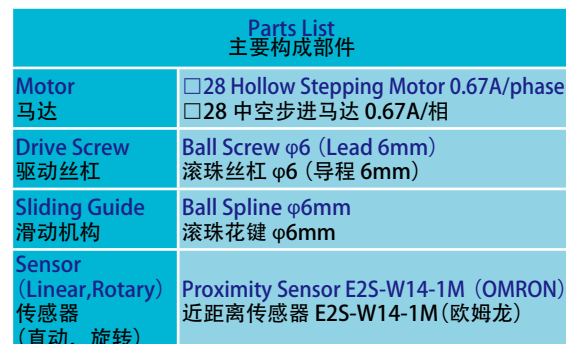


□28 2-phase Stepping Motor (2相步进电机)
Lead (导程) 6mm Travel (行程) 50mm



Motor (Z,θ-axis) / 电机 (Z,θ轴)

A	Black(黑)
$\bar{A}$	Green(绿)
B	Red(红)
$\bar{B}$	Blue(蓝)

UL1061,AWG24(310mm)

Sensor (Z,θ-axis) / 传感器 (Z,θ轴)

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

1000mm

※以下が参考値。具体内容は式样图为准。
※The numbers in table below are reference. Detail dimmensions will be provided by drawing.

Reference of Moment of Inertia 負載力矩參照表		
Dia. / 徑	Height / 高度	
	Aluminum 鋁材	Steel 鋼材
φ20mm	340mm (300g)	120mm (300g)
φ30mm	65mm (130g)	25mm (130g)
φ40mm	20mm (75g)	7.5mm (75g)

注意事项

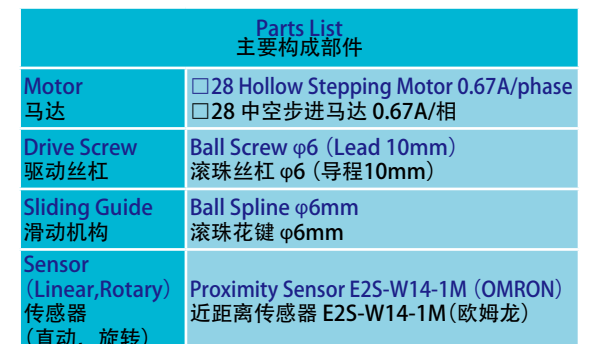
- 1) Z轴无制动装置，关闭电源Z轴有可能会落下。请注意。
- 2) 负载力矩参照表为理论值。建议使用之前在实际负载力矩上确认运作状况。

Precautions

- 1) 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.
- 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.

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

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



Motor (Z,θ-axis) /电机 (Z,θ轴)

A	Black(黑)
$\bar{A}$	Green(绿)
B	Red(红)
$\bar{B}$	Blue(蓝)

UL1061,AWG24(310mm)

Sensor (Z,θ-axis) / 传感器 (Z,θ轴)

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

1000mm

※以下为参考值，具体内容以式样图为准。
※The numbers in table below are reference. Detail dimmensions will be provided by drawing.

Reference of Moment of Inertia 負載力矩參照表		
Dia. / 徑	Height / 高度	
	Aluminum 鋁材	Steel 鋼材
φ20mm	340mm (300g)	120mm (300g)
φ30mm	65mm (130g)	25mm (130g)
φ40mm	20mm (75g)	7.5mm (75g)

