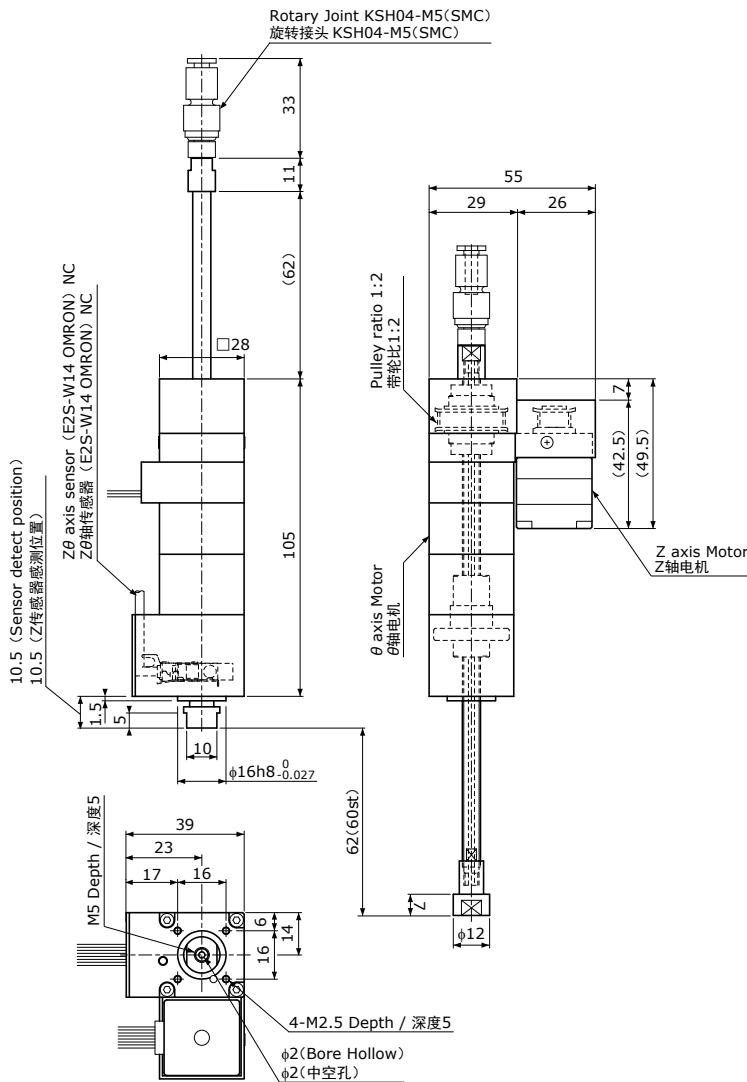


HDVZ28 - G10 - 060 N

□25/28 (NEMA10/11) 2-phase Stepping Motor(2相步进电机)
Lead(导程)10mm Travel(行程) 60mm



Parts List 主要部件	
Motor 电机	Z NEMA 10 Stepping Motor 0.7A/phase □25 步进电机 0.7A/相
	θ NEMA 11 Hollow Stepping Motor 0.67A/phase □28 中空步进电机 0.67A/相
Drive Screw 驱动丝杠	Ball Screw f6 (Lead 10mm) 滚珠丝杠 f6 (导程 10mm)
Sliding Guide 导向结构	Ball Spline f6mm 滚珠花键 f6mm
Sensor (Linear, Rotary) 传感器 (直动、旋转)	Proximity Sensor E2S-W14-1M(OMRON) 近距离传感器 E2S-W14-1M(欧姆龙)

Z-axis Motor / Z轴电机

A	Red(红)
A̅	Yellow(黄)
B	Blue(蓝)
B̅	Orange(橙)

UL1061,AWG26(300mm)

θ-axis Motor / θ轴电机

A	Black(黑)
A̅	Green(绿)
B	Red(红)
B̅	Blue(蓝)

UL1061,AWG24(300mm)

Sensor(Z,θ-axis) / 传感器(Z,θ轴)

+12~24V	Brown(褐)
LS	Black(黑)
GND	Blue(蓝)

1000mm

规格 / Specifications

※The numbers in table below are reference. Detail dimmensions will be provided by drawing.
※以下为参考值。详情记载于规格图中。

Items 项目	Z Axis Z轴	θ Axis θ轴
Movable Range 动作范围	60mm	± 360°
Repeatability 重复定位精度	±0.020mm	±0.03°
Resolution 分辨率	25μm (Full Step / 整步)	1.8° (Full Step / 整步)
Maximum Speed 最高速度	200mm / sec	3 rev / sec
Maximum acceleration 最大加速度	1 m/sec ²	150 π rad/sec ²
Reference Thrust Force 参考推力	5N	—
Maximun Permissible Moment 最大允许惯性力矩	—	0.15 × 10 ⁻⁴ kg · m ² (※1)
Reduction ratio 减速比	1/2	—
Mass 重量	440g	
Operating Temperature 使用温度范围	0~40°C(No Condensation) 0~40°C(无结露)	

※1 For the Maximum Permissible Moment, see "Reference of Moment of Inertia" table above.

※2 For the technical information, see " Actuator Technical Description".

※1 θ轴最大允许负载力矩请参照“负载力矩标准”。

※2 技术数据请参照执行器技术解说。

Reference of Moment of Inertia 负载偏心力矩标准		
Dia. / 直径	Height / 高度	
	Aluminum 铝材	Steel 铁材
f20mm	340mm(300g)	120mm(300g)
f30mm	65mm(130g)	25mm(130g)
f40mm	20mm(75g)	7.5mm(75g)

Precautions

- 1) The Z-axis does not have brake device. Please be careful when the power supply is switched off in case of Z-axis may free-fall.
- 2) Reference of Moment of Inertia table shows the theoretical values. KSS recommends that you should apply actual moment to the machine and confirm the safety operation before use.

注意事项

- 1) Z轴不附带制动结构。关闭电源时Z轴可能会下落, 敬请注意。
- 2) “负载力矩标准”为理论值。建议在使用前以实际负载的力矩进行动作确认。