

# Miniature Electric Sliding Table Electric Cylinder

/High product accuracy

/Small size

/"Zero" interference

/Multiple application specifications



Provide world-leading motion control solutions

# Miniature Electric Sliding Table

### I. High product accuracy

The repeated positioning accuracy of the sliding table is  $\pm 0.005$ mm, surpassing  $\pm 0.05 \sim 0.1$ mm accuracy of the peers.



Positioning accuracy ±0.005mm

#### II. Small size

Built-in photoelectric sensor, much smaller, saving the space.



Electric cylinder G20Z M282

accessori

Electric sliding table

KF28D KF35D KF42D DRSZ Optional

Electric clamp DG2 DG3

### III. "Zero" interference

Forward-looking design, integrated port and integrated outgoing line, refusing all circuit and magnetic field interference.



#### IV. Multiple application specifications

With multiple application specifications, and optional dustproof design, it can be equipped with open/closed loop control, absolute value, drive and control integration, brake type and other customized solutions for shipment.

• Standard hybrid stepper • Dustproof design





• Closed loop stepper motor

• Integrated stepper motor





• Absolute value stepper motor



### Reading method of specification table

The following takes the specifications of an electric sliding table as an example to introduce the reading method of the specification table

**■** Electric sliding table specifications

1	Step angle		1.8 °
2	Number of phases		2
3	Insulation resistance		100MΩMIN(500V DC)
4	Insulation level		Class B/winding
5	Drive motor	VDC	24V DC
6	Rated current	A	1A
7	Resistance		$5.2\Omega$
8	Inductance	mΗ	4.3mH
9	Stroke	mm	50mm
10	Lead	mm	1mm
11	Lead screw type		Ball screw
12	Accuracy class		C5
13	Output thrust	N	20N at 10r/s
14	Repetitive positioning accuracy	mm	±0.01mm
15	Weight	g	About 420g
16	Step length	mm	0.005mm

- Depending on the product, there may be restrictions and precautions for the use methods. Please refer to the notes on each product page for details.
- 1 Step angle

The inherent minimum mechanical angle of the stepper motor is generally 1.8  $^{\circ},$  0.9  $^{\circ},$  1.2  $^{\circ},$  0.72  $^{\circ},$  etc.

2 Number of phases

It refers to the number of coil groups inside the motor. Currently, the commonly used stepper motors are two-phase, three-phase, four-phase, and five-phase stepper motors. The step angle varies depending on the number of phases in the motor.

③ Insulation resistance

The direct current resistance of an insulator under specified conditions, namely, the resistance corresponding to the leakage current flowing through the dielectric medium when the polarization process is completed after a certain time by applying the DC voltage to the dielectric medium.

4 Insulation grade

Heat resistance class of insulating materials.

- ⑤ Driving voltage
  - Supply voltage of the driver required to start working.
- 6 Rated current

Maximum set current of the driver when a Kaifull driver is used.

(7) Resistance

The function of the conductor to block the current.

Inductance

The property that the circuit can generate electromotive force when the following current changes.

Stroke

The total distance that the workbench can move forward.

(10) Lead

The distance that the workbench advances in a linear direction for each revolution of the motor.

11 Lead screw type

According to the friction characteristics, the lead screws can be classified into three types: sliding lead screw, rolling lead screw, and static pressure lead screw.

(12) Accuracy class

Accuracy is classified into four grades based on the use requirements: C3, C5, C7, and C10.

(13) Output thrust

The minimum thrust continuously outputted by the workbench at a fixed speed.

(14) Repeated positioning accuracy

The error value generated when repeatedly positioning the same position from the same direction. (Accuracy is a numerical value at a certain temperature and load).

(15) Weight

Product weight.

16 Step length

The distance that the load can walk within 1 step angle.

### ■ Types and characteristics of electric sliding table

• DC power input

♦ Reading method of trade name

Model series	Motor Flange size	Motor Step angle	Motor thickness	Lead	Lead screw type	Effective stroke	Motor type
KF	28	D	51	02	GZ	30	D
KF: KAIFULL	28: 28mm 35: 35mm 42: 42mm	D:1.8°	40: 40mm 46: 46mm 51: 51mm	01: 1mm 02: 2mm 05: 5mm 06: 6mm 10: 10mm	GZ: Ball screw LC: Trapezoidal screw	30: 30mm 50: 50mm 100 : 100mm 150 : 150mm 200 : 200mm	D: The motor with rear shaft E: The motor with closed loop M: The motor with brake None

### KF28D51-02GZ-30

### Width 28mm × height 38mm

### Linear type DC power input

■ Reading method of trade name

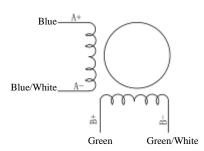
Model series	Motor Flange size	Motor Step angle	Motor thickness	Lead	Lead screw type	Effective stroke	Motor type
KF	28	D	51	02	GZ	30	
KF: KAIFULL	28:28mm	D:1.8°	51:51mm	02:2mm	GZ: Ball screw LC: Trapezoidal screw	30: 30mm 50: 50mm 100 : 100mm	D: The motor with rear shaft E: The motor with closed loop M: The motor with brake None

**■** Electric sliding table specifications

■ Electric siluring table s	pecincano	115
Step angle		1.8 °
Number of phases		2
Insulation resistance		100MΩMIN(500V
		DC)
Insulation level		Class B/winding
Drive motor	VDC	24V DC
Rated current	A	1A
Resistance		5.2Ω
Inductance	mН	4.3mH
Stroke	mm	30mm
Lead	mm	2mm
Lead screw type		Ball screw
Accuracy class		C5
Output thrust	N	50N at 10r/s
Repetitive positioning	mm	
accuracy		±0.05mm
Weight	Ø	About 500g
Step length	mm	0.01mm

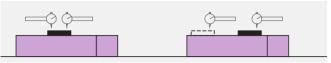
• When not powered on, it will lose the holding force and cannot maintain the vertical loads and external forces. When using vertical drive, please choose the products with electromagnetic brake.

#### ■ Wiring Diagram



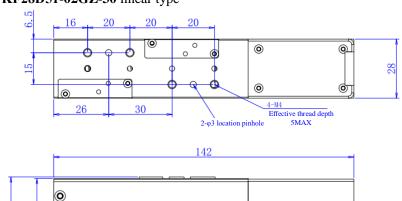
#### ■ Parallelism detection

The parallelism between the installation surface and the base is  $\leq 0.02 \text{mm}$ 



#### ■ Outline Drawing (unit: mm)

### • KF28D51-02GZ-30 linear type



• Optional wire KFGH10-30.

**(O)** 

#### Definition of outgoing line

Terminal		
wire	Wire color	Definition
sequence		
1	Bold black (shielded)	E
2	Blue	A+
3	Blue/White	A-
4	Green	B+
5	Green/White	B-
6	Red	V+
7	Black	GND
8	Purple	Limit +
9	Purple/White	Limit -
10	Yellow	Blank

Electric sliding table KF28D KF35D

KF42D
DRSZ
Optional
accessorie

Electric cylinder G20Z M282

### KF28D51-02GZ-50

### Width 28mm × height 38mm Linear type DC power input

■ Reading method of trade name

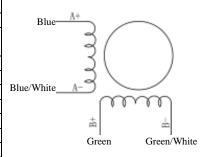
Model series	Motor	Motor	Motor thickness	Lead	Lead screw type	Effective stroke	Motor type
	Flange size	Step angle					
KF	28	D	51	02	GZ	30	
KF:	28:28mm	D:1.8 °	51:51mm	02:2mm	GZ:	30: 30mm	D: The motor
KAIFULL					Ball screw	50: 50mm	with rear shaft
					LC:	100 : 100mm	E: The motor with
					Trapezoidal		closed loop
					screw		M: The motor
							with brake
							None

**■** Electric sliding table specifications

• Electric shaing table spe	Cilicatic	)11S
Step angle		1.8 °
Number of phases		2
Insulation resistance		100MΩMIN(500V
		DC)
Insulation level		Class B/winding
Drive motor	VDC	24V DC
Rated current	A	1.0A
Resistance		5.2Ω
Inductance	mΗ	4.3mH
Stroke	mm	50mm
Lead	mm	2mm
Lead screw type		Ball screw
Accuracy class		C5
Output thrust	N	50N at 10r/s
Repetitive positioning	mm	
accuracy		±0.005mm
Weight	g	About 600g
Step length	mm	0.01mm
****		1 1 111 0 1

• When not powered on, it will lose the holding force and cannot maintain the vertical loads and external forces. When using vertical drive, please choose the products with electromagnetic brake.