注意事项

- 1) Z轴无制动装置，关闭电源Z轴有可能会落下。请注意。
- 2) 负载力矩参照表为理论值。建议使用之前在实际负载力矩上确认运作状况。

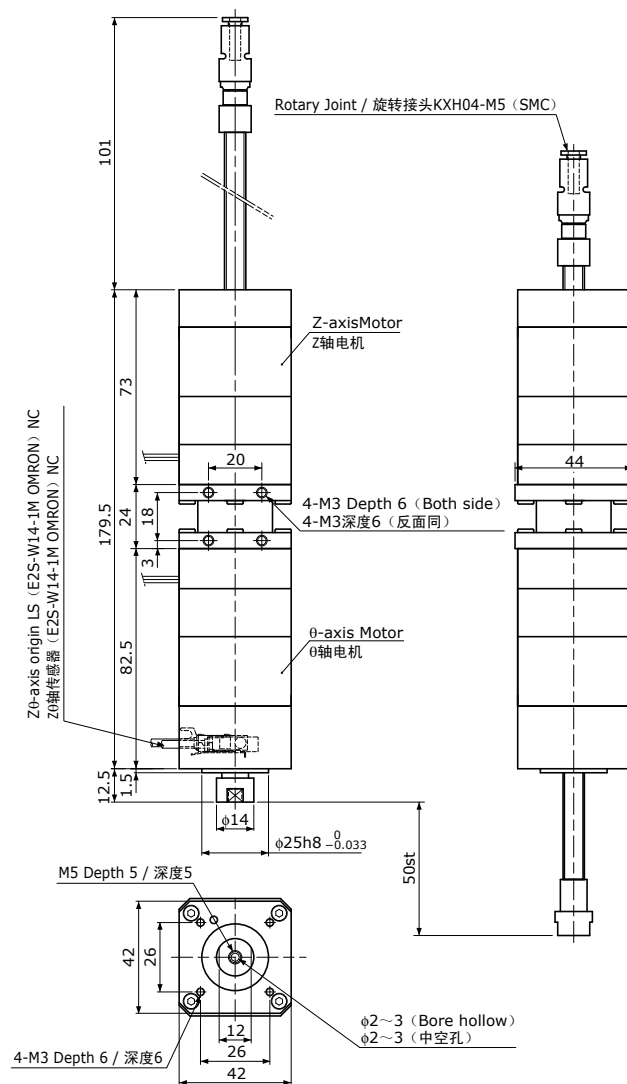
Precautions

- 1) 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.
- 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.

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

DDA VZ 42 - G 05 050 TW N

□42 2-phase Stepping Motor (2相步进电机)
Lead (导程) 5mm Travel (行程) 50mm



Parts List 主要构成部件	
Motor 马达	☐ 42 Hollow Stepping Motor 1.2A/phase ☐ 42 中空步进马达 1.2A/相
Drive Screw 驱动丝杠	Ball Screw $\phi 8$ (Lead 5mm) 滚珠丝杠 $\phi 8$ (导程 5mm)
Sliding Guide 滑动机构	Ball Spline $\phi 8\text{mm}$ 滚珠花键 $\phi 8\text{mm}$
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)
$\bar{A}$	Green(绿)
B	Red(红)
$\bar{B}$	Blue(蓝)

UL1061,AWG24 (310mm)

Sensor (Z,θ-axis) / 传感器 (Z,θ轴)

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

1000mm

●规格 / Specifications

※以下为参考值，具体内容以式样图为准。

※The numbers in table below are reference. Detail dimmensions will be provided by drawing.

Items 項目	Z Axis Z軸	θ Axis θ軸
Movable Range 运作范围	50mm	± 360°
Repeatability 重复定位精度	±0.010mm	±0.03°
Resolution 分解度	25μm (Full Step / 全程)	1.8° (Full Step / 全程)
Maximum Speed 最高速度	100mm / sec	1080° / sec
Acceleration & Deceleration time 加减速比率	Min. 0.2sec 0.2sec以上	Min. 0.04sec 0.04sec以上
Reference Thrust Force 参考推力	50N	—
Maximun Permissible Moment 最大允许力矩	—	0.15×10 ⁻³ kg・m ² (※)
Mass 重量	1120g	
Operating Temperature 使用温度范围	0~40℃ (No Condensation) 0~40℃ (无结露)	

