



Electric Motor Multi Turn Actuator With Fieldbus Control



Summary

AOX has developed "AOX-M" series electric motor multi turn actuator with fieldbus control, which can be used to control butterfly valves, ball valves, gate valves, globe valves, regulating valves and other valves. Its protection grade is IP67, NEMA4 and nema6, and IP68 and explosion-proof type are available, which means that "AOX-M" series electric actuators can be used for underwater operation.

Product Introduction of the electric motor multi turn actuator with Fieldbus control

The "AOX-M" series electric motor multi turn actuator with fieldbus control has self-locking function. Its principle is that the precision worm gear mechanism can efficiently transmit large torque. It has the characteristics of high efficiency, low noise (up to 50 dB) and long service life. With self-locking function to prevent reverse rotation, the transmission part is stable and reliable without refueling. It can also choose whether to select the bus function to better reduce the cost of controlling large-scale actuators.

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Product Parameter (Specification)of the electric motor multi turn actuator with Fieldbus control

Model	Output torque	Speed	Max shaft diameter	Power	Rated current (A)	Flange	Weight
					50HZ		
					three phases		
					380V	ISO5210	Kg
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
Speed:	34 35 45 67 70 90 (rpm)						
Ambient Temperature:	-30°C --+70°C Optional; -40°C- 60°C						
Noise Level:	Less than 75 dB within 1 m						
Corrosion level:	Epoxy powder coating NEMA 4X corrosion protection is optional.						
Explosion-proof level:	Exd IIC T5 design						
Motor specification:	Class F, with thermal protector up to 135°C						
Dead Zone:	≤2%						
Time Lag:	N/A						
Other Function:	Torque protection; Motor overheat protection' Moisture-resistant heaters (anti-moisture device)						
Shell:	Enclosure:IP67 (IP68 optional) ,NEMA4 and 6						
Power:	Standard: 380V AC/3ph Optional: 110/220V AC/1ph,440V AC/3ph, 50/60Hz, ±10%						
Motor:	Asynchronous motor						
Overload protection:	Torque peak overload protection						
Display screen:	LED display (smart regulation type)						
Setting mode:	Non-intrusive setting (without opening the cover set type)						
Electrically:	Integrated control unit with a non-invasive rotary switch						

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FAQ of the electric motor multi turn actuator with Fieldbus control

We are always ready for providing the sample and producing some small orders, in order to meet the business well. We are always ready to hear from you.

Q:[What will AOX price term?](#)

A:We can offer FOB, CIF, EX-WORK at a reasonable price.

Q: Do you give any discount for AOX-M series manual override multi turn electric actuator?

A:I'll surely try my best to help you get those by the best price and good service at the same time.

Production details of the electric motor multi turn actuator with Fieldbus control

Motor

Specially designed high starting torque motor, can frequent open the valve from fully closed position. In addition to the three-phase AC motors, single-phase AC are also suitable for AOX-M series multi turn electric actuator with torque switch.

Valve mounting standard

Installation flange of AOX-M series intelligent multi turn electric actuator is according to EN ISO5210 or DIN3210 standard. Various types of output drive types to choose, suitable for different types of valves.

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