



35M048B

Technical Specifications

Part Number	35M048B1U	35M048B2U	35M024B1U	35M024B2U	35M020B1U	35M020B2U
DC operating voltage	5	12	5	12	5	12
Resistance per winding (ohms)	12.5	72	12.5	72	12.5	72
Inductance per winding (mH)	7.8	36	7.2	32.8	6.8	32
Holding torque* (mNm / oz. in)		18.4/2.6	16.93/2.4		13.4/1.9	
Rotor moment of inertia (g.m <sup>2</sup> )		2 x 10 <sup>-4</sup>	2 x 10 <sup>-4</sup>		2 x 10 <sup>-4</sup>	
Detent torque (mNm / oz.-in)		2.2/0.30	2.2/0.30		2.2/0.30	
Step angle		7.5°	15.0°		18.0°	
Step angle tolerance*		+/- 0.5%	± 1°		± 1.2°	
Steps per revolution		48	24		20	
Maximum operating temperature	100°C					
Ambient temperature range						
operating	-20°C to 70°C					
storage	-40°C to 85°C					
Bearing type	sintered bronze sleeve					
Insulation resistance at 500Vdc	100 megohms					
Dielectric withstanding voltage	650 ± 50 VRMS 60 Hz for 2 seconds					
Weight (g/oz)	79/2.8					
Leadwires	28 AWG, UL Style 1430					

\*Measured with 2 phases energized

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