

## AM2 type Electric Actuator Specifications

### FEATURE

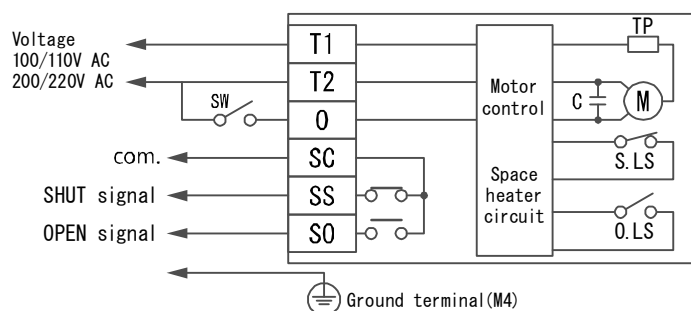
A lightweight and economical electric actuator with normally-opened contact for AC power supply.

### SPECIFICATION

| Actuator type (□:Voltage code) | AM2-030-□                                                                                                     | AM2-070-□            | AM2-180-□            |
|--------------------------------|---------------------------------------------------------------------------------------------------------------|----------------------|----------------------|
| Voltage                        | 100 / 110 V AC $\pm 10\%$ 50/60 Hz (Code: 1)<br>200 / 220 V AC $\pm 10\%$ 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]         | 18                                                                                                            |                      | 19                   |
| Motor                          | Synchronous motor                                                                                             |                      |                      |
| Overload protection            | Thermal protector                                                                                             |                      |                      |
| Method of operation            | a-contactinput type, with built-in relay                                                                      |                      |                      |
| Operation                      | SW is OFF $\rightarrow$ SHUT (SHUT signal is output.)<br>SW is ON $\rightarrow$ OPEN (OPEN 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 / 2 A 30 V DC<br>Micro load 1 mA 5 V DC                                        |                      |                      |
| Duty cycle                     | 20 % 15 min.                                                                                                  |                      |                      |
| Ambient temperature            | -20 to 55 °C                                                                                                  |                      |                      |
| Space heater                   | 1W                                                                                                            |                      |                      |
| 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 <sup>2</sup> (AWG 26 to 14) Ground terminal: M4                                  |                      |                      |
| Conduct port                   | G3/8 Cable gland (for $\Phi 5$ 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  
C : Condenser  
TP : Thermal protector

- Note)
- Two or more actuators can be operated with one control switch.
  - When using control switch with current leakage (more than 1 mA) such as TRIAC or relay with CR, it can cause malfunction.