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## Economy Electric Motor Linear Actuator



"AOX-Q-L" series economy electric motor linear actuator is a product developed by AOX. "AOX-Q-L" straight stroke electric actuator can be widely used for valve switching and regulation control of linear action; it is widely used in petroleum, chemical industry, power, metallurgy, water treatment, shipping, pharmaceutical, paper making, heating, refrigeration, light industry and other industries,

and is deeply recognized and trusted by customers.

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### Summary

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## Product Introduction of the economy electric motor linear actuator

The scale of "AOX-Q-L" series economy electric motor linear actuator needs to be adjusted before use. When the valve is closed in place, loosen the fastening screw on the scale, adjust the indicator to the scale of 0, and then tighten the fastening screw. The scale has been adjusted before delivery. Note: 1. Check whether the wiring diagram, power supply and input / output signal are correct. 2. Try not to change the internal wiring. 3. Manually put the actuator in the half on / off position, power on and input the on signal.

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## Product Parameter ( Specification )of the economy electric motor linear actuator

Max stroke:	100 mm
Running speeds:	0.33 mm/s - 1 mm/s
Corrosion level:	Epoxy powder coating. NEMA 4X corrosion protection
Ingress Protection::	2* NPT 3/4
Explosion proof mark:	EX d II CT5
Motor Specifications:	Class F, with thermal protector up to +135 °C (+275 °F)
Working System:	On-off Type: S2 - 15 min, no more than 600 times per hour start

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	Modulating Type: S4 - 50 %, up to 600 triggers per hour
On/off type signal:	Input : AC 110/220 Input Signal Feedback: Integrated fault contacts, Close the valve contact, Open the valve contact
Shell:	Enclosure : IP67, NEMA4, Exd II CT5
Motor:	Asynchronous motor
Limit switch:	2×Open/ Close, SPDT, 250VAC 10A
Torque switch:	Close/Open, each 1, Except AOX-QL-20/30/50/80 SPDT, 250VAC 10A
Fail safe/ Operating temperature:	Internal-placed thermal protection, Open 115 °C ±5 °C /Close 97 °C ± 5 °C
Self-locking device:	Self-locking by worm and worm gear
Space heater:	30W(110V/220VAC)
Conduit entry:	2 × PF 3/4"
Lubrication:	Grease moly ( EP type )

Model	Thrust N	Speed mm/S	Max travel mm	power W	Rated current(A) 50HZ				Weight Kg
					Single-phase		Three-phase		
	110V	220V	380V	440V					
AOX-Q-L20	2000	0.66	60	20	1.10/0.95	0.55/0.54	0.30/0.30	N/A	18
AOX-Q-L30	3000	0.66	60	20	1.10/0.95	0.55/0.54	0.30/0.30	N/A	18
AOX-Q-L50	5000	0.66	60	20	1.10/0.95	0.55/0.54	0.30/0.30	N/A	18
AOX-Q-L80	8000	0.33	60	20	1.10/0.95	0.55/0.54	0.30/0.30	N/A	18
AOX-Q-L100	10000	0.50	60	40	1.65/1.67	0.88/0.84	0.31/0.31	0.30/0.31	30
AOX-Q-L160	16000	0.50	100	40	1.67/1.67	0.89/0.85	0.31/0.31	0.30/0.31	32
AOX-Q-L200	20000	0.44	100	90	1.85/1.86	0.92/0.92	0.35/0.35	0.34/0.34	33
AOX-Q-L250	25000	0.44	100	90	3.60/3.62	1.55/1.58	0.59/0.59	0.58/0.58	34
AOX-Q-L300	30000	0.44	100	90	3.65/3.62	1.60/2.20	0.60/0.59	0.59/0.59	35

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## Transportation of the economy electric motor linear actuator

Package : Plywood case or carton packaging

Shipping: 15 days after payment



## Difference between "AOX-Q-L" series and "AOX-L" series

Function	AOX-Q-L Series	AOX-L Series
Appearance (AC220V ordinary switch type)		
Thrust (N)	2kN~30kN	3kN~30kN
Accuracy (‰)	3‰~1‰	3‰~1‰
Speed (mm/S)	0.33~1mm/S	1.5mm/S

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