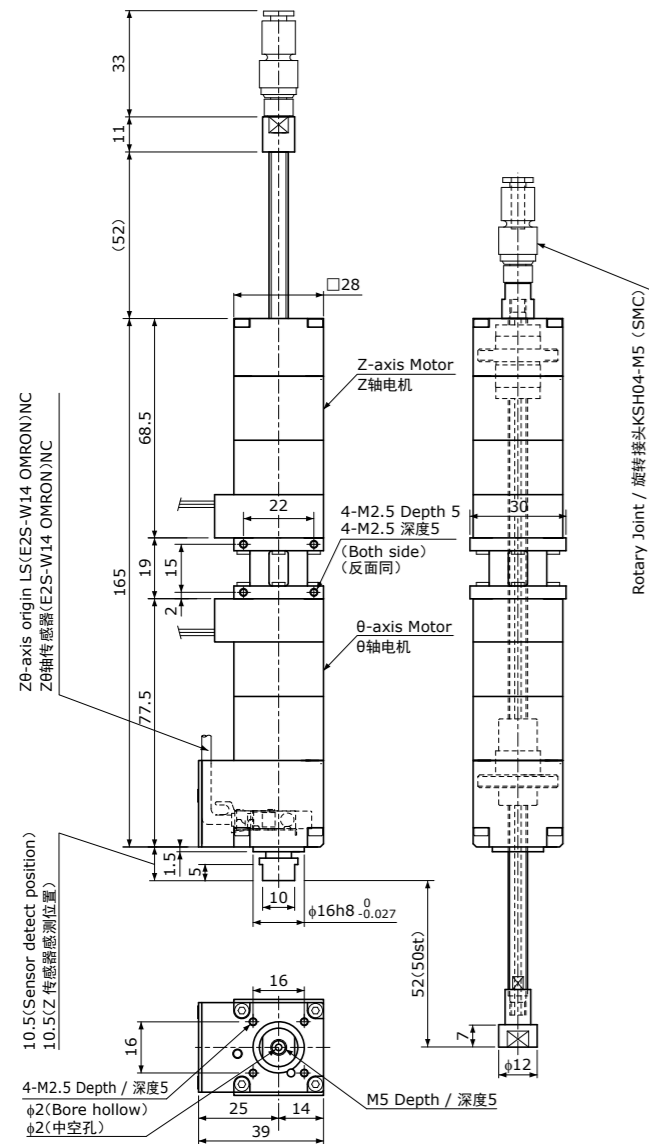


DDVZ28 - G10 - 050 N

□28 / NEMA 11 2-phase Stepping Motor(2相步进电机)
Lead(导程) 10mm Travel(行程) 50mm

Parts List 主要部件	
Motor 电机	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)

Motor(Z,θ-axis) / 电机(Z,θ轴)

A	Black(黑)
A	Green(绿)
B	Red(红)
B	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

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

●规格 / Specifications

Items 项目	Z Axis Z轴	θ Axis θ轴
Movable Range 动作范围	50mm	± 360°
Repeatability 重复定位精度	±0.010mm	±0.03°
Resolution 分辨率	50μm (Full Step / 整步)	1.8° (Full Step / 整步)
Maximum Speed 最高速度	120mm / sec	3 rev / sec
Maximum acceleration 最大加速度	0.6 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)
Mass 重量	540g	
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。

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

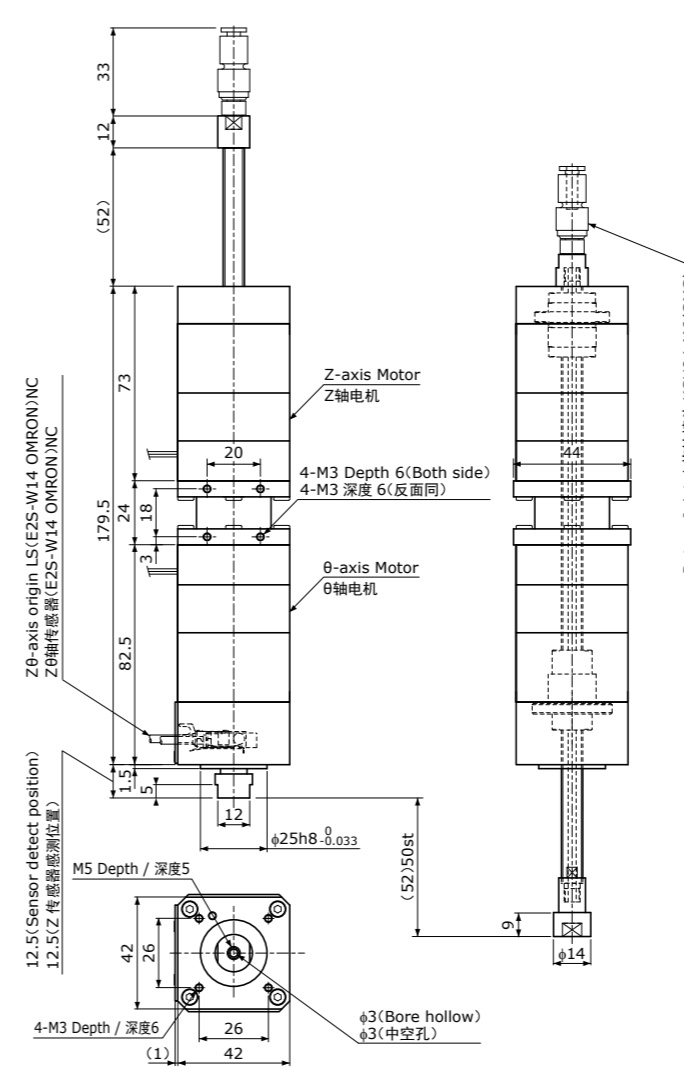
Precautions

- The Z-axis does not have brake device. Please be careful when the power supply is switched off in case Z-axis may free-fall.
- 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

- 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。
- “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。

DDVZ42 - G10 - 050 N

□42 / NEMA 17 2-phase Stepping Motor(2相步进电机)
Lead(导程) 10mm Travel(行程) 50mm

Parts List 主要部件	
Motor 电机	NEMA 17 Hollow Stepping Motor 1.2A/phase □42 中空步进电机 1.2A/相
Drive Screw 驱动丝杠	Ball Screw f8 (Lead 10mm) 滚珠丝杠 f8 (导程 10mm)
Sliding Guide 导向结构	Ball Spline f8mm 滚珠花键 f8mm
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)

Motor(Z,θ-axis) / 电机(Z,θ轴)

A	Black(黑)
A	Green(绿)
B	Red(红)
B	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

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

●规格 / Specifications

Items 项目	Z Axis Z轴	θ Axis θ轴
Movable Range 动作范围	50mm	± 360°
Repeatability 重复定位精度	±0.010mm	±0.03°
Resolution 分辨率	50μm (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	25N	—
Maximun Permissible Moment 最大允许惯性力矩	—	0.15 × 10 ⁻³ kg · m ² (※1)
Mass 重量	1150g	
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。

Dia. / 直径	Reference of Moment of Inertia 负载偏心力矩标准	
	Aluminum 铝材	Steel 钢材
f30mm	670mm(1300g)	240mm(1300g)
f50mm	85mm(460g)	30mm(460g)
f100mm	5mm(110g)	1.5mm(90g)

Precautions

- The Z-axis does not have brake device. Please be careful when the power supply is switched off in case Z-axis may free-fall.
- 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

- 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。
- “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。