





Manual override quarter turn electric actuator

AOX-Q series manual override quarter turn electric actuator is specially designed for modulating and open-close duty in process technology. Supplying the best quality electric actuators with high technology and high performance. Because our products are all over the world, we are famous for quality, stable operation and

safe operation. Our AOX-Q series manual override quarter turn electric actuator, as always, continue this trend and will never change.

Torque range: 50~6000N.m

Ambient temperature: $-20^{\circ}\text{C} \sim +70^{\circ}\text{C}$ (-40°C -60°C is optional)

Related humidity: <90% (25°C).

Manual Override: Yes

Torque switch: Close/Open, each 1

Mounting Flange (ISO 5211): F05/F07/F10/F12/F14/F16

Type of On-off Signal: Contact signal. Pulse signal

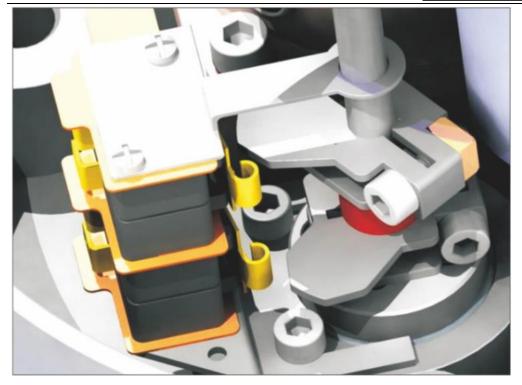
- Various output torque for AOX-Q series manual override quarter turn electric actuator from 50Nm to 6000Nm.
- 2. Manual override:
- Auto / Manual switchable lever and handwheel engagement for emergency manual operation.
- Drive force automatically resorted by motor start, unless lever padlocked to prevent this occuring.
- 3. Limit switches
- -It is fastened by the two screws above, the setting is simple, each cam can be set separately.
- -Once the setup is complete, each cam will always remain in this position.

Add: No.2608 Development Zone Road, Economic Development Zone, Ruian Zhejiang

China 325200

Tel: <u>+86-577-59890750</u> E-mail: <u>zjaox@zjaox.com</u>





Performance Parmeter

		Max		Rated Current (A)						
	Max	60/50Hz	Driv						Hand	
	Torqu	Operatin e	Powe	single phase		three phases		wheel	Weigh	
Model		Shaft	r					Revolutio	t	
	e		Size						n	
	N M	90°	mm	W	110V	220V	380V	440V	N	Kg
AOX-Q-00					1.10/0.9	0.55/0.5				
5	50	0 18/22	Ф20	20	5	4	0.3/0.3	N/A	10	7.5
AOX-Q-00					1.10/0.9	0.55/0.5				
8	80	18/22	Ф20	20	5	4	0.3/0.3	N/A	10	7.5
AOX-Q-01					1.10/0.9	0.55/0.5				
0	100	18/22	Ф20	20	5	4	0.3/0.3	B N/A	10	7.5
AOX-Q-01	150	21/25	Ф20	40	1.65/1.6	0.88/0.8	0.31/0.3	0.30/0.3	11	17.3

Add: No.2608 Development Zone Road, Economic Development Zone, Ruian Zhejiang

China 325200

Tel: <u>+86-577-59890750</u> E-mail: <u>zjaox@zjaox.com</u>



www.aoxactuator.com

AUA								<u> </u>	auxaciuaic	<u> </u>
5					7	4	1	1		
AOX-Q-02 0	200	21/25	Ф20	40	1.67/1.6 7	0.89/0.8	0.31/0.3	0.30/0.3	11	17.3
AOX-Q-03	300	26/31	Ф32	90	1.85/1.8	0.92/0.9	0.35/0.3	0.34/0.3	13.5	22
AOX-Q-05	500	26/31	Ф32	120	3.60/3.6	1.55/1.5	0.59/0.5	0.58/0.5	13.5	23
AOX-Q-06	600	26/31	Ф32	120	3.65/3.6	1.60/2.2	0.60/0.5	0.59/0.5	13.5	23
AOX-Q-08	800	31/37	Ф40	180	4.10/4.1	2.15/2.2	0.85/0.8	0.79/0.7	16.5	29
AOX-Q-12 0	1200	31/37	Ф40	180	4.20/4.1	2.35/2.3	0.87/0.8	0.81/0.8	16.5	29
AOX-Q-15	1500	78/93	Ф40	120	3.65/3.6	1.60/2.2	0.60/0.5	0.59/0.5	40.5	77
AOX-Q-20 0	2000	93/112	Ф40	180	4.10/4.1	2.15/2.2	0.85/0.8	0.79/0.7	49.5	83
AOX-Q-30 0	3000	93/112	Ф40	180	4.20/4.1	2.35/2.3	0.87/0.8	0.81/0.8	49.5	83
AOX-Q-40 0	4000	155/185	Ф40	180	4.20/4.1	2.35/2.3	0.87/0.8	0.81/0.8	82.5	83
AOX-Q-50 0	5000	155/185	Ф40	180	4.20/4.1	2.35/2.3	0.87/0.8	0.81/0.8	82.5	83
AOX-Q-60 0	6000	155/185	Ф40	180	4.20/4.1	2.35/2.3	0.87/0.8	0.81/0.8	82.5	83

