiring, only need to open the upper cover
	The use of chemical adhesives may lead to ageing and water ingress due to high temperatures and pressures on site, and the plastic and glazing are easily damaged.		Convex mirror surface, no water accumulation, and continuous valve opening indication, more convenient observation, external metal, not easy to damage
	Ordinary terminal blocks, in the field of temperature difference or vibration, will cause the fastening screws to loosen, resulting in poor contact phenomenon.		The use of self-actuating pop-up terminals guarantees absolute reliability and is a symbol of high-end products.
	The gearboxes are made of plastic, and individual manufacturers use powder alloys for the gears, which are prone to wear.		The gearbox is made of 40cr, refined by three heat treatments, more solid and reliable

Patent No.: ZL 2013 3 0145624.9
 ZL 2013 3 0145691.0
 ZL 2013 3 0112341.4
 ZL 2013 3 0112302.4



Comparison With Other Products (Eight Major Improvements)

	Spanner not fixed to the case, easily lost		The spanner is placed on the box, so it is not easily lost on site and is easy to use
	Regulated modules have built-in, electronic components that are affected by the temperature generated during operation.		The adjustment module is mounted externally and the bare board dissipates heat better. From the contribution that the maximum temperature of the actuator is 120°C within the temperature of the electronic elements of the module is only 65°C. The weak control power supply is used and the quality of the module will not be affected by the unstable voltage on site.
	The screws of other manufacturers' housings are not equipped with an anti-dislodgement function, which can easily lead to the dislodgement of the screws during maintenance when removing the housing at height.		The top cover bolts are specially designed not to come off during maintenance and installation. All external bolts are made of stainless steel and will not rust
	Other manufacturers use M3 screws for unrealistic positioning, inaccurate, slippery threads, M3 spanners are not easy to find on site and other drawbacks.		AOX has improved the electrical cam structure by integrating the four cams into two and isolating them with a butterfly shaped bullet, topped with an anti-loosening nut, and using imported Omron travel switches.

Patent No.: ZL 2013 3 0111005.8
 ZL 2013 3 0111120.5
 ZL 2013 3 0111352.0



Nema 4 electric part turn motor actuator Details

1. Firm corrosion-resistant housing: The shell of Nema 4 electric part turn motor actuator is made of aluminum alloy, with anodic oxidation treatment and polyester powder coating. It is strong corrosion-resistant and enclosure IP67, NEMA 4 and 6, IP68 is optional.

2. ISO 5211 mounting base for Nema 4 electric part turn motor actuator: Wide, easy mounting Zhejiang Aoxiang Auto-Control Technology CO., Ltd

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base standard to ISO5211/DIN3337.

3. Well sealing:By improveing the concave-convex structure of the shell and cover,and sealing with silicone rubber to provide water proof IP67 and IP68(option).

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