



Smart Part Turn Electric Actuator



Summary

The "AOX-Q" series of smart part turn electric actuators are used to control valves rotating 0°~270° and other products, such as butterfly valves, ball valves, etc., which are widely used in chemical, water treatment, paper making, power stations, building automation, light industry and other industries.

Product Introduction of the smart part turn electric actuator

Manual operation of "AOX-Q" series smart part turn electric actuator (clutch system): manual/automatic transfer handle and hand wheel are used for manual operation. After power on, the handle will automatically reset and switch to automatic mode. Cam and limit switch: It consists of two screws. The upper part is fastened and the setting is simple. Each cam can be set separately. Once the setting is completed, each cam will always remain at this position.



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Product Parameter (Specification) of the smart part turn electric actuator

| | | |
|-----------------------------------|--------------------------------------------------------------------------------------------|-----------------------------|
| Torque range: | 50~6000N.m | |
| Switching time: | 22~185 S | |
| Material of Actuator Body: | Aluminium Alloy | |
| Display Mode: | LCD, indication of opening(0-100%) and open/close fault | |
| Control Mode: | On-off signal control, Modulating (proportional regulation) control, Fieldbus Control etc. | |
| Limit switch: | 2×Open/ Close, SPDT,250VAC 10A | |
| Auxiliary limit switch: | 2×Open/ Close, SPDT,250VAC 10A | |
| Torque switch: | Close/Open, each 1, SPDT,250VAC 10A | Except AOX-Q-005/008/010 |
| Travel: | 90°±10° | 0°~270° |
| Fail safe/ Operating temperature: | Internal-placed thermal protection, Open 120℃ ±5℃/Close 97℃ ±5℃ | |
| Indicator: | Continuous position indicator | |
| Manual operate: | Declutching mechanism, operate by handwheel | |
| Self-locking device: | Self-locking by worm and worm gear | |
| Mechanical limit: | 2 × external adjustable stopper | |
| Space heater: | 30W(110V/220VAC) | |

| Model | Max Output Torque | 60/50Hz Operating Time | Max Drive Shaft Size | Power | Rated Current (A) | | | | Hand wheel Revolution | Weight |
|-----------|-------------------|------------------------|----------------------|-------|---------------------|-----------|--------------|------|-----------------------|--------|
| | | | | | single phase | | three phases | | | |
| | N·M | 90° | mm | W | 110V | 220V | 380V | 440V | N | Kg |
| AOX-Q-005 | 50 | 18/22 | Φ20 | 20 | 1.10/0.95 | 0.55/0.54 | 0.3/0.3 | N/A | 10 | 7.5 |
| AOX-Q-008 | 80 | 18/22 | Φ20 | 20 | 1.10/0.95 | 0.55/0.54 | 0.3/0.3 | N/A | 10 | 7.5 |
| AOX-Q-010 | 100 | 18/22 | Φ20 | 20 | 1.10/0.95 | 0.55/0.54 | 0.3/0.3 | N/A | 10 | 7.5 |

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| | | | | | | | | | | |
|-----------|------|---------|-----|-----|-----------|-----------|-----------|-----------|------|------|
| AOX-Q-015 | 150 | 21/25 | Φ20 | 40 | 1.65/1.67 | 0.88/0.84 | 0.31/0.31 | 0.30/0.31 | 11 | 17.3 |
| AOX-Q-020 | 200 | 21/25 | Φ20 | 40 | 1.67/1.67 | 0.89/0.85 | 0.31/0.31 | 0.30/0.31 | 11 | 17.3 |
| AOX-Q-030 | 300 | 26/31 | Φ32 | 90 | 1.85/1.86 | 0.92/0.92 | 0.35/0.35 | 0.34/0.34 | 13.5 | 22 |
| AOX-Q-050 | 500 | 26/31 | Φ32 | 120 | 3.60/3.62 | 1.55/1.58 | 0.59/0.59 | 0.58/0.58 | 13.5 | 23 |
| AOX-Q-060 | 600 | 26/31 | Φ32 | 120 | 3.65/3.62 | 1.60/2.20 | 0.60/0.59 | 0.59/0.58 | 13.5 | 23 |
| AOX-Q-080 | 800 | 31/37 | Φ40 | 180 | 4.10/4.10 | 2.15/2.20 | 0.85/0.85 | 0.79/0.79 | 16.5 | 29 |
| AOX-Q-120 | 1200 | 31/37 | Φ40 | 180 | 4.20/4.10 | 2.35/2.30 | 0.87/0.87 | 0.81/0.81 | 16.5 | 29 |
| AOX-Q-150 | 1500 | 78/93 | Φ40 | 120 | 3.65/3.62 | 1.60/2.20 | 0.60/0.59 | 0.59/0.58 | 40.5 | 77 |
| AOX-Q-200 | 2000 | 93/112 | Φ40 | 180 | 4.10/4.10 | 2.15/2.20 | 0.85/0.85 | 0.79/0.79 | 49.5 | 83 |
| AOX-Q-300 | 3000 | 93/112 | Φ40 | 180 | 4.20/4.10 | 2.35/2.30 | 0.87/0.87 | 0.81/0.81 | 49.5 | 83 |
| AOX-Q-400 | 4000 | 155/185 | Φ40 | 180 | 4.20/4.10 | 2.35/2.30 | 0.87/0.87 | 0.81/0.81 | 82.5 | 83 |
| AOX-Q-500 | 5000 | 155/185 | Φ40 | 180 | 4.20/4.10 | 2.35/2.30 | 0.87/0.87 | 0.81/0.81 | 82.5 | 83 |
| AOX-Q-600 | 6000 | 155/185 | Φ40 | 180 | 4.20/4.10 | 2.35/2.30 | 0.87/0.87 | 0.81/0.81 | 82.5 | 83 |

Transportation of the smart part turn electric actuator

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www.aox-privod.com

Package : Plywood case or carton packaging

Shipping: 15 days after payment



Manufacturing process of the smart part turn electric actuator



Our company has focused on the manufacture of electric actuators for twenty-five years and has a fairly mature manufacturing process and a perfect production process, with an annual production capacity of over 80,000 units. We have more than three hundred sets of production equipment and nearly two hundred sets of testing equipment, which are all purchased from well-known companies in China, with high production efficiency and processing precision. Each

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execution is strictly tested before leaving the factory to ensure the quality of each product.

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