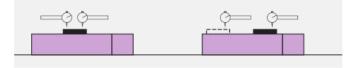
#### ■ Wiring Diagram



#### ■ Parallelism detection

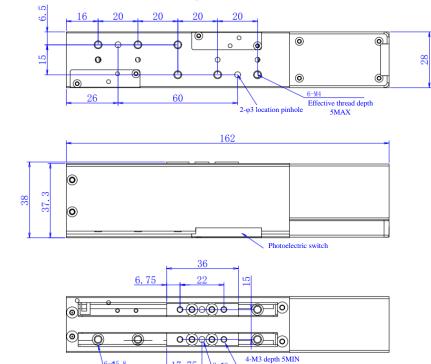
The parallelism between the installation surface and the base is  $\leq 0.02$ mm

parallelism The running between the installation surface and the base is ≤ 0.02mm



### ■ Outline Drawing (unit: mm)

### • KF28D51-02GZ-50 linear type



Definition of outgoing line

beiminion of outgoing fine					
Terminal wire sequence	Wire color	Definition			
1	Bold black (shielded)	E			
2	Blue	A+			
3	Blue/White	A-			
4	Green	B+			
5	Green/White	B-			
6	Red	V+			
7	Black	GND			
8	Purple	Limit +			
9	Purple/White	Limit -			
10	Yellow	Blank			

• Optional wire KFGH10-30.

6-**¢**5. 8

### KF28D51-02GZ-100

### Width 28mm × height 38mm Linear type DC power input

■ Reading method of trade name

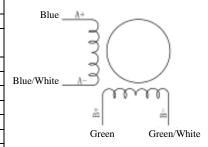
	iction of true		1	1		ı	1
Model series	Motor	Motor	Motor thickness	Lead	Lead screw type	Effective stroke	Motor type
	Flange size	Step angle					
KF	28	D	51	02	GZ	30	
KF:	28:28mm	D:1.8 °	51:51mm	02:2mm	GZ:	30: 30mm	D: The motor
KAIFULL					Ball screw	50: 50mm	with rear shaft
					LC:	100 : 100mm	E: The motor with
					Trapezoidal		closed loop
					screw		M: The motor
							with brake
							None

■ Electric sliding table specifications

■ Electric sliding table s	specifica	tions
Step angle		1.8 °
Number of phases		2
Insulation resistance		100MΩMIN(500V
		DC)
Insulation level		Class B/winding
Drive motor	VDC	24V DC
Rated current	A	1.0A
Resistance		5.2Ω
Inductance	mΗ	4.3mH
Stroke	mm	100mm
Lead	mm	2mm
Lead screw type		Ball screw
Accuracy class		C5
Output thrust	N	50N at 10r/s
Repetitive positioning	mm	
accuracy		±0.005mm
Weight	g	About 800g
Step length	mm	0.01mm
Step rengui		0.01

• When not powered on, it will lose the holding force and cannot maintain the vertical loads and external forces. When using vertical drive, please choose the products with electromagnetic brake.

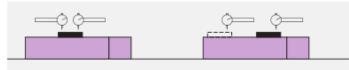
■ Wiring Diagram



#### ■ Parallelism detection

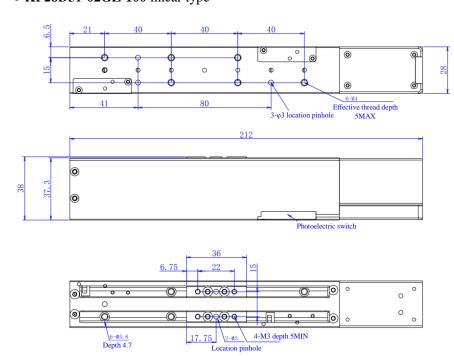
The parallelism between the installation surface and the base is  $\leq 0.02 mm$ 

The running parallelism between the installation surface and the base is  $\leq 0.02$ mm



### ■ Outline Drawing (unit: mm)

### • KF28D51-02GZ-100 linear type



Definition of outgoing line

Definition of outgoing line					
Terminal wire sequence	Wire color	Definition			
1	Bold black (shielded)	E			
2	Blue	A+			
3	Blue/White	A-			
4	Green	B+			
5	Green/White	B-			
6	Red	V+			
7	Black	GND			
8	Purple	Limit +			
9	Purple/White	Limit -			
10	Yellow	Blank			

• Optional wire KFGH10-30.

Electric sliding table KF28D KF35D

KF35D KF42D

DRSZ Optional

> Electric cylinder G20Z M282

accessori

### KF35D46-02GZ-30

Width 35mm × height 45mm Linear type DC power input

■ Reading method of trade name

Model series	Motor Flange size	Motor Step angle	Motor thickness	Lead	Lead screw type	Effective stroke	Motor type
KF	28	D	51	02	GZ	30	
KF: KAIFULL	35:35mm	D:1.8°	46:46mm	02:2mm 06:6mm	GZ: Ball screw LC: Trapezoidal screw	30: 30mm 50: 50mm 100 : 100mm	D: The motor with rear shaft E: The motor with closed loop M: The motor with brake None

■ Flectric sliding table specifications

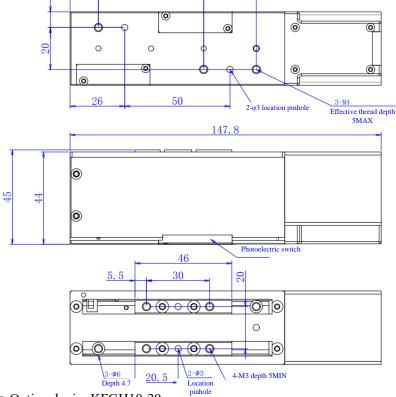
■ Electric sliding table s	pecificat	ions
Step angle		1.8 °
Number of phases		2
Insulation resistance		100MΩMIN(500V
		DC)
Insulation level		Class B/winding
Drive motor	VDC	24V DC
Rated current	A	1.5A
Resistance		1.6Ω
Inductance	mH	2.3mH
Stroke	mm	30mm
Lead	mm	2mm
Lead screw type		Ball screw
Accuracy class		C5
Output thrust	N	60N at 10r/s
Repetitive positioning	mm	
accuracy		±0.005mm
Weight	g	About 700g
Step length	mm	0.01mm
• When not nowered on	it will lo	sa the helding force one

• When not powered on, it will lose the holding force and cannot maintain the vertical loads and external forces. When using vertical drive, please choose the products with electromagnetic brake.

