



Recommended Options



ML23HSAL4500-E

Stepper motor, Double shaft, High torque, Low inertia, Fast raising speed, 2 phase, 1.8°, NEMA23

- Low Inertia, Quick Response
- High Torque, High Efficiency
- Low Vibration, Low Noise
- Available options for Drives, Flexible Coupling, Damper

Learn More About [NEMA 23 Standard Hybrid Stepper Motors](#)



Specification	Torque Speed Curves	Mechanical Size	Downloads	Recommended Options	Delivery & Packaging
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Parameter	Unit	Value
Phase		2
Step Angle		1.8°
Shaft		Double
Frame Size		NEMA23(56.4mm)
Length	m m	77
Rated Current	A	5
Holding Torque	Nm	2.3
Holding Torque	oz-in	325.73
Resistance	Ohms ±10%@20°C	0.39
Inductance	mH Typ.	1.53
Coil Type		Bi-Polar
Detent Torque	mNm	75
Rotor Inertia	gcm ²	391
Front Shaft Length	m m	20.6
Front Shaft Diameter	m m	6.35
Rear Shaft Length	m m	13
Rear Shaft Diameter	m m	6.35
Terminal Number		4
Connect		Leads
Insulation Class		B(130°C)
Approvals		UL,RoHS
IP Rating		IP40
Weight	kg	1



SR8-Plus

Supply Voltage:24VDC-75VDC, Output Current(peak):2.4Amps-7.8Amps, Step Resolutions(1.8°Stepper): Full Step, 2x, 4x, 5x, 8x, 10x, 16x, 20x, 25x, 32x, 40x, 50x, 64x, 100x, 125x, 128x Microstepping, Step Pulse Frequency:2MHz Max, Selectable Damping Modes For Smooth Motion



Damper00014

Shock Absorber, Vibration Damper for Stepper Motor



AMT102-C1

Modular Incremental Encoder

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