

HQ-005 Electric Actuator

Features

- Multi voltage design (Single phase & 24V)
- High corrosion resistance, anodized & painted housing
- 4 off Limit switches
- Torque output: 50 Nm
- Low current, long-life actuator due to unique brushless DC motor ensuring high reliability
- 2 off M20 cable entries
- IP67 weatherproof enclosure
- F03/F04/F05/F07 mounting base with 14mm Star drive
- Captive cover bolts
- Visual beacon indicator & LED lamps
- 70% Duty Rating (on/off only)
- Declutchable manual override handwheel
- Electronic torque limiter

Specifications

Enclosure	Weatherproof enclosure IP67
Power supply	85 - 265 VAC 1 ph, 50/60 Hz 24 VAC/DC
Duty cycle	S4: 70% (average load of 80% Max. torque) S2: 50% (average load of 80% Max. torque)
Motor	BLDC motor
Limit switches	2 x open/close, SPDT, 250 V ac 10 A rating
Additional limit switches	2 x open/close, SPDT, 250 V ac 10 A rating
Anti-condensation board	2 W
Manual override	Manual Handwheel
Cable entries	Standard: 2 x M20
Movement angle	320 ± 10° (0 - 330°)
Ambient temperature	-20 to +80 °C

Option Specifications

PIU	Potentiometer unit (1-10 kΩ)
PCU	Proportional control unit (in/out: 0-10V or 4-20 mA)
CPT*	Current position transmitter (output: 4-20 mA dc)
WTA	Watertight enclosure actuator (IP68 10 m 72 hr)
PRO1*	Profibus DP interface module (single & redundancy)
MOD1*	Modbus module (single & redundancy)
TS	Torque overload indicator via flashing LED module

*Note: These options are currently under development.

Article no.	Voltage	Torque Nm	Mounting Details	Price £	Price €
HQ005	single phase	50	F03/F04/F05/F07	£376.30	€451.60
HQ005-24	24V	50	14mm STAR	£376.30	€451.60
HQ005PCU*	all voltages	50		£974.40	€1,169.30
HQ005RBP**	2V DC - 230V 110AC	50		£772.80	€927.40

* with in-built PCU 4-20mA/0-10V Positioner

** Battery back-up included - can be set fail open or fail closed

Performance

Model	Max Output Torque	Operating Time 50/60Hz	Mounting Base	Motor Stop Electric Current	Rated Current (A)			Duty cycle IEC34-1		Weight Kg
					1 phase, 50/60 Hz	24 VAC/DC		S4	S2	
		90°	ISO 5211		110V	220V				
HQ-005	50Nm	13 Secs.	F03, F04, F05, F07	0.1A	0.39/0.4	0.19/0.2	0.2	70%	50%	3

Dimensions

