



## industrail automation part turn electric actuator



industrail automation part turn electric actuator is designed for the 90 degree turn application such as damper, ball, plug, butterfly valves and other equipment. Driven by 380V/220V/110VAC power or 24V/110VDC power, inputs 4-20mA or 0-10VDC control signal, moves valve to the right position, and achieves to automatic control, maximum output

torque of industrail automation part turn electric actuator is 6000N·M. AOX is a **supplier** of many large enterprises. Based on technical theory and diverse experience, AOX is growing into a first class corporation that leads valve automation industry with cutting-edge technologies.



Zhejiang Aoxiang Auto-Control Technology CO.,Ltd

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## industriail automation part turn electric actuator Introduction

industriail automation part turn electric actuator is suitable for butterfly valve & damper automation. Driven by 380V/220V/110VAC or 24V/110VDC power, inputs 4-20mA or 0-10VDC control signal, moves valve to the right position, and achieves to automatic control, the maximum output torque is 6000Nm. AOX, founded in 1997, is a leading **manufacturer** of electric actuators in Zhejiang Aoxiang Auto-Control Technology CO.,Ltd

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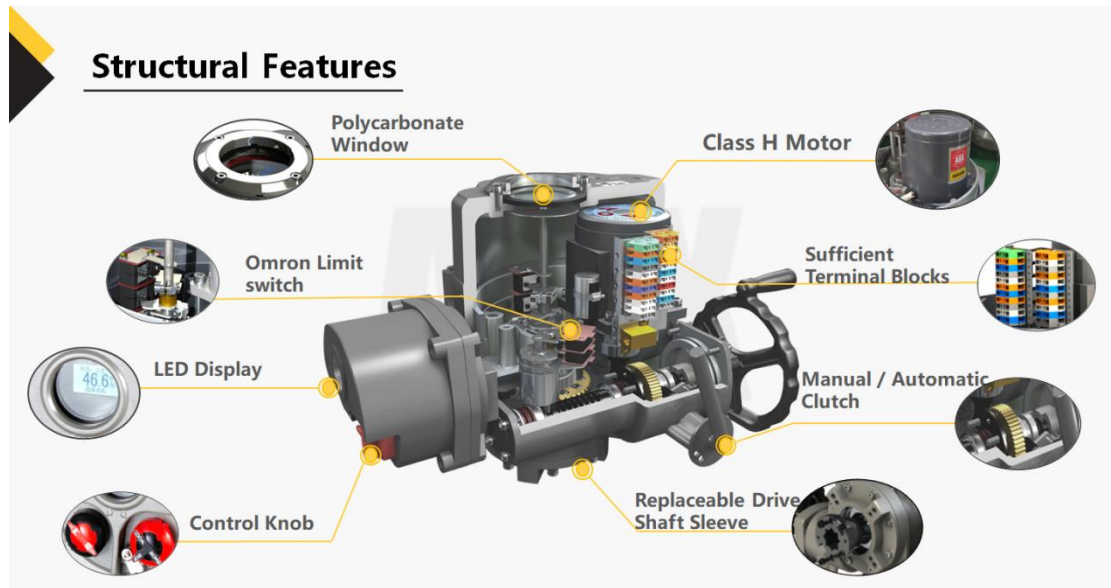
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China. We provide the best quality industrial automation part turn electric actuator with high technology, high performance and satisfactory service.

## Structural Features



## Product Images



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## industriail automation part turn electric actuator Parameter (Specification)

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Model	Max Output Torque	60/50Hz Operating Time	Max Drive Shaft Size	Power	Rated Current (A)				Hand wheel Revolution	Weight
					single phase		three phases			
	N-M	90°	mm	W	110V	220V	380V	440V	N	Kg
AOX-Q-005	50	18/22	Φ20	20	1.10/0.95	0.55/0.54	0.3/0.3	N/A	10	7.5
AOX-Q-008	80	18/22	Φ20	20	1.10/0.95	0.55/0.54	0.3/0.3	N/A	10	7.5
AOX-Q-010	100	18/22	Φ20	20	1.10/0.95	0.55/0.54	0.3/0.3	N/A	10	7.5
AOX-Q-015	150	21/25	Φ20	40	1.65/1.67	0.88/0.84	0.31/0.31	0.30/0.31	11	17.3
AOX-Q-020	200	21/25	Φ20	40	1.67/1.67	0.89/0.85	0.31/0.31	0.30/0.31	11	17.3
AOX-Q-030	300	26/31	Φ32	90	1.85/1.86	0.92/0.92	0.35/0.35	0.34/0.34	13.5	22
AOX-Q-050	500	26/31	Φ32	120	3.60/3.62	1.55/1.58	0.59/0.59	0.58/0.58	13.5	23
AOX-Q-060	600	26/31	Φ32	120	3.65/3.62	1.60/2.20	0.60/0.59	0.59/0.58	13.5	23
AOX-Q-080	800	31/37	Φ40	180	4.10/4.10	2.15/2.20	0.85/0.85	0.79/0.79	16.5	29
AOX-Q-120	1200	31/37	Φ40	180	4.20/4.10	2.35/2.30	0.87/0.87	0.81/0.81	16.5	29
AOX-Q-150	1500	78/93	Φ40	120	3.65/3.62	1.60/2.20	0.60/0.59	0.59/0.58	40.5	77
AOX-Q-200	2000	93/112	Φ40	180	4.10/4.10	2.15/2.20	0.85/0.85	0.79/0.79	49.5	83
AOX-Q-300	3000	93/112	Φ40	180	4.20/4.10	2.35/2.30	0.87/0.87	0.81/0.81	49.5	83
AOX-Q-400	4000	155/185	Φ40	180	4.20/4.10	2.35/2.30	0.87/0.87	0.81/0.81	82.5	83
AOX-Q-500	5000	155/185	Φ40	180	4.20/4.10	2.35/2.30	0.87/0.87	0.81/0.81	82.5	83
AOX-Q-600	6000	155/185	Φ40	180	4.20/4.10	2.35/2.30	0.87/0.87	0.81/0.81	82.5	83

## industrial automation part turn electric actuator Feature And Application

Torque range: 50~6000N.m

Operation time: 22~185 S

Ambient temperature: -20°C~+70°C

Control method: On and off / modulating type/ Intelligent type

Weight: 7.5 KGS~83 KGS

Protection: IP67, (IP68 optional)

Manual Override: Yes

Mounting Flange (ISO 5211): F07/F10/F12/F14/F16

Material of Actuator Body: Aluminium Alloy

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

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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



## industrial automation part turn electric actuator details

1. Various output torque from 50Nm to 6000Nm.
2. Wide range of voltage available for industrial automation part turn electric actuator.
3. Rugged construction with o-ring system giving water and explosionproof.

(optional : explosionproof/Exd IIC T5, IP68)

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4. Indicator industrial automation part turn electric actuator sustained by spring

- Direction of visual indicator is set by factory.
- In case of changing its direction, just grip the indicator plate and change the position.
- Spring beneath indicator plate sustains the set position unchanged.
- No need to loose screw and tight it again at all.

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