



Industrial Automation Part Turn Electric Actuator



"AOX-Q" series electric actuator is a newly designed industrial automation part turn electric actuator manufactured by AOX from China. "AOX-Q" series electric actuators are driven by AC380V / 220V / 110V AC power supply. The control signal is 4-20mA current signal or 0-10V DC voltage signal. The maximum output torque is 6000NM.

Industrial Automation Part Turn Electric Actuator

Summary

"AOX-Q" series electric actuator is a newly designed **industrial automation part turn electric actuator** manufactured by AOX from China. "AOX-Q" series electric actuators are driven by AC380V / 220V / 110V AC power supply. The control signal is 4-20mA current signal or 0-10V DC voltage signal. The maximum output torque is 6000NM.

Product Introduction of the industrial automation part turn electric actuator

"AOX-Q" series **industrial automation part turn electric actuators** are suitable for petroleum, chemical and other industries. "AOX-Q" series electric actuator bottom flange mounting hole size complies with ISO5211 standard. If the installation dimension of the valve is inconsistent with it, the bracket or adapter plate can be designed separately. The actuator and the valve are connected through the removable drive shaft sleeve on the main shaft. The drive shaft sleeve is a solid part before delivery. First screw out two fastening screws counterclockwise with a wrench, and then push out the drive shaft sleeve with two jacking screws.

Zhejiang Aoxiang Auto-Control Technology CO.,Ltd

Tel: [+86-577-59890750](tel:+86-577-59890750)

Phone: [+86-18967766527](tel:+86-18967766527)

Fax: +86-0577-65921296

E-mail: zjaox@zjaox.com



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

Model	Max Output Torque	60/50Hz Operating Time	Max Drive Power	Rated Current (A)		Hand wheel Revolution	Weight
				single phase	three phases		

Zhejiang Aoxiang Auto-Control Technology CO.,Ltd

Tel: [+86-577-59890750](tel:+86-577-59890750)

Phone: [+86-18967766527](tel:+86-18967766527)

Fax: [+86-0577-65921296](tel:+86-0577-65921296)

E-mail: zjaox@zjaox.com



	N·M	90°	mm	W	110V	220V	380V	440V	N	Kg
AOX-Q-005	50	18/22	Φ20	0	1.10/0.95	0.55/0.54	0.3/0.3	N/A	10	7.5
AOX-Q-008	80	18/22	Φ20	0	1.10/0.95	0.55/0.54	0.3/0.3	N/A	10	7.5
AOX-Q-010	100	18/22	Φ20	0	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	1.65/0.67	0.88/0.84	0.31/0.31	0.30/0.31	11	17.3
AOX-Q-020	200	21/25	Φ20	40	1.67/0.67	0.89/0.85	0.31/0.31	0.30/0.31	11	17.3
AOX-Q-030	300	26/31	Φ32	90	1.85/0.86	0.92/0.92	0.35/0.35	0.34/0.34	13.5	22
AOX-Q-050	500	26/31	Φ32	120	3.60/0.62	1.55/0.58	0.59/0.59	0.58/0.58	13.5	23
AOX-Q-060	600	26/31	Φ32	120	3.65/0.62	1.60/0.20	0.60/0.59	0.59/0.58	13.5	23
AOX-Q-080	800	31/37	Φ40	180	4.10/0.10	2.15/0.20	0.85/0.85	0.79/0.79	16.5	29
AOX-Q-1200	1200	31/37	Φ40	180	4.20/0.10	2.35/0.20	0.87/0.87	0.81/0.81	16.5	29

Zhejiang Aoxiang Auto-Control Technology CO.,Ltd

Tel:+86-577-59890750

Phone:+86-18967766527

Fax:+86-0577-65921296

E-mail:zjaox@zjaox.com



120			0		10	30	87	81		
AOX-Q-150	1500	78/93	Φ4 0	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	Φ4 0	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	Φ4 0	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	Φ4 0	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	Φ4 0	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	Φ4 0	180	4.20/4. 10	2.35/2. 30	0.87/0. 87	0.81/0. 81	82.5	83

Torque range:	50~6000N.m
Material of Actuator Body:	Aluminium Alloy
Power:	Standard:220VAC/1ph Optional:110VAC/1ph, 380V/440V/3ph,50/60Hz, ±10%

Zhejiang Aoxiang Auto-Control Technology CO.,Ltd

Tel:+86-577-59890750

Phone:+86-18967766527

Fax:+86-0577-65921296

E-mail:zjaox@zjaox.com



	24VDC/110VDC/220VDC	
Limit switch:	2×Open/ Close, SPDT,250VAC 10A	
Torque switch:	Close/Open, each 1, SPDT,250VAC 10A	Except AOX-Q-005/008/010
Indicator:	Continuous position indicator	
Self-locking device:	Self-locking by worm and worm gear	
Space heater:	30W(110V/220VAC)	
Conduit entry:	2 × PT 3/4"	
Ambient temperature:	-25°C ~+70°C (-30°C、-40°C、-60°C optional)	
Anti-vibration:	X Y Z 10g,0.2~34 Hz,30 minutes	
Type of Field-bus Signal:	Modbus-RTU, Profibus-DP, etc.	
Local Controller:	AOX remote control(Optional)	

Product Feature And Application of the industrial automation part turn electric actuator

