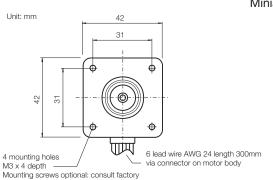
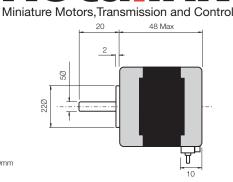
Hybrid Stepping Motors

M174518K624

Issue 02





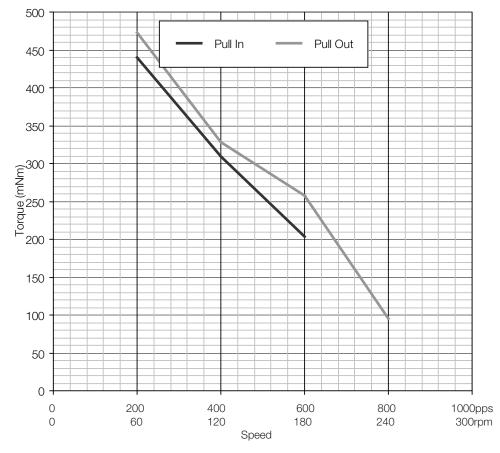
Rotalin

Model Number	Phase voltage (V)	Phase current (A)	Phase resistance (Ω)	Phase inductance (mH)	Detent torque (mNm)	Winding
M174518K624	24.0	0.92	26.0	30.0	17.7	Uni-polar

General Specification

Holding Torque 650mNm Step angle 1.8° Step accuracy ± 5% 7.5 kgm²x10⁻⁶ Rotor Inertia 80°C (max.) Temperature rise -20°C to +50°C Ambient temp. range $100M\Omega$ (min) at Insulation resistance 500V DC Dielectric strength 500V AC 1min Radial play 0.02mm (max.) with 450g load Weight 350g

Characteristics



Drive: Full step Uni-polar chopper drive @ 24V & nominal phase current

Full step uni-polar sequence

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CW dir.	Step 1	Step 2	Step 3	Step 4				
Blue	Off	Off	On	On				
Orange	On	On	Off	Off				
Red	Off	On	On	Off				
Yellow	On	Off	Off	On				
WHITE ORANGE RED BLACK YELLOW (Connect Black and White to positive supply)								

Contact:

www.rotalink.com info@rotalink.com T: +44 (0)1460 72000 F: +44 (0)1460 74278

Rotalink Limited Cropmead, Crewkerne Somerset TA18 7HQ, UK

www.rotalink.com