※ θ轴最大允许负载力矩请参照【负载力矩参照表】

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

注意事项

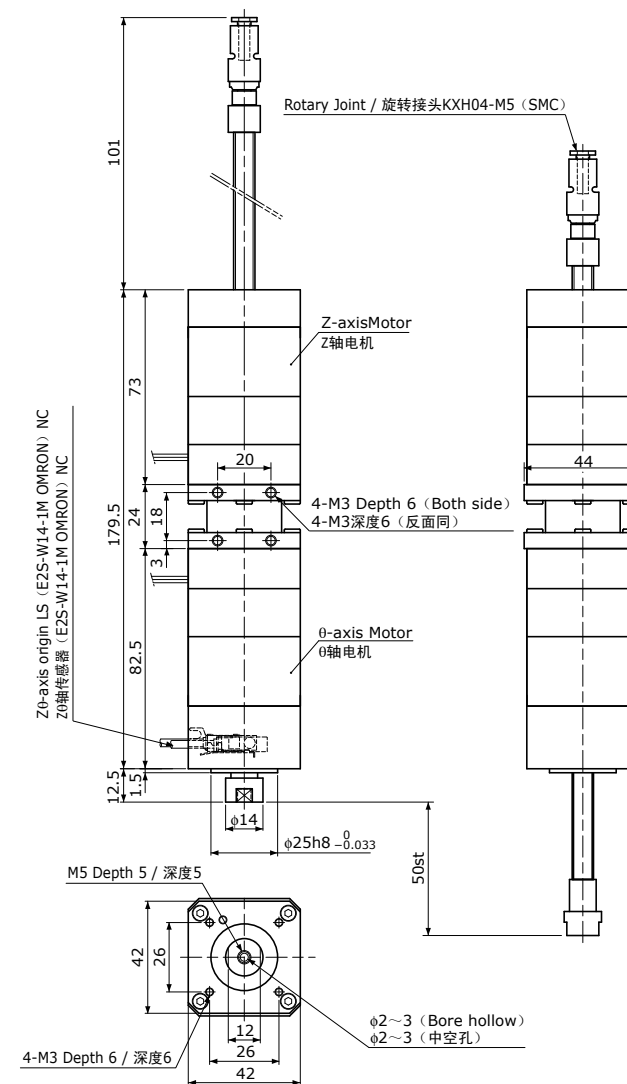
- 1) Z轴无制动装置，关闭电源Z轴有可能会落下。请注意。
- 2) 负载力矩参照表为理论值。
建议使用之前在实际负载力矩上确认运作状况。

Precautions

- Precautions**
- 1) 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.
 - 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.

DDA VZ 42 - G 10 050 TW N

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



Parts List 主要构成部件	
Motor 马达	☐ 42 Hollow Stepping Motor 1.2A/phase ☐ 42 中空步进马达 1.2A/相
Drive Screw 驱动丝杠	Ball Screw $\phi 8$ (Lead 10mm) 滚珠丝杠 $\phi 8$ (导程10mm)
Sliding Guide 滑动机构	Ball Spline $\phi 8mm$ 滚珠花键 $\phi 8mm$
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)
$\bar{A}$	Green(绿)
B	Red(红)
$\bar{B}$	Blue(蓝)

UL1061,AWG24 (310mm)

Sensor (Z, θ -axis) / 传感器 (Z, θ 轴)

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

1000mm

●规格 / Speccifications

※以下为参考值，具体内容以式样图为准。

※The numbers in table below are reference. Detail dimmensions will be provided by drawing.

Items 项目	Z Axis Z轴	θ Axis θ轴	Reference of Moment of Inertia 负载力矩参照表		
Movable Range 运作范围	50mm	± 360°	Dia. / 径	Height / 高度	
Repeatability 重复定位精度	±0.010mm	±0.03°		Aluminum 铝材	Steel 钢材
Resolution 分解度	50μm (Full Step / 全程)	1.8° (Full Step / 全程)	φ30mm	670mm (1300g)	240mm (1300g)
Maximum Speed 最高速度	200mm / sec	1080° / sec	φ50mm	85mm (460g)	30mm (460g)
Acceleration & Deceleration time 加减速比率	Min. 0.2sec 0.2sec以上	Min. 0.04sec 0.04sec以上	φ100mm	5mm (110g)	1.5mm (90g)
Reference Thrust Force 参考推力	25N	—	注意事項 1) Z轴无制动装置，关闭电源Z轴有可能会落下。请注意。 2) 负载力矩参照表为理论值。建议使用之前在实际负载力矩上确认运作状况。		
Maximun Permissible Moment 最大允许力矩	—	0.15×10 ⁻³ kg・m ² (※)			
Mass 重量	1120g				
Operating Temperature 使用温度范围	0~40℃ (No Condensation) 0~40℃ (无结露)				

※ θ轴最大允许负载力矩请参照【负载力矩参照表】

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

注意事项

- 1) Z轴无制动装置，关闭电源Z轴有可能会落下。请注意。
- 2) 负载力矩参照表为理论值。建议使用之前在实际负载力矩上确认运作状况。

Precautions

- 1) 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.
- 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.