



Basic Type Electric Part Turn Motor Actuator

Summary



AOX is a manufacturer of electric actuators from China. AOX is a motor supplier integrating R & D and manufacturing. "AOX-R" series is the basic type of **basic type electric part turn motor actuator** developed by AOX. It has the basic function of controlling valves. It is used to control

valves with $0^\circ \sim 270^\circ$ rotation and other similar products. It is widely used in multi-way valves, ball valves, plug valves, baffle valves, dampers, gate valves, butterfly valves and various special valves.

Product Introduction of the basic type of basic type electric part turn motor actuator

"AOX-R" series is a basic type of **basic type electric part turn motor actuator** developed by AOX company, and has obtained many certifications such as dnvgl, CCS and EU CE. The "AOX-R" series shell is made of hard aluminum alloy, which is anodized and coated with polyester powder. It has strong corrosion resistance, protection grade of IP67, NEMA 4 and 6, and IP68 is available. The fully enclosed squirrel cage motor has the characteristics of small volume, large torque and small inertia force. The insulation grade is h, and the built-in overheat protection switch can prevent the motor from being damaged by overheat.

The basic type of **basic type electric part turn motor actuator** is suitable for fire protection, petroleum, chemical industry, water treatment, environmental protection, military, new energy, ships, power stations and other industries. It uses AC380V / 220V / 110V AC power supply as the driving power supply and 4-20mA current signal or 0-10V DC voltage signal as the control signal to move the valve to the required position and realize its automatic control. The maximum output torque is 5000NM.

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Product Parameter (Specification) of the basic type of basic type electric part turn motor actuator

Torque range:	30 ~ 5000NM;
Switching time:	20 ~ 200S;
Ambient temperature:	20°C ~ + 70°C;
Control mode:	on-off / regulating / intelligent;
Protection grade:	IP67, (IP68 optional);
Material of actuator body:	aluminum alloy;
Limit switch:	2 * open / close, SPDT, 250V AC 10A;
Output flange:	bottom mounting dimension is in accordance with ISO5211 international standard;
Lubrication:	aluminum base grease (EP type);
Manual operation:	mechanical handle (optional handwheel);
Motor:	squirrel cage asynchronous click, insulation class H;
Dryer:	30W, optional.

Model	Max output torque	Operating Time 90°	Drive shaft (mm)		Power (W)	Rated current (A)	Weight (kg)
	N • M	(?90°)	Square	Deep			
AOX-R-003	30	20	11×11	15.5	8	0.25	2.1
AOX-R-005	50	30	14×14	18	10	0.24	3.6
AOX-R-008	80	30	14×14	18	10	0.26	3.6

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AOX-R-010	100	30	17×17	22.5	15	0.40	4.6
AOX-R-015	150	40	17×17	22.5	15	0.42	4.6
AOX-R-020	200	30	22×22	26	60	0.28	13
AOX-R-030	300	30	22×22	26	60	0.32	13.4
AOX-R-040	400	30	22×22	26	60	0.34	13.8
AOX-R-060	600	40	27×27	32.5	60	0.35	14
AOX-R-080	800	40	27×27	32.5	90	0.56	14.3
AOX-R-100	1000	40	27×27	32.5	90	0.59	14.5
AOX-R-160	1600	60	Max Φ 40	65	90	0.60	68
AOX-R-200	2000	60	Max Φ 40	65	90	0.62	68
AOX-R-300	3000	120	Max Φ 40	65	90	0.64	68
AOX-R-400	4000	200	Max Φ 40	65	90	0.66	68
AOX-R-500	5000	200	Max Φ 40	65	90	0.67	68

Product Feature And Application of the basic type of basic type electric part turn motor actuator

Other electric actuators



AOX-R series



The basic type of motor actuators produced by other factories do not have a reducer in the models with large torque. Because the aluminum alloy is used as the main housing, the motor actuators are easy to break. The "AOX-R" series developed by AOX, even if it is a basic type, models above 1600NM will also be equipped with a reducer, and the reducer housing is made of ductile iron. The worm gears of other models of our company are all of full worm wheel type, which can rotate 360 degrees. In this way, even if they are adjusted too much, they will not be damaged, and it is more convenient for fault handling.

Production details of the basic type of basic type electric part turn motor actuator

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The transmission part is more reasonable and reliable: the gear box body is all made of aluminum alloy, eliminating the problem of gear box cracking; the gears are all made of 40 chromium steel refined by secondary heat treatment, which is more solid and reliable. Wear resistance, fatigue resistance is stronger, more solid and reliable.



2. Motor temperature rise is lower: by increasing the size of the motor, under the same power, the capacitance capacity is reduced, reducing the starting current and reducing the degree of heat generation.

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