

AE1 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.
 AE-120 / 300 / 600 / 02K / 06K type actuators have a self-lock system, and they are suitable for butterfly valves.

SPECIFICATION

Classification	For Ball valve, Butterfly valve, Damper					For Ball valve	
Actuator type (□:Voltage code)	AE1-120-□	AE1-300-□	AE1-600-□	AE1-02K-□	AE1-06K-□	AE1-360-□	AE1-700-□
Voltage	100 / 110 V AC ±10 % 50/60 Hz (Code: 1) 200 / 220 V AC ±10 % 50/60 Hz (Code: 2)						
Rated torque [N·m]	12	30	60	200	600	36	70
Operation time [s]	10 / 8.5 (50/60 Hz)	7.2 / 6 (50/60 Hz)	15 / 12 (50/60 Hz)	30 / 25 (50/60 Hz)		7.2 / 6 (50/60 Hz)	15 / 12 (50/60 Hz)
Power consumption [VA]	19	60		110	350	60	
Motor	Synchronous motor	Reversible motor self-contained mechanical brake				Reversible motor	
Overload protection	Thermal protector						
Method of operation	Transfer input type						
Operation	Power to S → SHUT (SHUT PL is lit.) Power to O → OPEN (OPEN PL is lit.)						
Output signal rating	Resistance load 3 A 250 V AC (Minimum 0.1 A)						
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

