

AE2 type Electric Actuator Specifications

FEATURE

AE series with powerful motor and control board offers reliable automatic control of quarter-turn valves. The actuator provides maximum versatility in electrical control. AE2-120 / 300 / 600 / 02K / 06K type actuators have a self-lock system, and they are suitable for butterfly valves. (for AC power only)

SPECIFICATION

Classification	For Ball valve, Butterfly valve, Damper					For Ball valve			
Actuator type (□:Voltage code)	AE2-120-□	AE2-300-□	AE2-600-□	AE2-02K-□	AE2-06K-□	AE2-360-□	AE2-700-□	AE2-120-0	AE2-360-0
Voltage	100 / 110 V AC ±10 % 50/60 Hz (Code: 1) 200 / 220 V AC ±10 % 50/60 Hz (Code: 2)							24 V DC (Code: 0)	
Rated torque [N·m]	12	30	60	200	600	36	70	12	36
Operation time [s]	11 / 9.5 (50/60 Hz)	8.2 / 7 (50/60 Hz)	16 / 13 (50/60 Hz)	31 / 26 (50/60 Hz)		8.2 / 7 (50/60 Hz)	16 / 13 (50/60 Hz)	3 to 4.5	9 to 14
Power consumption [VA]	26	60		110	350	60		Max 24	
Motor	Synchro- nous motor	Reversible motor self-contained mechanical brake				Reversible motor		DC motor	
Overload protection	Timer							Current limiter	
Method of operation	a-contactinput type, with built-in relay								
Operation	SW is OFF → SHUT (SHUT signal is output.) SW is ON → OPEN (OPEN signal is output.) Overtorque → Alarm signal is output								
Input signal current	9 mA (O-terminal) Leakage current in SW: less than 1 mA								
Output signal rating	Resistance load 0.5 A 125 V AC / 1 A 24 V DC Micro load 1 mA 5 V DC								
Alarm signal	Output when the motor protection circuit operates by the overload. (it returns by power supply OFF or reverse operating signal)								
Duty cycle	20 % 15 min.								
Ambient temperature	-20 to 55 °C								
Space heater	3 W								
Manual operation	Manual shaft								
Enclosure	Equivalent to IP65 (IEC 60529)								
Housing material	Aluminum alloy diecast (acrylic resin baking finish)								
Wire connection	Terminal Block: M3, Ground terminal: M3								
Conduct port	2-G1/2 Attachments: Cable gland (for Φ6 to 12 mm cable), plug.								

3 way valve: SHUT / Position①, OPEN / Position②.

WIRING

