



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°C~+70°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

1. 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 occurring.
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.

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Performance Parmeter

Model	Max Output Torque	60/50Hz Operating Time	Max Drive Shaft Size	Power	Rated Current (A)				Hand wheel Revolution	Weight
					single phase		three phases			
					110V	220V	380V	440V		
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-011	150	21/25	Φ20	40	1.65/1.6	0.88/0.8	0.31/0.3	0.30/0.3	11	17.3

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5					7	4	1	1		
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

Standard Specification

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

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	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/ 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

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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°C ~+100°C)	AOX-Q series
12	Low temperature resistance actuator (-60°C ~+30°C)	AOX-Q series
13	Low speed actuator	AOX-Q series
14	Bus-control unit	AOX-Q series

Manufacturing process



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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

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Transportation

Package : Plywood case or carton packaging

Shipping: 15 days after payment



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.

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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 reasonable 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.

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