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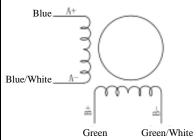
### ■ Outline Drawing (unit: mm)

### • KF35D46-02GZ-30 linear type



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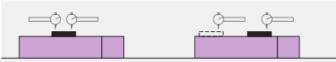
■ Wiring Diagram



#### ■ Parallelism detection

The parallelism between the installation surface and the base  $is \leq 0.02mm$ 

The running parallelism between the installation surface and the base is  $\leq 0.02$ mm



Definition of outgoing line

Terminal wire sequence	Wire color	Definition
1	Bold black (shielded)	Е
2	Blue	A+
3	Blue/White	A-
4	Green	B+
5	Green/White	B-
6	Red	V+
7	Black	GND
8	Purple	Limit +
9	Purple/White	Limit -
10	Yellow	Blank

### KF35D46-02GZ-50

Width 35mm × height 45mm

### Linear type DC power input

■ Reading method of trade name

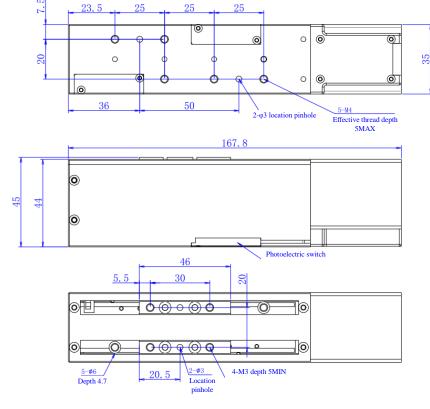
Model series	Motor Flange size	Motor Step angle	Motor thickness	Lead	Lead screw type	Effective stroke	Motor type
KF	35	D	46	02	GZ	50	
KF: KAIFULL	35:35mm	D:1.8°	46:46mm	02:2mm 06:6mm	GZ: Ball screw LC: Trapezoidal screw	30: 30mm 50: 50mm 100 : 100mm	D: The motor with rear shaft E: The motor with closed loop M: The motor with brake None

<b>■</b> Electric sliding table s	pecifica	tions
Step angle		1.8 °
Number of phases		2
Insulation resistance		100MΩMIN(500V
		DC)
Insulation level		Class B/winding
Drive motor	VDC	24V DC
Rated current	A	1.5A
Resistance		1.6Ω
Inductance	mΗ	2.3mH
Stroke	mm	50mm
Lead	mm	2mm
Lead screw type		Ball screw
Accuracy class		C5
Output thrust	N	60N at 10r/s
Repetitive positioning	mm	
accuracy		±0.005mm
Weight	g	About 800g
Step length	mm	0.01mm

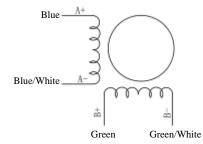
• When not powered on, it will lose the holding force and cannot maintain the vertical loads and external forces. When using vertical drive, please choose the products with electromagnetic brake.

### ■ Outline Drawing (unit: mm)

### • KF35D46-02GZ-50 linear type



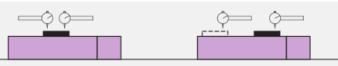
■ Wiring Diagram



### ■ Parallelism detection

The parallelism between the installation surface and the base  $is \leq 0.02 mm \\$ 

The running parallelism between the installation surface and the base is  $\leq 0.02$ mm



Definition of outgoing line

berning of outgoing fine					
Terminal wire sequence	Wire color	Definition			
1	Bold black (shielded)	Е			
2	Blue	A+			
3	Blue/White	A-			
4	Green	B+			
5	Green/White	B-			
6	Red	V+			
7	Black	GND			
8	Purple	Limit +			
9	Purple/White	Limit -			
10	Yellow	Blank			
•	•				

• Optional wire KFGH10-30.

Electric sliding table KF28D KF35D

KF42D DRSZ

> Electric cylinder G20Z

M282

Optional accessorie

### KF35D46-02GZ-100

Width 35mm × height 45mm

### Linear type DC power input

■ Reading method of trade name

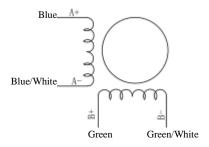
Model series	Motor	Motor	Motor thickness	Lead	Lead screw type	Effective stroke	Motor type
	Flange size	Step angle					
KF	35	D	46	02	GZ	100	
KF: KAIFULL	35:35mm	D:1.8°	46:46mm	02:2mm 06:6mm	GZ: Ball screw LC: Trapezoidal screw	30: 30mm 50: 50mm 100 : 100mm	D: The motor with rear shaft E: The motor with closed loop M: The motor with brake None

■ Electric sliding table specifications

<b>■</b> Electric sliding table s	pecinca	tions
Step angle		1.8 °
Number of phases		2
Insulation resistance		100MΩMIN(500V
		DC)
Insulation level		Class B/winding
Drive motor	VDC	24V DC
Rated current	A	1.5A
Resistance		$1.6\Omega$
Inductance	mΗ	2.3mH
Stroke	mm	100mm
Lead	mm	2mm
Lead screw type		Ball screw
Accuracy class		C5
Output thrust	N	60N at 10r/s
Repetitive positioning	mm	
accuracy		±0.005mm
Weight	g	About 1000g
Step length	mm	0.01mm

• When not powered on, it will lose the holding force and cannot maintain the vertical loads and external forces. When using vertical drive, please choose the products with electromagnetic brake.

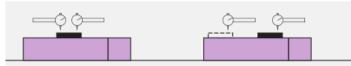
#### ■ Wiring Diagram



### ■ Parallelism detection

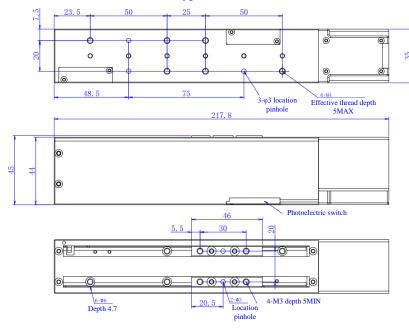
The parallelism between the installation surface and the base is  $\leq 0.02 mm$ 

The running parallelism between the installation surface and the base is  $\leq 0.02 mm$ 



### ■ Outline Drawing (unit: mm)

### • KF35D46-02GZ-100 linear type



Definition of outgoing line

Terminal wire sequence	Wire color	Definition
1	Bold black (shielded)	E
2	Blue	A+
3	Blue/White	A-
4	Green	B+
5	Green/White	B-
6	Red	V+
7	Black	GND
8	Purple	Limit +
9	Purple/White	Limit -
10	Yellow	Blank

### KF35D46-06GZ-50

### Width 35mm × height 45mm

### Linear type DC power input

Electric

sliding

Electric cylinder G20Z

M282

Electric clamp DG2

DG3

table KF28D KF35D KF42D DRSZ Optional accessori

■ Reading method of trade name

Model series	Motor Flange size	Motor Step angle	Motor thickness	Lead	Lead screw type	Effective stroke	Motor type
KF	35	D	46	06	GZ	50	
KF: KAIFULL	35:35mm	D:1.8°	46:46mm	02:2mm 06:6mm	GZ: Ball screw LC: Trapezoidal screw	50: 50mm 100:100mm 150:150mm	D: The motor with rear shaft E: The motor with closed loop M: The motor with brake None

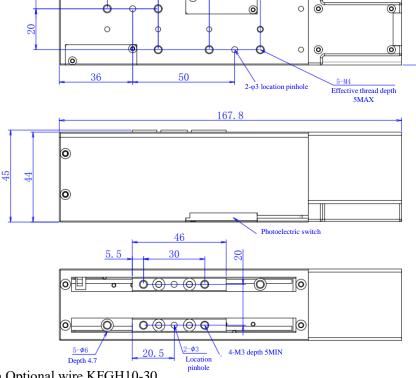
- Floatric sliding table specifications

■ Electric sliding table	e specim	cations
Step angle		1.8 °
Number of phases		2
Insulation resistance		100MΩMIN(500V
		DC)
Insulation level		Class B/winding
Drive motor	VDC	24V DC
Rated current	A	1.5A
Resistance		$1.6\Omega$
Inductance	mΗ	2.3mH
Stroke	mm	50mm
Lead	mm	6mm
Lead screw type		Ball screw
Accuracy class		C5
Output thrust	N	50N at 10r/s
Repetitive	mm	
positioning		
accuracy		±0.005mm
Weight	g	About 800g
Step length	mm	0.03mm

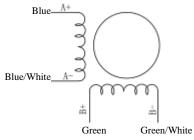
• When not powered on, it will lose the holding force and cannot maintain the vertical loads and external forces. When using vertical drive, please choose the products with electromagnetic brake.

