



High speed electric motor multi turn actuator



High speed electric motor multi turn actuator is applied in controlling various valves and other similar products, include butterfly valve, ball valve, gate valve, control valve and etc.Over the years, our High speed electric motor multi turn actuator have been exported in batches every year, and have been widely and successfully used in water treatment, petroleum, electric power, chemical and other industries. AOX is a Chinese electric actuator **manufacturer**.AOX will design and manufacture products solidly and continue our efforts to create more value for customers.



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High speed electric motor multi turn actuator Introduction

High speed 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 High speed electric motor multi turn actuator can be customized according to the special requirements of customers. AOX has its own factory in China. Based on a wide range of products including high performance multi turn, part turn, and linear actuators, AOX offer automated solutions for all valve types, ranging from ball valves to dampers.

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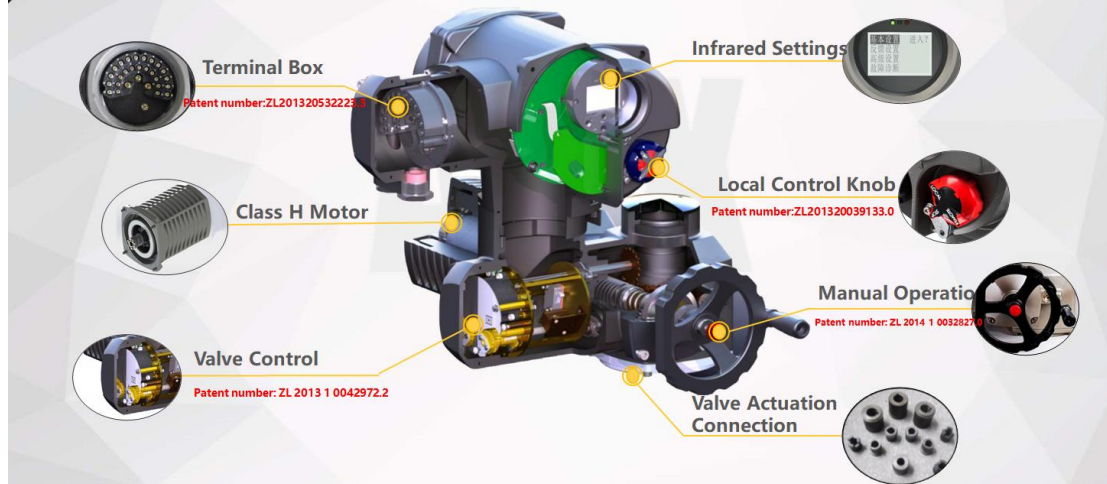
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Structural Features



Product Image



High speed 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 |

High speed electric motor multi turn actuator Feature And Application

Torque Range: 40 - 1000 Nm Direct Output

Ambient Temperature: -30°C --+70°C Optional: -40°C- 60°C

Anti-vibration Level: JB/T8219

Noise Level: Less than 75 dB within 1 m

Corrosion level: Epoxy powder coating NEMA 4X corrosion protection is optional.

Applicable Voltage:3 phase: AC 380 V (±10 %) /50/60 Hz (±5 %)

optional: 1 phase AC 220 V

On/off type signal:

Input : AC 110/220 Input

Signal Feedback: Integrated fault contacts,Close the valve contact,Open the valve contact

Motor overheat protection

Moisture-resistant heaters (anti-moisture device)

Reliable electronic system

Phase sequence self-correction

Motor overheat protection

Limit and torque sensing

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- Two-wire control protection
- Three-phase power phase sequence protection
- Remote control settings
- Self-diagnosis fault alarm

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 |



High speed electric motor multi turn actuator details

1. Motor protection for high speed electric motor multi turn actuator .In order to protect the motor against overheating, there are two series of thermal switch installed in the three-phase motor or single-phase motor winding inside. They are involved in the control circuit to prevent damage to the motor because of winding overheating.
- 2.Diferent control options meet your specific requirement.
High speed electric motor multi turn actuator can be combined with various controls from simple On/off and intelligent modulating control or fieldbus interface.
- 3.Integrated Local control for high speed electric motor multi turn actuator .
Local control switches and locking type selector switch local/stop/remote are magnetic switches, controlled by magnetic reed, thus assure the damp proof sealing inside of the actuator.

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