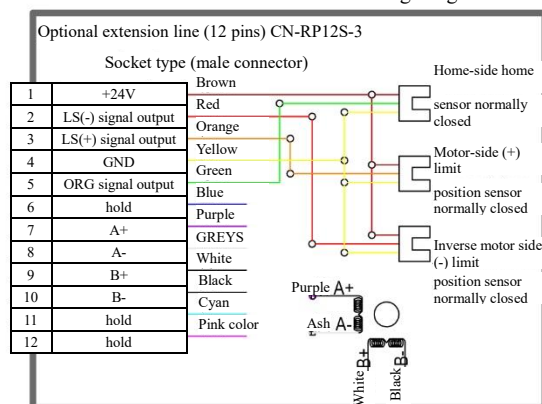


YK-L4015U-SSL-2C-615 Wiring Diagram



Product parameters:

Model:

YK-L4015U-SSL-2C-615

Stroke: $\pm 7.5\text{mm}$

Motor: STP-28D1012-01

Drive current: 1A

Screw type: Ball screw

Screw parameters: diameter

6mm/pitch 1mm

Resolution (Full/Half):

$5\mu\text{m}/2.5\mu\text{m}$

Repetitive positioning accuracy:

$\pm 1\mu\text{m}$

Positioning accuracy: $15\mu\text{m}$

Reverse gap: $2.5\mu\text{m}$

Straightness: $10\mu\text{m}$

Parallelism: $20\mu\text{m}$

Maximum speed: 10mm/s

Material: SUS-440C

Load: 98N (10Kgf)

Weight:

Motor parameters:

Stepping angle: $1.8^\circ(\text{DEG})$ full step/FULL STEP

Number of phases: 2-phase bipolar 2-phase excitation

Rated voltage: 24 V D.C

Rated current: 0.67 A/phase

Resistance: $6.5\Omega \pm 10\%$

Inductance: $3.2\text{mH} \pm 20\%$

Holding torque: Above $60\text{mN}\cdot\text{m}(600\text{gf}\cdot\text{cm})$

Operating torque: $5\text{mN}\cdot\text{m}(50\text{gf}\cdot\text{cm})$ reference value

Insulation withstand voltage: 500V A.C for 1 minute, without abnormality

Insulation resistance: Above 100 M Ω

Insulation class: UL B/CLASS B winding (COIL)

Temperature rise: Below 80 K (80 DEG)/MAX

Rotary inertia: About $9\text{g}\cdot\text{cm}^2$

Weight: About 140g

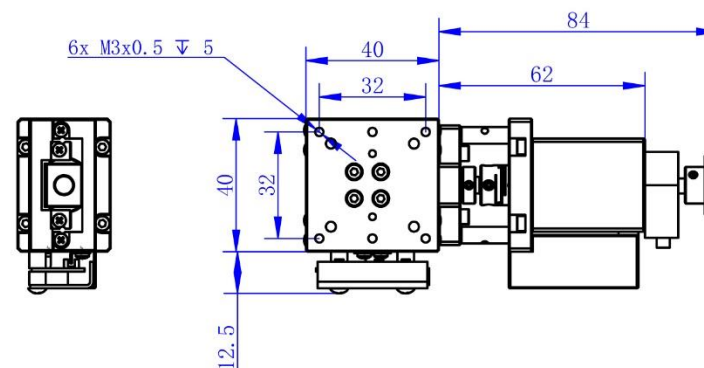
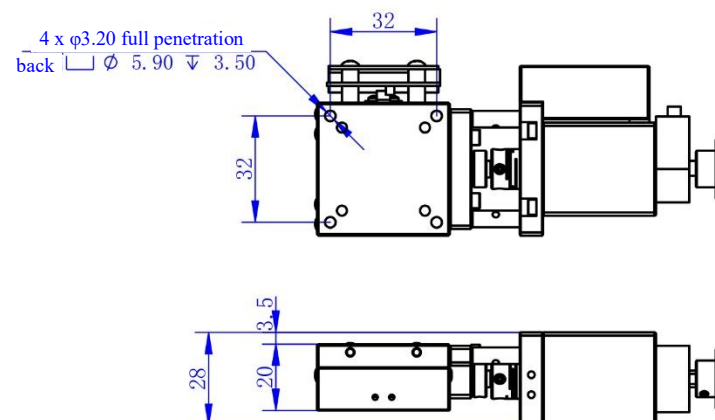
Allowable axial load: 5N

Allowable radial load: 25N

Operating ambient temperature: $0^\circ\text{C} \sim +50^\circ\text{C}$

Operating ambient humidity: 20% RH~90% RH

Lifetime: Over 20,000 hours



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No.	Date	Change content	Designer	Guangdong Kaifull Electronics Technology Co., Ltd.			