### ■ Outline Drawing (unit: mm)

### • KF35D46-06GZ-50 linear type



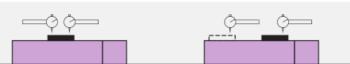
■ Wiring Diagram



#### ■ Parallelism detection

The parallelism between the installation surface and the base  $is \leq 0.02mm$ 

The running parallelism between the installation surface and the base  $is \leq 0.02mm$ 



Definition of outgoing line

bernmion of outgoing time					
Terminal wire sequence	Wire color	Definition			
1	Bold black (shielded)	E			
2	Blue	A+			
3	Blue/White	A-			
4	Green	B+			
5	Green/White	B-			
6	Red	V+			
7	Black	GND			
8	Purple	Limit +			
9	Purple/White	Limit -			
10	Yellow	Blank			

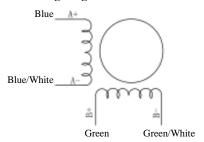
■ Reading method of trade name

Model series	Motor Flange size	Motor Step angle	Motor thickness	Lead	Lead screw type	Effective stroke	Motor type
KF	35	D	46	06	GZ	100	
KF: KAIFULL	35:35mm	D:1.8°	46:46mm	02:2mm 06:6mm	GZ: Ball screw LC: Trapezoidal screw	50: 50mm 100:100mm 150:150mm	D: The motor with rear shaft E: The motor with closed loop M: The motor with brake None

■ Electric sliding table sp	pecificat	ions
Step angle		1.8 °
Number of phases		2
Insulation resistance		100MΩMIN(500V
		DC)
Insulation level		Class B/winding
Drive motor	VDC	24V DC
Rated current	A	1.5A
Resistance		$1.6\Omega$
Inductance	mΗ	2.3mH
Stroke	mm	100mm
Lead	mm	6mm
Lead screw type		Ball screw
Accuracy class		C5
Output thrust	N	50N at 10r/s
Repetitive positioning	mm	
accuracy		±0.005mm
Weight	g	About 1000g
Step length	mm	0.03mm

• When not powered on, it will lose the holding force and cannot maintain the vertical loads and external forces. When using vertical drive, please choose the products with electromagnetic brake.

#### ■ Wiring Diagram



#### ■ Parallelism detection

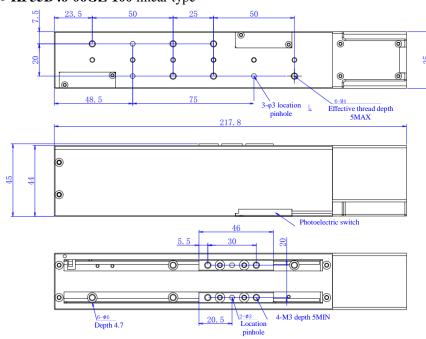
The parallelism between the installation surface and the base is  $\leq 0.02$ mm

The running parallelism between the installation surface and the base is  $\leq 0.02$ mm



### ■ Outline Drawing (unit: mm)

### • KF35D46-06GZ-100 linear type



Definition of outgoing line

Terminal wire sequence         Wire color         Definition           1         Bold black (shielded)         E           2         Blue         A+           3         Blue/White         A-           4         Green         B+           5         Green/White         B-           6         Red         V+           7         Black         GND           8         Purple         Limit +           9         Purple/White         Limit -           10         Yellow         Blank			-
1         (shielded)         E           2         Blue         A+           3         Blue/White         A-           4         Green         B+           5         Green/White         B-           6         Red         V+           7         Black         GND           8         Purple         Limit +           9         Purple/White         Limit -	wire	Wire color	Definition
3         Blue/White         A-           4         Green         B+           5         Green/White         B-           6         Red         V+           7         Black         GND           8         Purple         Limit +           9         Purple/White         Limit -	1		Е
4 Green B+ 5 Green/White B- 6 Red V+ 7 Black GND 8 Purple Limit + 9 Purple/White Limit -	2	Blue	A+
5 Green/White B- 6 Red V+ 7 Black GND 8 Purple Limit + 9 Purple/White Limit -	3	Blue/White	A-
6 Red V+ 7 Black GND 8 Purple Limit + 9 Purple/White Limit -	4	Green	B+
7 Black GND  8 Purple Limit +  9 Purple/White Limit -	5	Green/White	B-
8 Purple Limit + 9 Purple/White Limit -	6	Red	V+
9 Purple/White Limit -	7	Black	GND
,	8	Purple	Limit +
10 Yellow Blank	9	Purple/White	Limit -
	10	Yellow	Blank

### KF35D46-06GZ-150

Width 35mm × height 45mm

### Linear type DC power input

■ Reading method of trade name

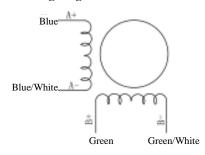
Model series	Motor Flange size	Motor Step angle	Motor thickness	Lead	Lead screw type	Effective stroke	Motor type
KF	35	D	46	06	GZ	150	
KF: KAIFULL	35:35mm	D:1.8°	46:46mm	02:2mm 06:6mm	GZ: Ball screw LC: Trapezoidal screw	50: 50mm 100:100mm 150:150mm	D: The motor with rear shaft E: The motor with closed loop M: The motor with brake None

■ Electric sliding table specifications

pecificat	nons
	1.8 °
	2
	100MΩMIN(500V
	DC)
	Class B/winding
VDC	24V DC
Α	1.5A
	1.6Ω
mΗ	2.3mH
mm	100mm
mm	6mm
	Ball screw
	C5
N	50N at 10r/s
mm	
	±0.005mm
g	About 1000g
mm	0.03mm
	VDC A mH mm mm

• When not powered on, it will lose the holding force and cannot maintain the vertical loads and external forces. When using vertical drive, please choose the products with electromagnetic brake.

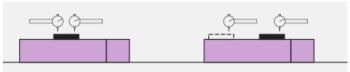
#### ■ Wiring Diagram



#### ■ Parallelism detection

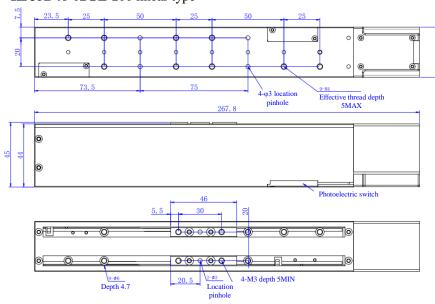
The parallelism between the installation surface and the base is  $\leq 0.02 mm$ 

The running parallelism between the installation surface and the base is  $\leq 0.02 mm$ 



■ Outline Drawing (unit: mm)

### • KF35D46-02GZ-100 linear type



Definition of outgoing line

Definition of outgoing fine					
Terminal wire sequence	Wire color	Definition			
1	Bold black (shielded)	Е			
2	Blue	A+			
3	Blue/White	A-			
4	Green	B+			
5	Green/White	B-			
6	Red	V+			
7	Black	GND			
8	Purple	Limit +			
9	Purple/White	Limit -			
10	Yellow	Blank			

• Optional wire KFGH10-30.

