

HD1 type Electric Actuator Specifications

FEATURE

HD series with powerful motor and control board offer reliable automatic control of quarter-turn valves.
 These actuators provide maximum versatility in electrical control.
 The use of self-locking worm gear is standard and ensures positive valve position.

SPECIFICATION

Actuator type (□:Voltage code)	HD1-300-□	HD1-700-□	HD1-02K-□	HD1-06K-□
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]	30	70	200	600
Operation time [s]	1 to 2	3 to 5	8 to 15	24 to 45
Power consumption (Max) [VA]	150			
Motor	DC motor			
Overload protection	Thermistor			
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 10 A 250 V AC (Minimum 27 mA)			
Duty cycle	20 % 15 min. (When ambient temperature is over 50 °C, 10 % 15 min.)			
Ambient temperature	-20 to 55 °C			
Space heater	0.8 W			
Manual operation	Manual over-ride with clutch. (Direct operation / 06K: Operation by 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

