

AM1 type Electric Actuator Specifications

FEATURE

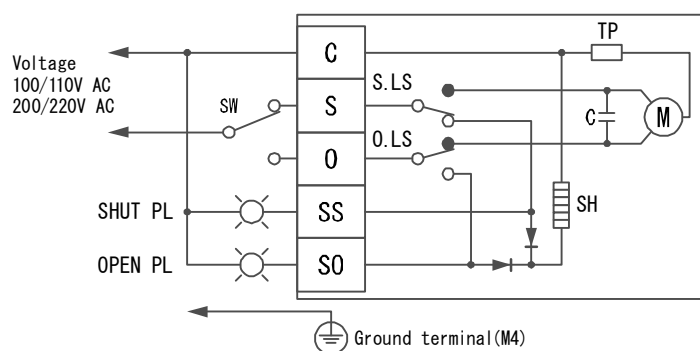
A lightweight and economical electric actuator for AC power supply.

SPECIFICATION

Actuator type (□:Voltage code)	AM1-030-□	AM1-070-□	AM1-180-□
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]	3	7	18
Operation time [s]	5.4 / 4.5 (50/60 Hz)	15.5 / 13 (50/60 Hz)	16 / 13.5 (50/60 Hz)
Power consumption [VA]	16		19
Motor	Synchronous 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	1 W		
Manual operation	Direct operation of actuator by loosening lock screw		
Enclosure	Equivalent to IP65 (IEC 60529)		
Housing material	Aluminum alloy die cast + Polycarbonate resin cover		
Terminal block	For bare wire 0.14 to 1.5 mm ² (AWG 26 to 14) Ground terminal: M4		
Conduct port	G3/8 Cable gland (for Φ5 to 10.5 mm cable)		

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

WIRING



- SW : Switch
- S. LS : SHUT Limit switch
- O. LS : OPEN Limit switch
- M : Motor
- SHUT PL : SHUT pilot lamp
- OPEN PL : OPEN pilot lamp
- C : Condenser
- TP : Thermal protector
- SH : Space heater

Note) Control switch should be prepared one by one for actuator.
Do not operate two or more actuator from one switch. It might malfunction.