



Intelligent Electric Motor Multi Turn Actuator

Summary

"AOX-M" series intelligent electric motor multi turn actuator is developed by AOX itself. It is an old brand electric actuator manufacturer with 20 years of research experience. The "AOX-M" series uses AC380V / 220V / 110V AC power supply as the driving power supply and 4-20mA current signal or 0-10V DC voltage signal as the control signal to move the valve to the required position. And realizes its automatic control.

Product Introduction of the intelligent electric motor multi turn actuator

The "AOX-M" series intelligent electric motor multi turn actuator adopts the terminal box with double sealing protection design. When the terminal box cover is opened for field wiring, the individually sealed terminal box also ensures the sealing integrity of the electrical parts in the electric device, which greatly increases the sense of use of the actuator and extends the service life of the actuator. The motor of the actuator and the control unit are connected through terminals (29 pins for aox-m-007-010 and 39 pins for AOX-M-020~100).

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Product Parameter (Specification)of the intelligent electric motor multi turn actuator

Model	Output torque	Speed	Max shaft diameter	Power	Rated current (A)	Flange	Weight
					50HZ three phases		
AOX-M-007	70	45	Φ28	400	2.42	F10	32
	70	90		400	2.95		
AOX-M-010	120	35	Φ28	600	2.25	F10	38
	120	70		600	3.18		

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	120	105		800	5.15		
AOX-M-020	300	34	Φ40	1100	4.50	F14	68
	300	67		1100	6.85		
AOX-M-050	450	34	Φ40	1100	9.58	F14	70
	450	67		1500	14.80		
AOX-M-060	600	34	Φ55	3000	10.89	F16	103
	600	67		4000	16.50		
AOX-M-080	800	34	Φ55	3000	12.43	F16	103
	800	67		4000	23.50		
AOX-M-100	1000	34	Φ55	4000	30.20	F16	103
Torque Range:		40 - 1000 Nm Direct Output					
Speed:		34 35 45 67 70 90 (rpm)					
Ambient Temperature:		-30°C --+70°C Optional; -40°C- 60°C					
Motor:		Asynchronous motor					
Limit switch:		1×Open/ Close, SPDT,250V AC 10A (on/off model)					
Auxiliary limit switch:		1×Open/ Close, SPDT,250V AC 10A (on/off model)					
Torque switch:		1×Open/ Close, SPDT,250V AC 10A					
Operating temperature:		Internal-placed thermal protection, Open 120°C ±5°C /Close 97°C ±5°C					
Manual operation:		Declutching mechanism,with handwheel operation					
Self-locking device:		Self-locking by worm and worm gear					
Space heater:		30W (110/220V AC) Condensation preventing (according to conditions, can be adjusted)					
Conduit entry:		Double seal 3× (PT3/4"、PT1"、PT1-1/2"optional)					
Ambient temperature:		-25°C ~+70°C (-30°C、-40°C、-60°C optional)					
Lubrication:		Special oil for 00 actuators					
Material:		Ductile iron, high-strength aluminum alloys, steel, aluminum bronze, polycarbonate					
Ambient humidity:		Max 90% RH;Non-Condensing					

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Anti-vibration:	X Y Z 10g,0.2~34 Hz,30 minutes
External coating:	Dry powder, epoxy polyester,high anti-corrosion

Application Field of the intelligent electric motor multi turn actuator



Oil & Gas



Water treatment



Chemical industry



Paper making



Metallurgy



Electric industry

Production details of the intelligent electric part turn ball valve actuator

Precise valve position measurement: AOX-M series intelligent multi turn electric actuator using magnetic induction absolute encoder, eliminating the traditional potentiometer, improved location accuracy and does not require battery can be accurately recorded valve position when the actuator power outage.

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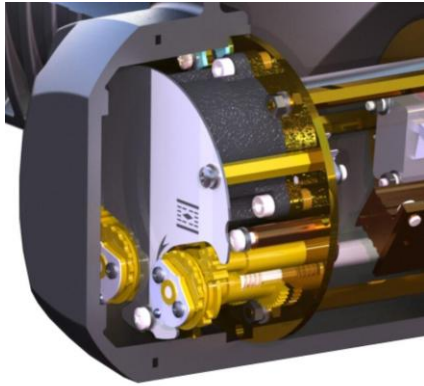
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