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Electric Motor Linear Actuator With Proportional Control Unit

Electric motor linear actuator with proportional control unit is specially designed for linear operating valves such as globe valve and similar usages. AOX is a Chinese electric actuator manufacturer. AOX products have been mastering the technology of valve automation industry for decades. Choosing Electric motor linear actuator with proportional control unit is a professional choice. AOX have first-class product technology and professional R&D team to provide you with appropriate design.

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Electric motor linear actuator with proportional control unit

Introduction

Electric motor linear actuator with proportional control unit is suitable for modulating and open-close duty of control and process technology to operate control valves. AOX has its own factory in China. AOX has been committed to the design and manufacture of excellent electric motor linear actuator with proportional control unit and control equipment. It is this successful positioning and strong product quality awareness of all process staff that makes AOX a supplier of valve automation solutions.

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Parameter (Specification)

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Model	Thrust	Speed	Max travel	power	Rated current(A) 50HZ				Weight
					Single-phase		Three-phase		
					110V	220V	380V	440V	
AOX-QL-20	2000	0.66	60	20	1.10/0.95	0.55/0.54	0.30/0.30	N/A	18
AOX-QL-30	3000	0.66	60	20	1.10/0.95	0.55/0.54	0.30/0.30	N/A	18
AOX-QL-50	5000	0.66	60	20	1.10/0.95	0.55/0.54	0.30/0.30	N/A	18
AOX-QL-80	8000	0.33	60	20	1.10/0.95	0.55/0.54	0.30/0.30	N/A	18
AOX-QL-100	10000	0.50	60	40	1.65/1.67	0.88/0.84	0.31/0.31	0.30/0.31	30
AOX-QL-160	16000	0.50	100	40	1.67/1.67	0.89/0.85	0.31/0.31	0.30/0.31	32
AOX-QL-200	20000	0.44	100	90	1.85/1.86	0.92/0.92	0.35/0.35	0.34/0.34	33
AOX-QL-250	25000	0.44	100	90	3.60/3.62	1.55/1.58	0.59/0.59	0.58/0.58	34
AOX-QL-300	30000	0.44	100	90	3.65/3.62	1.60/2.20	0.60/0.59	0.59/0.59	35

Electric motor linear actuator with proportional control unit

Feature And Application

Force range:2000 - 30000 N

Max stroke:100 mm

Running speeds: 0.33 mm/s - 1 mm/s

Noise level:Less than 75 dB within 1 m

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

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 ($\pm 10\%$)

Time Lag:N/A

Related humidity: <90%(25°C)

Strong structure, accurate positioning, reliable performance

Wide range of applications and control systems

Compact internal arrangements

Remote control setting

Self-diagnosis fault alarm

Modular design

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Electric motor linear actuator with proportional control unit details

1. Installation

The installation size of electric motor linear actuator with proportional control unit meets international standard, if the installation of the valve does not match the size, then use other design.

2. Circuit

Controlling circuit meets the single-phase or three-phase power supply standard, circuit layout is reasonable and compact, terminals meet various of additional functional requirements effectively.

3. Intelligent module

Electric motor linear actuator with proportional control unit use single chip computer with high integration and low power consumption and control panel with Hybrid Analog Circuit, all metal plug-in installation is adopted, so that the implementation of the motor heat source and the control board is effectively isolated, greatly improve anti-interference performance and temperature resistance of the software and hardware.

4. Multi control mode

End user can send open, close, stop, or proportional control signals through distributed control system (DCS) or programmable logic controller (PLC) from a distance so as to open or close the valve to control flow. The operator can also open or close the valve through local control panel or infrared remote control which is convenient to the debugging and maintenance of the electric motor linear actuator with proportional control unit.