



Long service life electric motor multi turn actuator



Long service life electric motor multi turn actuator is specially designed for all multi turn valve applications (linear motion valves) such as globe valve, gate valve, and etc. Our long service life electric motor multi turn actuator can be customized according to the special requirements of customers. AOX is an electric actuator

manufacturer from China. Based on a wide range of products including high performance multi turn, part turn, and linear actuators, we offer automated solutions for all valve types, ranging from ball valves to dampers.





Long service life electric motor multi turn actuator Instruction

Long service life electric motor multi turn actuator is specially designed for all multi turn valve applications (linear motion valves) such as globe valve, gate valve, and etc. The smart motorized multi turn actuator are categorized into different sections such as the conventional series and explosion-proof series. All the series are composed by ON-OFF, modulating and intelligent products. AOX has its own factory. Over the years, it has experienced various fields of domestic and foreign markets practice and application while gotten the reward of multiple national and international qualifications.

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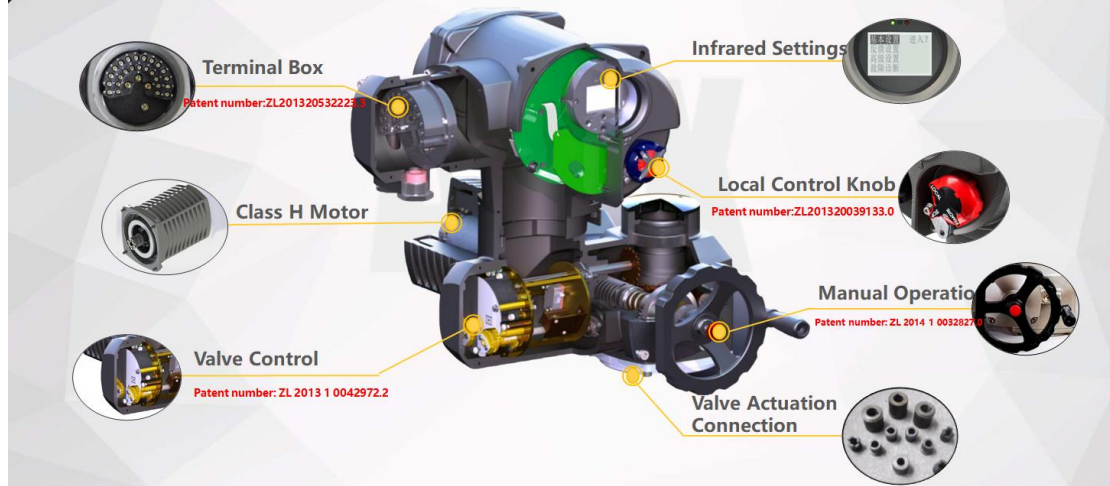
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Structural Features



Product Image



Long service life electric motor multi turn actuator Parameter (Specification)

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Model	Output torque	Speed	Maxshaft diameter	Power	Rated current (A) 50HZ	Flange	Weight
	N·m	RPM			mm		
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		
	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

Long service life electric motor multi turn actuator Feature And Application

Torque Range: 40 - 1000 Nm Direct Output

Speed: 34 35 45 67 70 90 (rpm)

Explosion-proof level: Exd IIC T5 design

Connection size:ISO5210(Thrust torque type)and JB2920(Three claw type)

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

Dead Zone:≤2%

Time Lag:N/A

Limit and torque sensing

Absolute encoder precision detection valve position

Manual / automatic clutch switching

Local control inching / automatic holding selection

ESD beyond protection

Two-wire control protection

Three-phase power phase sequence protection

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Additional Mechanical Parts

Through the combination of AOX-M series multi-turn electric actuator and the following mechanical components, other types of valves can be controlled.



Through the configuration of linear thrust unit, can constitute a direct stroke actuator, suitable for regulating valves.
> Thrust: 10~160 KN
> Stroke: 16~100mm (other stroke can be customized)
Speed: 3.4~7.5mm/S (according to the stroke)



Through configuration part of the rotary gear box, can constitute a large part of the rotary actuator torque, suitable for butterfly valve, ball valve, plug valves, etc.
Torque: 0.2 ~ 1000 KNm
speed: 0.2 ~ 43 r/min



By configuring multi-turn gearbox, can constitute a large output torque rotary actuator, is applicable to gate valves, globe valves, etc.
Torque: 0.1 ~ 100 KNm
Speed: 2 ~ 600 s



By configuring the turn arm type gear box, can turn a arm type actuator, applicable to the throttle, damper valve, butterfly valve, etc.
Torque: 0.2 ~ 1000 KNm
Speed: 0.2 ~ 43 r/min



Long service life electric motor multi turn actuator Details

1. Manual operation for long service life electric motor multi turn actuator

- In the commissioning or in an emergency the actuator can be operated by handwheel.
- By operating the red button to disconnected the actuator and motor and start manual operation. Because the self-locking worm gear between the motor and the operating shaft are separated, it's very easy to turn to manual operation even if the actuator is running at maximum torque.
- After starting the motor, automatically breaks away from manual operation, when the motor is operating the hand wheel does not work.

2. The digital position display clearly indicates the status of valve and actuator.

3. Different control options meet your specific requirement.

Long service life electric motor multi turn actuator can be combined with various controls from simple On/off and intelligent modulating control or fieldbus interface.

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