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Exd Automation Electric Linear Actuator



AOX has developed the "AOX-Q-L" electric actuator, which is an Exd automation electric linear actuator. "AOX-Q-L" series products are a new generation of straight travel products. AOX has made many innovations and has three invention patents and a number of appearance and utility model patents. It adopts modular design, has rich expandability and functions, and is applicable to a variety of

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Product Introduction of the Exd automation electric linear actuator

Power wiring of "AOX-Q-L" series Exd automation electric linear actuator: 1. Remove the aluminum metal plug for external cable access. Please use an explosion-proof connector or

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explosion-proof cable hose with an external thread of 3 / 4 ". 2. If the cable joint does not meet the requirements of the actuator, the sealing level inside the machine may be lowered to meet the protection requirements, or the water inside the actuator may damage the machine. 3. Waterproof measures shall be fully taken when using wire conduit. 4. Disassemble the casing cover. Press down the metal spring piece in the small hole on the terminal with a screwdriver, and insert the wire into the side insertion hole smoothly. Pull out the screwdriver, and the spring clamping mechanism inside the terminal can clamp the wire reliably.



Product Parameter (Specification)of the Exd automation electric linear actuator

Force range:	2000 - 40000 N
Max stroke:	100 mm

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Running speeds:	0.33 mm/s - 1 mm/s
Working System:	On-off Type: S2 - 15 min, no more than 600 times per hour start Modulating Type: S4 - 50 %, up to 600 triggers per hour
Applicable Voltage:	Applicable Voltage: Single phase: Voltage ($\pm 10\%$); Hz ($\pm 5\%$) 50 Hz (24, 220, 230, 240 Volts) 60 Hz (24, 110, 120, 220, 230, 240 Volts) 3 phase: Voltage ($\pm 10\%$); Hz ($\pm 5\%$) 50 Hz (220, 240, 380, 400, 460, 500, 525, 550 Volts) 60 Hz (208, 220, 230, 240, 380, 440, 460, 480, 575, 600 Volts) DC : 24 V ($\pm 10\%$)
On/off type signal:	Input : AC 110/220 Input Signal Feedback: Integrated fault contacts, Close the valve contact, Open the valve contact
Self-locking device:	Self-locking by worm and worm gear
Space heater:	30W(110V/220VAC)
Conduit entry:	2 × PF 3/4"
Ambient temperature:	-30°C ~ +70°C
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	1.85/1.8	0.92/0.9	0.35/0.3	0.34/0.3	33

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					6	2	5	4	
AOX-Q-L250	25000	0.44	100	90	3.60/3.6 2	1.55/1.5 8	0.59/0.5 9	0.58/0.5 8	34
AOX-Q-L300	30000	0.44	100	90	3.65/3.6 2	1.60/2.2 0	0.60/0.5 9	0.59/0.5 9	35

Optional specification of the Exd automation electric linear actuator

No.	Option scheme	Remark
1	Explosion-proof actuator (Exd II CT5)	AOX-Q-L series
2	Potentiometer unit (1K-10K)	AOX-Q-L series
3	Proportion control unit (control signal 4-20mA DC/1-5V/1-10V)	AOX-Q-L series
4	Local control units (local control open/stop/close optional switch, local/remote switch)	AOX-Q-L series
5	Direct current motor(24VDC)	AOX-Q-L series
6	Water-proof actuator (IP68,10M,250HR)	AOX-Q-L series
7	Reverse electromagnetic control and transmission integrated motor starter	AOX-Q-L series
8	Torque switch (SPDT×2 250VAC 10A)	Except AOX-Q-L-20/30/50/80
9	Electric current position sensor (output 4-20mA DC)	AOX-Q-L series
10	High temperature resistance actuator (-10℃~+100℃)	AOX-Q-L series
11	Low temperature resistance actuator (-40℃~+70℃)	AOX-Q-L series
12	Bus Control Unit	AOX-Q-L series

Production details of the Exd automation electric linear actuator

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"AOX-Q-L" series Exd automation electric linear actuator housing

The shell is made of hard aluminum alloy, which is anodized and coated with polyester powder.
The protection grade is IP67, NEMA 4 and 6. IP68 is available.



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