



Electric motor operated multi turn valve actuator with torque switch



Electric motor operated multi turn valve actuator with torque switch is widely applied in petroleum, chemical, water treatment, shipping, paper making, power plants, heating, building automation and other industries. AOX's innovative product design concepts and products in practical applications have received much attention and recognition. AOX is a **supplier** to many large enterprises. Electric motor operated multi turn valve actuator with torque switch are reliable, safe and convenient, with the advantages of compatibility and practicability.





Electric motor operated multi turn valve actuator with torque switch Introduction

Electric motor operated multi turn valve actuator with torque switch is suitable for modulating and open-close duty of control and process technology to operate control valves. AOX is a Chinese electric actuator **manufacturer**. AOX attaches great importance to corporate social responsibility. AOX continue to seek opportunities for progress, sharing and development with our partners and customers. In addition, all our services are handled through customer-centric management, giving the greatest priority to customer satisfaction.

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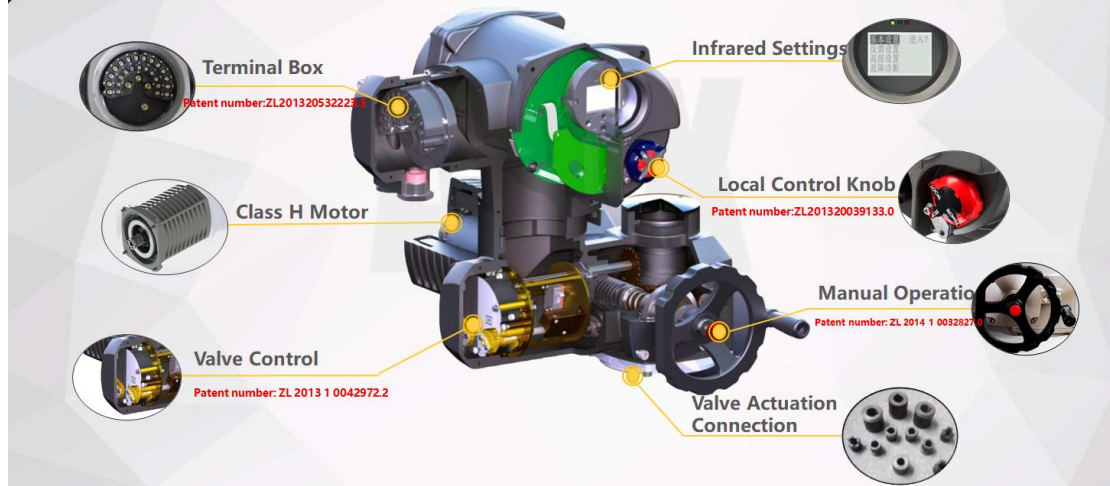
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Structural Features



Product Image



Electric motor operated multi turn valve actuator with torque switch Parameter (Specification)

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Model	Thrust	Speed	Max travel	power	Rated current(A) 50HZ				Weight
					Single-phase		Three-phase		
	N	mm/S	mm	W	110V	220V	380V	440V	Kg
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 operated multi turn valve actuator with torque switch Feature And Application

Force range:2000 - 30000 N

Max stroke:100 mm

Ingress Protection:2* NPT 3/4

Electrical interface:IP67, Optional:IP68

Explosion proof mark: EX d II CT5

On/off type signal:

Input : AC 110/220 Input

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

High corrosion resistance

Self-locking with minimum backlash

Strong design structure, O ring system for water proof

Handwheel operated manually

Wide range of applications and control systems

Compact internal arrangements

Absolute encoderA

Hand/auto clutch switching

Local control/auto hold

ESD beyondprotection

Two-wire control 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



Electric motor operated multi turn valve actuator with torque switch details

1. Torque Switch (Except AOX-QL-20/30/50/80)

Electric motor operated multi turn valve actuator with torque switch Providing overload protection to avoid the damage of valve and electric actuator when jammed by cutting power automatically.

2. Self-locking

Accurate worm and worm gear transfer large torque efficiently , high efficiency, low noise (max. 50 dB), long life, with self-locking, prevent inversion, as stable and reliable transmission parts, no need to refuel.

3. Anti-off bolt

The bolt for Electric motor operated multi turn valve actuator with torque switch attaches to the shell and be not off when remove the shell.