

PERFORMANCE

TYPE (MODEL)	MAXIMUM OUTPUT TORQUE		OPERATING TIME 60/50Hz 90°	MOUNTING SIZE ISO5211	MOTOR CLASS E FRAME SIZE W * F	RATED CURRENT(A) 60Hz			DUTY CYCLE IEC34-1 S2 (%)	NUMBER OF HANDLE TURN N	WEIGHT kg
	Kg.m	N.m				AC 1PH . 60HZ/50HZ		DC			
			110V	220V	24V						
HQ-006	6	58	12/14	F03/F05/F07	6 * 70	0.4 / 0.39	0.2 / 0.19	0.2	35	8	3

STANDARD SPECIFICATION

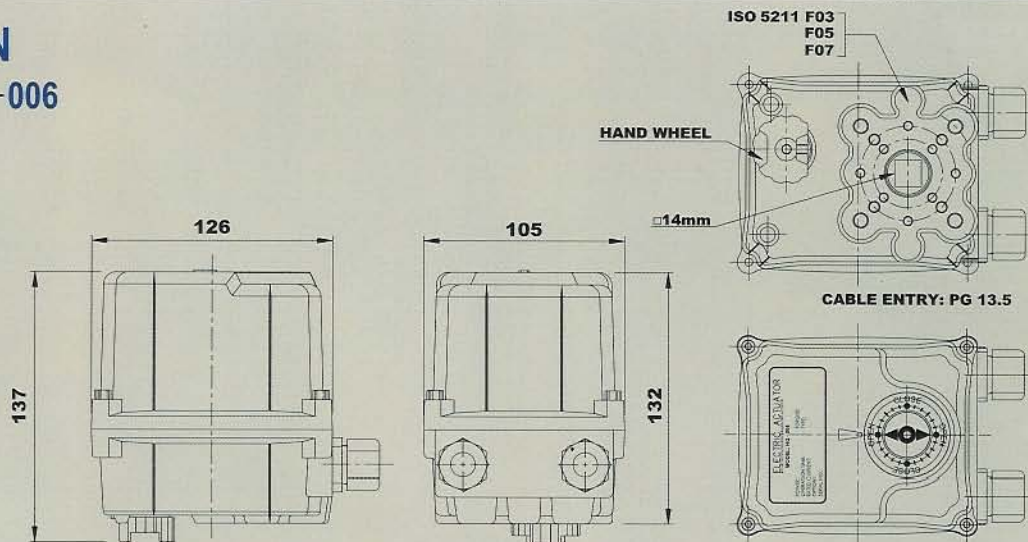
Enclosure	Weatherproof enclosure IP65
Power supply	110/220V AC 1PH, 24V DC 1PH 50/60Hz, ±10%
Duty cycle(on-off duty)	S2 35%
Motor	Reversible motor
Limit switches	2 x open/close, SPDT, 250V AC 3A rating
Additional limit switches	2 x open/close, SPDT, 250V AC 3A rating
Space heater	2W (110/220V AC) Anti-condensation
Manual override	Handwheel and hexagon
Conduit entries	Two PG13.5 Tap (Option: NPT1/2",PT1/2",PF1/2")
Movement angle	320° ± 10°(0° ~ 330°)
Ambient temperature	-20°C ~ 70°C
External coating	Dry powder, Polyester

OPTION SPECIFICATION

PIU	Potentiometer unit(1K~10K)
PCU	Proportional control unit (in/out:0-10V,4-20mA)
CPT	Current position transmitter(output 4-20mA DC)
DCM	DC motor (24V DC)
LPA	Lever plate actuator
LCU	Local control unit (remote/open/stop/close s/w)

DIMENSION

HQ-006



APPLICATION



BUTTERFLY VALVES
BALL VALVES
DAMPER VALVES
PLUG VALVES

VALVE AUTOMATION (ROTARY MOTION VALVES)

HQ ELECTRIC ACTUATOR

DESCRIPTION

- HQ-006 Actuator is newly designed and invented for small size valve automation like ball, butterfly plug and even dampers.
- Small, light and compact design, high torque and various control options will meet your specific requirements.
- HQ provides high technical service & quality products for your automation system.



FEATURES

- Compact and light due to high grade aluminum alloy for housing.
- High resistance for corrosion due to hard anodizing on inside & outside and polyester coating on external surface.
- Output torque: 60Nm(6kg.m).
- The actuator motor shall be of reversible, high torque, low current design.
- Solid with o-ring system giving Weatherproof .(IP65)

STANDARD CONFIGURATION

- Manual Override (Handwheel and Hexagon)
- Wide, easy mounting base standard to ISO5211(F03/F05/F07)
- Standard 4 limit switches.
2 for operation, 2 for extra(dry contacts)
- Captive cover bolt.
- Standard space heater.
- Limit switches for easy and tight setting.
- Terminal block.(11P)
- Standard color: Red or Blue

OPTION CONFIGURATION

-Position indication unit (Potentiometer kit, PIU)

High resolution potentiometer with precisely machined gearing directly engaged with driving shaft provides continuous monitoring of position of valve and actuator



- Proportional control unit (PCU)

- HQ PCU is a combination of electronic positioner.
- Input signal range :
4~20mA, or 0~10VDC
- Output signal range :
4~20mA, or 0~10VDC
- Adjustable range :
zero 8mA, open 16mA
- Position conversion accuracy :
0.5~1.5%(depends on installation)

