

Item # PK545NAWA, 5-Phase Step Motor

\$82.00



5-Phase Step Motor

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SPECIFICATIONS

Product Line	VEXTA ®
Motor Type	5-Phase Full/Half-Step
Motor Frame Size	1.65 in. sq.
Shaft	Single
Shaft/Gear Type	Round Shaft (No Gearhead)
Lead Wires	5
Current per Phase (A/phase)	0.75
Step Angle	0.72 °
Rotor Inertia (oz-in ²)	0.37 oz-in ²
Maximum Holding Torque (lb-in)	2.13
RoHS Compliant	No
Safety Standards	UL CSA CE
Insulation Resistance	100 M Ω minimum under normal temperature and humidity, when measured by a 500 VDC megger between the motor coils and casing.
Dielectric Strength	Sufficient to withstand 1 kV, 60 Hz applied between the motor coils and casing for 1 minute under normal temperature and humidity.

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).
Insulation Class	Class B [266°F (130°C)], Recognized as Class A [221°F (105°C)] by UL and CSA standards.
Ambient Temperature Range	14°F ~ 122°F (-10° ~ 50°C) (nonfreezing)
Ambient Humidity	85% or less (noncondensing)
Shaft Runout	0.002 in (0.05 mm) T.I.R. at top of output shaft
Concentricity	0.003 in. (0.075 mm) T.I.R.
Perpendicularity	0.003 in. (0.075 mm) T.I.R.
Radial Play	0.001 inch (0.025 mm) max. of 1.12 lb. (5 N)
Axial Play	0.003 in (0.075 mm) max. of 2.2 lb. (10 N)