Electric

sliding

table KF28D KF35D KF42D DRSZ

cylinder G20Z M282

### KF42D40-02GZ-50

### Width 42mm × height 52mm

#### Linear type DC power input

### ■ Reading method of trade name

Model series	Motor Flange size	Motor Step angle	Motor thickness	Lead	Lead screw type	Effective stroke	Motor type
KF	42	D	40	02	GZ	50	
KF: KAIFULL	42:42mm	D:1.8°	40:40mm	02:2mm 05:5mm 10:10mm	GZ: Ball screw LC: Trapezoidal screw	50: 50mm 100:100mm 150:150mm 200:200mm	D: The motor with rear shaft E: The motor with closed loop M: The motor with brake None

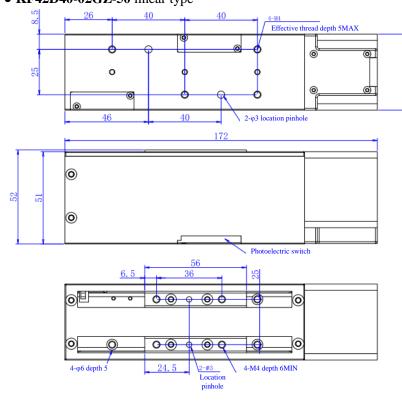
**■** Electric sliding table specifications

Electric snuling table spe	Cilicatio	115
Step angle		1.8 °
Number of phases		2
Insulation resistance		100MΩMIN(500V DC)
Insulation level		Class B/winding
Drive motor	VDC	24V DC
Rated current	A	1.5A
Resistance		2.2Ω
Inductance	mΗ	4.6mH
Stroke	mm	50mm
Lead	mm	2mm
Lead screw type		Ball screw
Accuracy class		C5
Output thrust	N	100N at 10r/s
Repetitive positioning accuracy	mm	±0.005mm
Weight	g	About 1000g
Step length	mm	0.01mm
TT 11		1 1 111 0

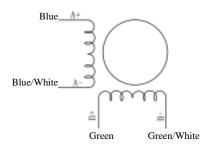
• When not powered on, it will lose the holding force and cannot maintain the vertical loads and external forces. When using vertical drive, please choose the products with electromagnetic brake.

### ■ Outline Drawing (unit: mm)

### • KF42D40-02GZ-50 linear type



#### ■ Wiring Diagram



#### ■ Parallelism detection

The parallelism between the installation surface and the base is  $\leq 0.02$ mm

The running parallelism between the installation surface and the base is  $\leq 0.02 \text{mm}$ 



### Definition of outgoing line

Terminal wire sequence	Wire color	Definition
1	Bold black (shielded)	E
2	Blue	A+
3	Blue/White	A-
4	Green	B+
5	Green/White	B-
6	Red	V+
7	Black	GND
8	Purple	Limit +
9	Purple/White	Limit -
10	Yellow	Blank

### KF42D40-02GZ-100

Width 42mm × height 52mm

Linear type DC power input

■ Reading method of trade name

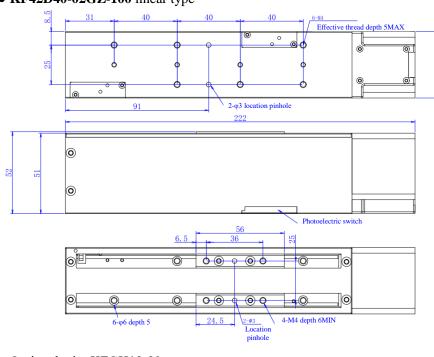
Model series	Motor Flange size	Motor Step angle	Motor thickness	Lead	Lead screw type	Effective stroke	Motor type
KF	42	D	40	02	GZ	100	
KF: KAIFULL	42:42mm	D:1.8°	40:40mm	02:2mm 05:5mm 10:10mm	GZ: Ball screw LC: Trapezoidal screw	50: 50mm 100:100mm 150:150mm 200:200mm	D: The motor with rear shaft E: The motor with closed loop M: The motor with brake None

■ Electric sliding table s	pecificat	tions
Step angle		1.8 °
Number of phases		2
Insulation resistance		100MΩMIN(500V
		DC)
Insulation level		Class B/winding
Drive motor	VDC	24V DC
Rated current	A	1.5A
Resistance		$2.2\Omega$
Inductance	mΗ	4.6mH
Stroke	mm	100mm
Lead	mm	2mm
Lead screw type		Ball screw
Accuracy class		C5
Output thrust	N	100N at 10r/s
Repetitive positioning	mm	
accuracy		±0.005mm
Weight	g	About 1500g
Step length	mm	0.01mm

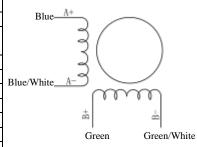
• When not powered on, it will lose the holding force and cannot maintain the vertical loads and external forces. When using vertical drive, please choose the products with electromagnetic brake.

### ■ Outline Drawing (unit: mm)

• KF42D40-02GZ-100 linear type



■ Wiring Diagram



#### ■ Parallelism detection

The parallelism between the installation surface and the base  $is \leq 0.02 mm \\$ 

The running parallelism between the installation surface and the base is  $\leq 0.02$ mm



Definition of outgoing line

Terminal wire sequence	Wire color	Definition
1	Bold black (shielded)	E
2	Blue	A+
3	Blue/White	A-
4	Green	B+
5	Green/White	B-
6	Red	V+
7	Black	GND
8	Purple	Limit +
9	Purple/White	Limit -
10	Yellow	Blank

• Optional wire KFGH10-30.

KF35D KF42D DRSZ Optional accessori

Electric

sliding

table KF28D

Electric cylinder G20Z M282

### KF42D40-05GZ-50

### Width 42mm × height 52mm Linear type DC power input

### ■ Reading method of trade name

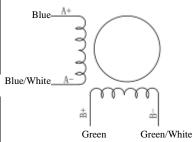
Model series	Motor Flange size	Motor Step angle	Motor thickness	Lead	Lead screw type	Effective stroke	Motor type
KF	42	D	40	05	GZ	50	
KF: KAIFULL	42:42mm	D:1.8 °	40:40mm	02:2mm 05:5mm 10:10mm	GZ: Ball screw LC: Trapezoidal screw	50: 50mm 100:100mm 150:150mm 200:200mm	D: The motor with rear shaft E: The motor with closed loop M: The motor with brake None

**■** Electric sliding table specifications

Electric shaing table specifications						
Step angle		1.8 °				
Number of phases		2				
Insulation resistance		100MΩMIN(500V				
		DC)				
Insulation level		Class B/winding				
Drive motor	VDC	24V DC				
Rated current	Α	1.5A				
Resistance		$2.2\Omega$				
Inductance	mΗ	4.6mH				
Stroke	mm	50mm				
Lead	mm	5mm				
Lead screw type		Ball screw				
Accuracy class		C5				
Output thrust	N	80N at 10r/s				
Repetitive positioning	mm					
accuracy		±0.005mm				
Weight	g	About 1000g				
Step length	mm	0.025mm				
• When not never and on	i+i11 10	as the helding force one				

• When not powered on, it will lose the holding force and cannot maintain the vertical loads and external forces. When using vertical drive, please choose the products with electromagnetic brake.

