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Item # PMC33A1-MG20, 5-Phase Stepping System

\$371.00



5-Phase Stepping System

The PMC series combines a high-torque miniature 5-phase stepping motor with a board-level, credit card sized driver.

- High output
- Highly reliable photocoupler input
- Selectable: Full Step/Half Step
- 1-Pulse/2-Pulse input mode

SPECIFICATIONS

Product Line	VEXTA ®
Motor Type	5-Phase Full/Half-Step
Motor Frame Size	1.1 in. sq.
Power Supply	24/36 VDC
Gear Ratio (X:1)	20 :1
Gear/ Shaft Type	MG Geared
Shaft	Single
Step Angle	0.036 °
Maximum Holding Torque (lb-in)	3
Permissible Speed Range (r/min)	0 ~ 150
Rotor Inertia (oz-in ²)	0.049 oz-in ²
Available to Ship	6 weeks (1-5 pcs)
RoHS Compliant	No
Insulation Resistance	[Motor] 100 M Ω minimum under normal temperature and humidity, when measured by a 500 VDC megger between the motor coils and casing.
Dielectric Strength	[Motor] Sufficient to withstand 0.5 kV, 60 Hz applied between the motor coils and casing for 1 minute under normal temperature and humidity.
Insulation Class	[Motor] Class B [266°F (130°C)]
Ambient Temperature Range	[Driver] 32°F ~ 104°F (0°C ~ 40°C) (nonfreezing) [Motor] 14°F ~ 122°F (-10° ~ 50°C) (nonfreezing)

Ambient Humidity	85% or less (noncondensing)
Operating Atmosphere	No corrosive gases, dust, water or oil.
Temperature Rise	Temperature rise of the coil measured by the Change Resistance Method is 144°F (80°C) or less (at standstill, five phases energized).