Standard Specification

Shell	Enclosure :IP67,NEMA4, Exd II CT5
Power	Standard:220VAC/1ph

Add: No.2608 Development Zone Road, Economic Development Zone, Ruian Zhejiang

China 325200

Tel: <u>+86-577-59890750</u> Mob: +86-18967766527

E-mail: zjaox@zjaox.com



	Optional:110VAC/1ph, 380V/440V/3ph,50/60Hz, ±10%					
	24VDC/110VDC/220VDC					
Motor	Asynchronous motor					
Limit switch	2×Open/ Close, SPDT,250VAC 10A					
Auxiliary limit switch	2×Open/ Close, SPDT,250VAC 10A					
Torque switch	Close/Open, each 1, SPDT,250VAC 10A	Except AOX-Q-005/008/010				
Travel	90 °±10 °	0 °~270 °				
Fail safe/		20% 5% (61 07% 55%				
Operating temperature	Internal-placed thermal protection, Open 120°C ±5°C/Close 97°C ±5°C					
Indicator	Continuous position indicator					
Manual operate	Declutching mechanism, operate by handwheel					
Self-locking device	Self-locking by worm and worm gear					
Mechanical limit	2 × external adjustable stopper					
Space heater	30W(110V/220VAC)					
Conduit entry	2 × PT 3/4"					
Ambient temperature	-25°C∼+70°C (-30°C、-40°C、-60°C optional)					
Lubrication	Grease moly (EP type)					
Material	Steel, Aluminum alloy, Aluminum bronze, Polycarbonate					
Ambient humidity	Max 90%RH	Non-Condensing				
Anti-vibration	X Y Z 10g,0.2~34 Hz,30 minutes					
External coating	Dry powder, Epoxy polyester, high anti-corrosion					

Option Specification

No.	Option scheme	Remark
1	Explosion-proof actuator (Exd II CT5)	AOX-Q series
2	Potentiometer unit (1K-10K)	AOX-Q series
3	Proportion control unit (control signal 4-20mA DC/1-5V/1-10V)	AOX-Q series
4	Local control units (local control open/stop/close optional switch, local/remote switch)	AOX-Q series

Add: No.2608 Development Zone Road, Economic Development Zone, Ruian Zhejiang

China 325200

Tel: $\pm 86-577-59890750$ E-mail: zjaox@zjaox.com



www.aoxactuator.com

5	Travel 120 °, 180 °,270 °	AOX-Q series
6	Direct current motor(24VDC)	AOX-Q series
7	Water-proof actuator (IP68,10M,250HR)	AOX-Q series
8	Reverse electromagnetic control and transmission integrated motor starter	AOX-Q series
9	Torque switch (SPDT×2 250VAC 10A)	Except AOX-Q-005/008/010
10	Electric current position sensor (output 4-20mA DC)	AOX-Q series
11	High temperature resistance actuator (- $10^{\circ}\text{C} \sim +100^{\circ}\text{C}$)	AOX-Q series
12	Low temperature resistance actuator (-60 °C \sim +30 °C)	AOX-Q series
13	Low speed actuator	AOX-Q series
14	Bus-control unit	AOX-Q series

Manufaturing process



Add: No.2608 Development Zone Road, Economic Development Zone, Ruian Zhejiang

China 325200

Tel: <u>+86-577-59890750</u> E-mail: <u>zjaox@zjaox.com</u> Mob: +86-18967766527



Our company has been engaged in the manufacture of electric actuators for more than 20 years. It has mature manufacturing technology and perfect production equipment, with an annual production capacity of 60,000 AOX-Q series manual override quarter turn electric actuator. The main processing equipment includes machining center, CNC lathe, CNC milling machine, CNC drilling machine, plasma spray welding equipment, spray drying line and other equipment.

Supplier Management

Our company has a complete and strict external supplier management system. In order to standardize the management of the supply channels of our company, purchased parts and external suppliers, establish a safe and stable supplier team to prevent the occurrence of safety accidents or affect product quality for the reasons of outsourcing raw materials, parts and equipment. It will help to control the quality of our AOX-Q series manual override quarter turn electric actuator.

Our Patents



Our Certificate

Add: No.2608 Development Zone Road, Economic Development Zone, Ruian Zhejiang

China 325200

Tel: <u>+86-577-59890750</u> E-mail: <u>zjaox@zjaox.com</u>





Transportation



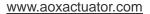
FAQ

We are always ready for providing the sample and producing some small orders, in order to meet the business well. We are always ready to hear from you.

Add: No.2608 Development Zone Road, Economic Development Zone, Ruian Zhejiang

China 325200

Tel: <u>+86-577-59890750</u> Mob: <u>+86-18967766527</u> E-mail: <u>zjaox@zjaox.com</u>





Q: Are you able to customize the enclosure designs suiting our needs?

A: We've always tried to provide our buyers with customized services, if technically and resonable cost allowed.

Q:Can I visit your company if we are interested in your AOX-Q series manual override quarter turn electric actuator.?

A:Of course, Your visit is our pleasure.

Q:Can you send me more detail information anout the AOX-Q series manual override quarter turn electric actuator?

A:Yes,you can send me mail about your inquiry and I'll send you he detal information you need.

Add: No.2608 Development Zone Road, Economic Development Zone, Ruian Zhejiang

China 325200

Tel: <u>+86-577-59890750</u> E-mail: <u>zjaox@zjaox.com</u>