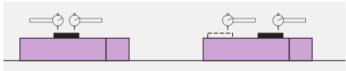
#### ■ Wiring Diagram



#### ■ Parallelism detection

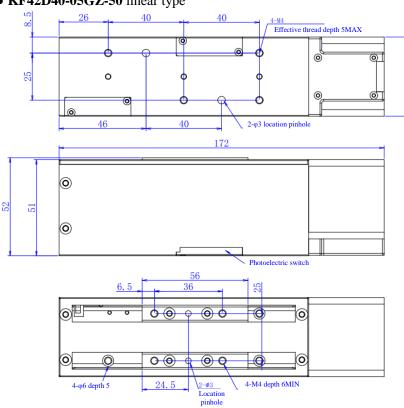
The parallelism between the installation surface and the base is  $\leq 0.02$ mm

The running parallelism between the installation surface and the base is  $\leq 0.02$ mm



### ■ Outline Drawing (unit: mm)

### • KF42D40-05GZ-50 linear type



Definition of outgoing line

Definition of outgoing line				
Terminal wire sequence	Wire color	Definition		
1	Bold black (shielded)	Е		
2	Blue	A+		
3	Blue/White	A-		
4	Green	B+		
5	Green/White	B-		
6	Red	V+		
7	Black	GND		
8	Purple	Limit +		
9	Purple/White	Limit -		
10	Yellow	Blank		

### KF42D40-05GZ-100

Width 42mm × height 52mm

### Linear type DC power input

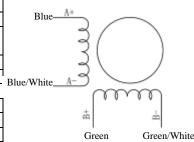
■ Reading method of trade name

Model series	Motor Flange size	Motor Step angle	Motor thickness	Lead	Lead screw type	Effective stroke	Motor type
KF	42	D	40	05	GZ	100	
KF: KAIFULL	42:42mm	D:1.8°	40:40mm	02:2mm 05:5mm 10:10mm	GZ: Ball screw LC: Trapezoidal screw	50: 50mm 100:100mm 150:150mm 200:200mm	D: The motor with rear shaft E: The motor with closed loop M: The motor with brake None

■ Electric sliding table s	pecificat	tions
Step angle		1.8 °
Number of phases		2
Insulation resistance		100MΩMIN(500V
		DC)
Insulation level		Class B/winding
Drive motor	VDC	24V DC
Rated current	A	1.5A
Resistance		$2.2\Omega$
Inductance	mΗ	4.6mH
Stroke	mm	100mm
Lead	mm	5mm
Lead screw type		Ball screw
Accuracy class		C5
Output thrust	N	80N at 10r/s
Repetitive positioning	mm	
accuracy		±0.005mm
Weight	g	About 1500g
Step length	mm	0.025mm
3371 / 1		4 1 11' C 1

• When not powered on, it will lose the holding force and cannot maintain the vertical loads and external forces. When using vertical drive, please choose the products with electromagnetic brake.

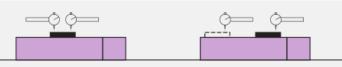
■ Wiring Diagram



#### ■ Parallelism detection

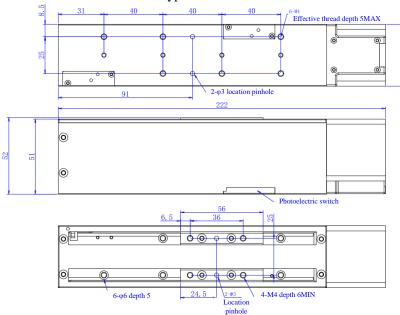
The parallelism between the installation surface and the base is  $\leq 0.02$ mm

The running parallelism between the installation surface and the base is  $\leq 0.02$ mm



■ Outline Drawing (unit: mm)

• KF42D40-05GZ-100 linear type



Definition of outgoing line

bernmion of outgoing fine				
Terminal wire sequence	Wire color	Definition		
1	Bold black (shielded)	Е		
2	Blue	A+		
3	Blue/White	A-		
4	Green	B+		
5	Green/White	B-		
6	Red	V+		
7	Black	GND		
8	Purple	Limit +		
9	Purple/White	Limit -		
10	Yellow	Blank		

• Optional wire KFGH10-30.

Optional accessori Electric

Electric

sliding

table KF28D KF35D KF42D DRSZ

cylinder G20Z M282

■ Reading method of trade name

Model series	Motor Flange size	Motor Step angle	Motor thickness	Lead	Lead screw type	Effective stroke	Motor type
KF	42	D	40	05	GZ	150	
KF: KAIFULL	42:42mm	D:1.8°	40:40mm	02:2mm 05:5mm 10:10mm	GZ: Ball screw LC: Trapezoidal screw	50: 50mm 100:100mm 150:150mm 200:200mm	D: The motor with rear shaft E: The motor with closed loop M: The motor with brake None

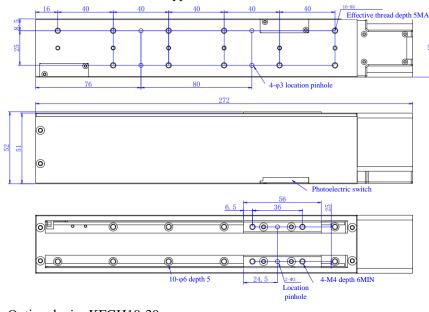
**■** Electric sliding table specifications

Electric shaing table specifications						
Step angle		1.8 °				
Number of phases		2				
Insulation resistance		100MΩMIN(500V				
		DC)				
Insulation level		Class B/winding				
Drive motor	VDC	24V DC				
Rated current	A	1.5A				
Resistance		2.2Ω				
Inductance	mΗ	4.6mH				
Stroke	mm	150mm				
Lead	mm	5mm				
Lead screw type		Ball screw				
Accuracy class		C5				
Output thrust	N	80N at 10r/s				
Repetitive positioning	mm					
accuracy		±0.005mm				
Weight	g	About 2000g				
Step length	mm	0.025mm				
****		1 1 111 0				

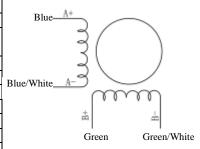
• When not powered on, it will lose the holding force and cannot maintain the vertical loads and external forces. When using vertical drive, please choose the products with electromagnetic brake.

### ■ Outline Drawing (unit: mm)

• KF42D40-05GZ-150 linear type



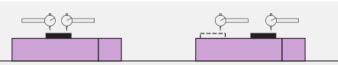
#### ■ Wiring Diagram



#### ■ Parallelism detection

The parallelism between the installation surface and the base is  $\leq 0.02 mm$ 

The running parallelism between the installation surface and the base is  $\leq 0.02 mm$ 



Definition of outgoing line

Terminal wire sequence	Wire color	Definition
1	Bold black (shielded)	Е
2	Blue	A+
3	Blue/White	A-
4	Green	B+
5	Green/White	B-
6	Red	V+
7	Black	GND
8	Purple	Limit +
9	Purple/White	Limit -
10	Yellow	Blank
•	•	•

### KF42D40-10GZ-50

Width 42mm × height 52mm

Linear type DC power input

Electric

sliding

Electric cylinder G20Z

M282

Electric

clamp DG2

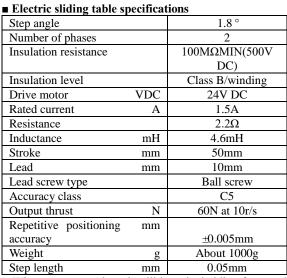
DG3

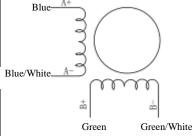
table KF28D KF35D KF42D DRSZ Optional accessorie

■ Reading method of trade name

Model series	Motor Flange size	Motor Step angle	Motor thickness	Lead	Lead screw type	Effective stroke	Motor type
KF	42	D	40	10	GZ	50	
KF: KAIFULL	42:42mm	D:1.8°	40:40mm	02:2mm 05:5mm 10:10mm	GZ: Ball screw LC: Trapezoidal screw	50: 50mm 100:100mm 150:150mm 200:200mm	D: The motor with rear shaft E: The motor with closed loop M: The motor with brake None