Other electric actuators

AOX-R series

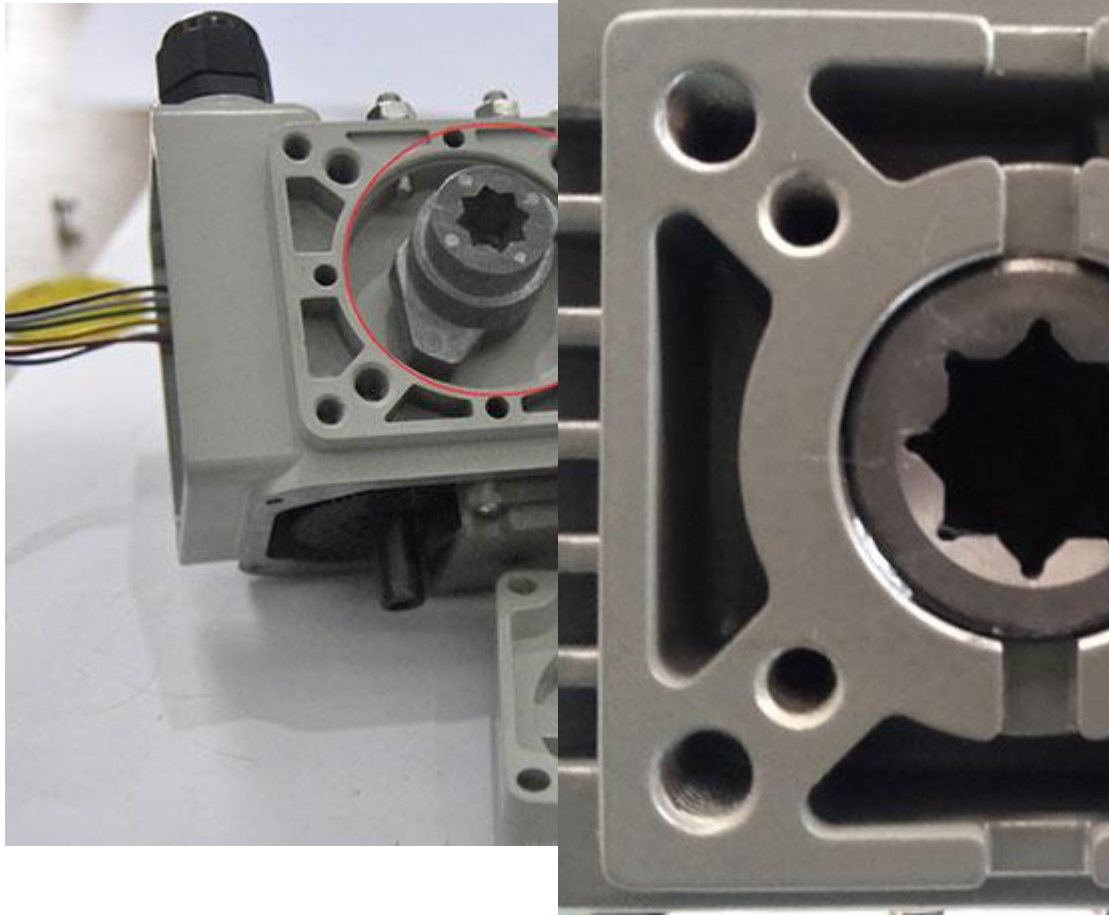
Zhejiang Aoxiang Auto-Control Technology CO.,Ltd

Tel: [+86-577-59890750](tel:+86-577-59890750)

Phone: [+86-18967766527](tel:+86-18967766527)

Fax: [+86-0577-65921296](tel:+86-0577-65921296)

E-mail: zjaox@zjaox.com



The electric actuators delivered from other factories are not high in strength accuracy in terms of the main shaft, and the matching accuracy of the worm gear is low and the return difference is large. The output shaft is of split design, which is not conducive to accuracy and stability. AOX's "AOX-Q" series electric actuators are designed in one dimension in terms of the main shaft and installation. The output dimension and input control are eliminated from the fitting error and safety hazard. The overall design of the installation dimension avoids the occurrence of screw loosening. The

Zhejiang Aoxiang Auto-Control Technology CO.,Ltd

Tel: +86-577-59890750

Phone: +86-18967766527

Fax: +86-0577-65921296

E-mail: zjaox@zjaox.com



output shaft is made of steel with 2.6 times higher tensile strength than zinc aluminum alloy (No. 45 steel 600mpl, zinc aluminum alloy 230mpl) and stronger performance.

Production details of the industrial automation part turn electric actuator

1.Electric operation:

Before electric operation, check whether the opening meter and valve angle (fully open and fully closed) are consistent by manual operation; check whether the wiring is correct, and at the same time, use the external switch to confirm the opening and closing action; after confirming the above status, start the electric operation.



2.Attention:

① Check whether the wiring diagram, power supply and input / output signals are correct.

Zhejiang Aoxiang Auto-Control Technology CO.,Ltd

Tel: +86-577-59890750

Phone: +86-18967766527

Fax: +86-0577-65921296

E-mail: zjaox@zjaox.com

② Try not to change the internal wiring.



3. Attention shall be paid to AC380V switch type:

Manually put the actuator at the half open / close position, power on and input the on signal.

If the actuator operates in the open position, the wiring is correct.

If the movement direction is opposite, two of the three power lines must be exchanged.