

QUARTER-TURN TECHNICAL SPECIFICATION

ELECTRIC ACTUATOR MODEL:

Battery Fail Safe

50/60Hz, 1 Phase / 24V ACDC, On/Off, Modulating type



Power Lost Mode

** Power lost position can be preset to open, close, or on position.

Power Lost Operation Cycle

** 5 x full cycle

Battery

** 24VDC, 1500mAh, charging 5 hours

Specification	050	100	200	400	600	800	1000
Max Torque(N.m)	50	100	200	400	600	800	1000
Max Torque(lbf.in)	443	885	1770	3540	5310	7080	8850
Operation Time(Sec)	15	19	39	39	39	47	47
Power (Watts)	10	40		90			120
Standard Voltage	AC / DC 24V						
Control Signal	On/Off digital signal; Modulating, 4~20mA or 0-10V or 2-10V						
Feedback Signal	On/Off - Dry contact position feedback; (rated 5A @250V AC) Modulating - 4-20mA or 0-10V or 2-10V position analog feedback;						
Duty Cycle	On/Off: S2~15min (≤ 60 starts per hour), Modulating: S4~50% (600 trigger per hour)						
Standard Features							
Enclosure	IP67						
Motor Stall Protection	Built in over current protector						
Space Heater	Anti condensation heating resistance						
Manual Operation	Push in handwheel declutchable mechanism	With handwheel, Non-Clutch mechanism for automatic manual switch					
Mechanical Stopper	NIL	External adjustable for open and close travels					
Limit Switches	2 x Open / Close, 5A @250VAC, 2 x auxiliary switches						
Indicator	3D position indicator						
External Coating	Epoxy Powder Coating						
Travel Angle	90° (± 5°)						
Ambient Temperature	-20 °C ... +50 °C						
Housing	Alluminium alloy (Optional plastic cover)	Alluminium alloy					

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Optional Features

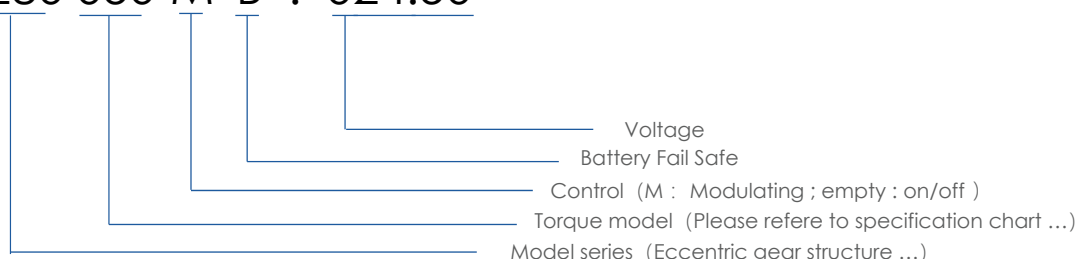
Torque Switch	Open / Close, 5A @250VAC
Enclosure	IP68 (15m under water for max. 72 hours)
Motor	Class B DC motor
Positional Feedback	1KΩ Potentiometer unit (Ω value can be customized)
Fault Feedback	Fault signal: over torque / lost of signal
Coating	NEMA4 / 4X anti corrosion epoxy coating

ISO 5211 Mounting

	050	100	200	400	600	800	1000
Valve Coupling	F03 / F05 / F07	F05 / F07 / F10 / F12	F10 / F12 / F14				
Multi-drilled	F03 + F05 + F07 (With 17mm SQ drive only F05+F07 available)	F07 + F10	F10 + F12				
Square drive size	11mm / 14mm / 17mm	14mm/17mm/22mm	22mm / 27mm / 30mm				
Max. Diameter	-	22mm	35mm				
Max. Two Flat	-	22mm	30mm				
Max. Valve Stem length	20mm	35mm	55mm				

Part Numbering

8280 050 M B . 024.50



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Dimension (mm)	050	100	200	400	600	800	1000
A	218	265	321				
B	223	217	206				
C	115	79	103				
D	219	216	262				
E	76	120	150				
F	118	240	297				
G	11mm / 14mm / 17mm	14mm / 17mm / 22mm	22mm / 27mm / 30mm				
H	20	35	55				
ΦI	36 / 50 / 70	50 / 70 / 102 / 125	102 / 125 / 140				
J	4-M5 / 4-M6 / 4-M8	4-M8	4-M10 / 4-M12	4-M12			