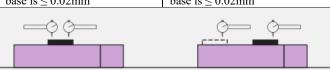
■ Wiring Diagram





■ Parallelism detection

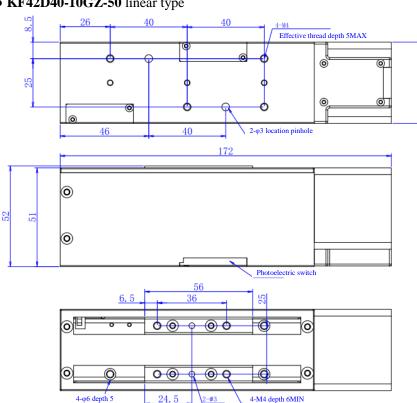
The parallelism between the installation surface and the base is  $\leq 0.02 \text{mm}$  The running parallelism between the installation surface and the base is  $\leq 0.02 \text{mm}$ 



• When not powered on, it will lose the holding force and cannot maintain the vertical loads and external forces. When using vertical drive, please choose the products with electromagnetic brake.

■ Outline Drawing (unit: mm)

• KF42D40-10GZ-50 linear type



Definition of outgoing line

Terminal wire sequence	Wire color	Definition
1	Bold black (shielded)	Е
2	Blue	A+
3	Blue/White	A-
4	Green	B+
5	Green/White	B-
6	Red	V+
7	Black	GND
8	Purple	Limit +
9	Purple/White	Limit -
10	Yellow	Blank

17

■ Reading method of trade name

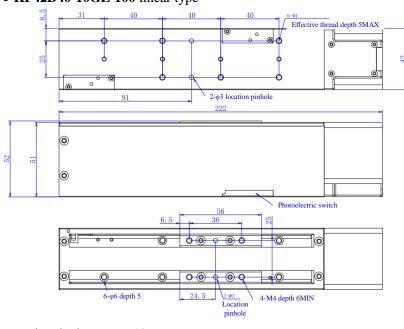
Model series	Motor Flange size	Motor Step angle	Motor thickness	Lead	Lead screw type	Effective stroke	Motor type
KF	42	D	40	10	GZ	100	
KF: KAIFULL	42:42mm	D:1.8°	40:40mm	02:2mm 05:5mm 10:10mm	GZ: Ball screw LC: Trapezoidal screw	50: 50mm 100:100mm 150:150mm 200:200mm	D: The motor with rear shaft E: The motor with closed loop M: The motor with brake None

■ Electric sliding table s	pecificat	ions
Step angle		1.8 °
Number of phases		2
Insulation resistance		100MΩMIN(500V
		DC)
Insulation level		Class B/winding
Drive motor	VDC	24V DC
Rated current	A	1.5A
Resistance		2.2Ω
Inductance	mΗ	4.6mH
Stroke	mm	100mm
Lead	mm	10mm
Lead screw type		Ball screw
Accuracy class		C5
Output thrust	N	60N at 10r/s
Repetitive positioning	mm	
accuracy		±0.005mm
Weight	g	About 1500g
Step length	mm	0.05mm
TT 71 . 1	* * * * * * * * * * * * * * * * * * * *	.1 1 11' C

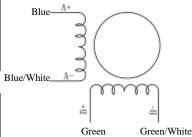
• When not powered on, it will lose the holding force and cannot maintain the vertical loads and external forces. When using vertical drive, please choose the products with electromagnetic brake.

### ■ Outline Drawing (unit: mm)

• KF42D40-10GZ-100 linear type



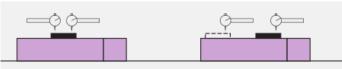
■ Wiring Diagram



#### ■ Parallelism detection

The parallelism between the installation surface and the base is  $\leq 0.02$ mm

The running parallelism between the installation surface and the base is  $\leq 0.02$ mm



Definition of outgoing line

	or ourgoing init	
Terminal wire sequence	Wire color	Definition
1	Bold black (shielded)	Е
2	Blue	A+
3	Blue/White	A-
4	Green	B+
5	Green/White	B-
6	Red	V+
7	Black	GND
8	Purple	Limit +
9	Purple/White	Limit -
10	Yellow	Blank

### KF42D40-10GZ-150

Width 42mm × height 52mm

Linear type DC power input

■ Reading method of trade name

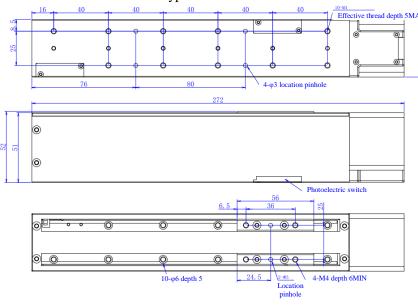
Model series	Motor Flange size	Motor Step angle	Motor thickness	Lead	Lead screw type	Effective stroke	Motor type
KF	42	D	40	10	GZ	150	
KF: KAIFULL	42:42mm	D:1.8°	40:40mm	02:2mm 05:5mm 10:10mm	GZ: Ball screw LC: Trapezoidal screw	50: 50mm 100:100mm 150:150mm 200:200mm	D: The motor with rear shaft E: The motor with closed loop M: The motor with brake None

■ Electric sliding table specifications					
Step angle		1.8 °			
Number of phases		2			
Insulation resistance		100MΩMIN(500V			
		DC)			
Insulation level		Class B/winding			
Drive motor	VDC	24V DC			
Rated current	A	1.5A			
Resistance		$2.2\Omega$			
Inductance	mH	4.6mH			
Stroke	mm	150mm			
Lead	mm	10mm			
Lead screw type		Ball screw			
Accuracy class		C5			
Output thrust	N	60N at 10r/s			
Repetitive positioning	mm				
accuracy		±0.005mm			
Weight	g	About 2000g			
Step length	mm	0.05mm			

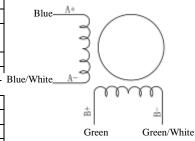
• When not powered on, it will lose the holding force and cannot maintain the vertical loads and external forces. When using vertical drive, please choose the products with electromagnetic brake.

### ■ Outline Drawing (unit: mm)

• KF42D40-10GZ-150 linear type



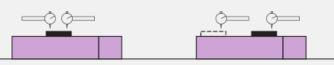
■ Wiring Diagram



#### ■ Parallelism detection

The parallelism between the installation surface and the base is  $\leq 0.02 mm$ 

The running parallelism between the installation surface and the base is  $\leq 0.02 mm$ 



Definition of outgoing line

Terminal wire sequence	Wire color	Definition
1	Bold black (shielded)	E
2	Blue	A+
3	Blue/White	A-
4	Green	B+
5	Green/White	B-
6	Red	V+
7	Black	GND
8	Purple	Limit +
9	Purple/White	Limit -
10	Yellow	Blank
	•	

• Optional wire KFGH10-30.

Electric sliding table KF28D

KF28D KF35D KF42D

DRSZ Optional accessorie

> Electric cylinder G20Z M282

■ Reading method of trade name

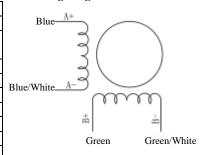
Model series	Motor Flange size	Motor Step angle	Motor thickness	Lead	Lead screw type	Effective stroke	Motor type
KF	42	D	40	10	GZ	200	
KF: KAIFULL	42:42mm	D:1.8°	40:40mm	02:2mm 05:5mm 10:10mm	GZ: Ball screw LC: Trapezoidal screw	50: 50mm 100:100mm 150:150mm 200:200mm	D: The motor with rear shaft E: The motor with closed loop M: The motor with brake None

■ Electric sliding table specifications

pecificat	tions
	1.8 °
	2
	100MΩMIN(500V
	DC)
	Class B/winding
VDC	24V DC
A	1.5A
	2.2Ω
mΗ	4.6mH
mm	200mm
mm	10mm
	Ball screw
	C5
N	60N at 10r/s
mm	
	±0.005mm
g	About 2500g
mm	0.05mm
	VDC A mH mm mm

• When not powered on, it will lose the holding force and cannot maintain the vertical loads and external forces. When using vertical drive, please choose the products with electromagnetic brake.

