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Smart Electric Linear Valve Actuator

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Summary

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Product Introduction of the smart electric linear valve actuator

"AOX-Q-L" The connection between the series smart electric linear valve actuator and the valve conforms to the following standards. The size of the flange mounting hole at the bottom of the actuator conforms to the ISO5211 standard. If the valve mounting size does not conform to it, it will be designed separately. The actuator and the valve are connected to the lower flange through the detachable split nut on the screw nut. During installation, remove the split nut first, put it on the valve stem, connect the connecting part of the valve stem with the connecting nut of the valve stem, and then tighten it Fix with split nuts, and then tighten the screws connecting the flange and the valve.

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Product Parameter (Specification)of the smart electric linear valve actuator

Force range:	2000 - 40000 N
Ambient temperature:	-25 °C +70 °C
Corrosion level:	Epoxy powder coating. NEMA 4X corrosion protection
Ingress Protection::	2* NPT 3/4
Electrical interface:	IP67, Optional:IP68
Explosion proof mark:	EX d II CT5
Motor Specifications:	Class F, with thermal protector up to +135 °C (+275 °F)
Time Lag:	N/A

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Shell:	Enclosure :IP67,NEMA4, Exd II CT5
Motor:	Asynchronous motor
Limit switch:	2×Open/ Close, SPDT,250VAC 10A
Auxiliary limit switch:	2×Open/ Close, SPDT,250VAC 10A
Indicator:	Continuous position indicator
Manual operate:	Declutching mechanism, operate by handwheel
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)
Material:	Steel, Aluminum alloy, Aluminum bronze,Polycarbonate
Anti-vibration:	X Y Z 10g,0.2~34 Hz,30 minutes
External coating:	Dry powder, Epoxy polyester,high anti-corrosion

Model	Thrust	Speed	Max travel	power	Rated current(A) 50HZ				Weight
					Single-phase		Three-phase		
	N	mm/S	mm	W	110V	220V	380V	440V	Kg
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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Our advantages the smart electric linear valve actuator

We are manufacture for more than 20 years. Our company was founded in 1997,We are specialize in R&D, designing, and producing of actuators.



2008



2014

Production details of the smart electric linear valve actuator

"AOX-Q-L" series smart electric linear valve actuator manual / automatic clutch

With manual / automatic clutch function, the valve can be operated manually in case of power failure, and the hand wheel engagement function can be automatically released at the moment of motor rotation to ensure personnel safety.

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