

50/60Hz, 1 Phase, AC/DC, On/Off, Modulating type




Specification	EFM1	EFMA	EFM1-H	EFMA-H	EFMB-H
Max Torque(N.m)	35	50	35	50	80
Max Torque(lbf.in)	310	443	310	443	708
Operation Time/Sec 110V/220V@50Hz	11	15	11	15	22
Operation Time/Sec @24V	8	10	8	10	15
Power (Watts)	10				
Standard Voltage	1 Phase : 50 Hz AC 220 / 230 / 240 , 60 Hz AC 110 / 120 / 220 / 230 / 240,			±10 %	
Optional 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	F grade motor with built in thermal protection (Open 135° ± 5%, Close 90° ± 5%) (Only single phase)				
Space Heater	Anti condensation heating resistance				
Manual Override	Manual lever operated	Non clutch handwheel for automatic manual switch			
Mechanical Stopper	1 each				
Limit Switches	1 x Open / Close, 5A @250VAC, 1 x open/close auxiliary limit switches				
Gear type	Spur gear				
Indicator	3D position indicator				
External Coating	Epoxy Powder Coating				
Travel Angle	90° (± 5°)				
Ambient Temperature	-25 °C ... +70 °C				
Housing	Alluminium alloy (Optional plastic cover)				

TECHNICAL SPECIFICATION

ELECTRIC ACTUATOR MODEL:

EFM 1/A/B (-H)

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Optional Features		
Enclosure	IP68 (15m under water for max. 72 hours)	
Motor	H grade motor (75% duty cycle)	
Positional Feedback	1KΩ Potentiometer unit (Ω value can be customized)	
Explosion Proof	N/A	ATEX / Nepsi / IECEx / CSA / Ex d IIC T4~6 Gb Ex tb IIICT135°C
Fail-Safe	Lithium battery fail safe	
	Super capacitor fail safe	
Coating	NEMA4 / 4X anti corrosion epoxy coating	
Control unit	Lamp display / Control knobs (Local/Remote, Open/Close/Stop)	
		

ISO 5211 Mounting	
Valve Coupling	F03 / F05 / F07
Multi-drilled	F03 + F05 + F07 (With 17mm SQ drive only F05+F07 available)
Square drive size	11mm / 14mm / 17mm
Max. Valve Stem length	20mm

Part Numbering Example

EFMB – H – O – gB – K2