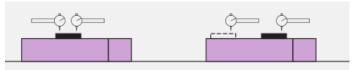
#### ■ Wiring Diagram



#### ■ Parallelism detection

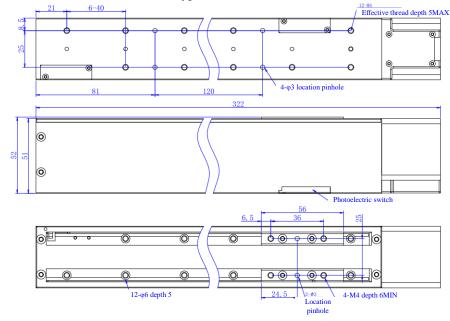
The parallelism between the installation surface and the base is  $\leq 0.02 \text{mm}$ 

The running parallelism between the installation surface and the base is  $\leq 0.02 mm$ 



### ■ Outline Drawing (unit: mm)

• KF42D40-10GZ-200 linear type



Definition of outgoing line

serminon of outgoing line					
Terminal wire sequence	Wire color	Definition			
1	Bold black (shielded)	E			
2	Blue	A+			
3	Blue/White	A-			
4	Green	B+			
5	Green/White	B-			
6	Red	V+			
7	Black	GND			
8	Purple	Limit +			
9	Purple/White	Limit -			
10	Yellow	Blank			

### DRSZ-030LS-1.4ST Width 18.3mm × height 24.3mm DC power input

■ Reading method of trade name

Model series	Customer code	Effective stroke	Load status	Lead	Reducer	Power source	Transmission type
DRS:	Z	030L	S	1.4		ST	
DRS: Linear actuator	A~Z	000L: Customized stroke 020L: 20mm 030L: 30mm 050L: 50mm	S Linear guide rail type None Push-pull standard type	2:2mm 1:1mm 1.4:1.4mm 0: Customized lead	G: Equipped with reduction type None Without reduction type	ST: Open-loop stepper motor SE: Closed-loop stepper motor SS: Integrated stepper motor STE: Encoder stepper motor X: Lead screw stepper motor STB: Brake stepper motor SV: Low-voltage servo motor GSV: Coreless servo motor	T: Trapezoidal precision lead screw B: Ball grinding lead screw TB: Synchronous wheel belt drive None

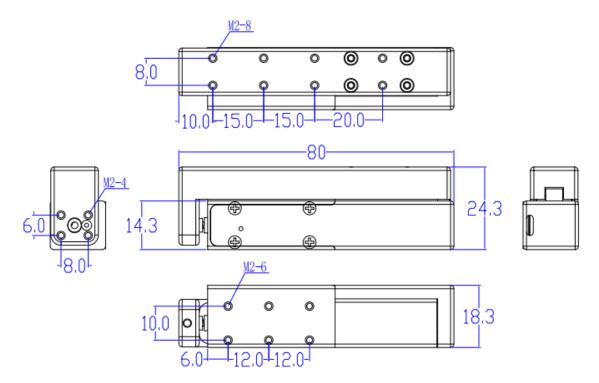
**■** Electric sliding table specifications

	14 steps
mm	30mm
	Customized nut/ball bearing
mm	1.4mm
mm/s	30mm/s
g	50g
Kg	150g
mm	±0.02mm
V DC	24V DC
A	0.4A
	Y2SD1R5
	0~40°C, below 85% RH
	IP40
	mm mm/s g Kg mm V DC

• When not powered on, it will lose the holding force and cannot maintain the vertical loads and external forces. When using vertical drive, please choose the products with electromagnetic brake.

### ■ Outline Drawing (unit: mm)

### •DRSZ-030LS-1.4ST



Electric sliding table KF28D KF35D KF42D DRSZ Optional

> Electric cylinder G20Z M282

accessor

# $DRSZ-040LS-1.4ST \ Width \ 24.2mm \ \times \ height \ 32.2mm \ DC \ power \ input$

■ Reading method of trade name

Model series	Customer code	Effective stroke	Load status	Lead	Reducer	Power source	Transmission type
DRS:	Z	040L	S	1.4		ST	
DRS: Linear actuator	A~Z	000L: Customized stroke 020L: 20mm 030L: 30mm 040L: 40mm	S Linear guide rail type None Push-pull standard type	2:2mm 1:1mm 1.4:1.4mm 0: Customized lead	G: Equipped with reduction type None Without reduction type	ST: Open-loop stepper motor SE: Closed-loop stepper motor SS: Integrated stepper motor STE: Encoder stepper motor X: Lead screw stepper motor STB: Brake stepper motor SV: Low-voltage servo motor GSV: Coreless servo motor	T: Trapezoidal precision lead screw B: Ball grinding lead screw TB: Synchronous wheel belt drive None

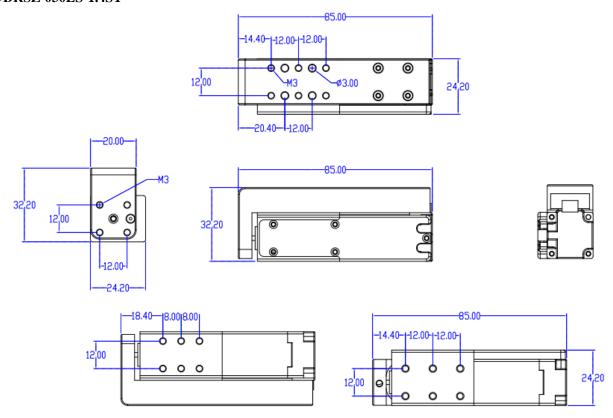
**■** Electric sliding table specifications

	20 steps
mm	40mm
	Customized nut/ball bearing
mm	1.4mm
mm/s	30mm/s
og	500g
Kg	2Kg
mm	±0.02mm
V DC	24V DC
A	0.5A
	Y2SD1R5
	0~40°C, below 85% RH
	IP40
	mm/s g Kg mm

<sup>•</sup> When not powered on, it will lose the holding force and cannot maintain the vertical loads and external forces. When using vertical drive, please choose the products with electromagnetic brake.

### ■ Outline Drawing (unit: mm)

### •DRSZ-030LS-1.4ST



### DRSZ-035LS-2STB Width 32mm × height 43mm DC power input

■ Reading method of trade name

Model series	Customer code	Effective stroke	Load status	Lead	Reducer	Power source	Transmission type
DRS:	Z	035L	S	2		ST	В
DRS: Linear actuator	A~Z	000L: Customized stroke 020L: 20mm 035L: 35mm 050L: 50mm	S Linear guide rail type None Push-pull standard type	2:2mm 1:1mm 0: Customized lead	G: Equipped with reduction type None Without reduction type	ST: Open-loop stepper motor SE: Closed-loop stepper motor SS: Integrated stepper motor STE: Encoder stepper motor X: Lead screw stepper motor STB: Brake stepper motor SV: Low-voltage servo motor GSV: Coreless servo motor	T: Trapezoidal precision lead screw B: Ball grinding lead screw TB: Synchronous wheel belt drive

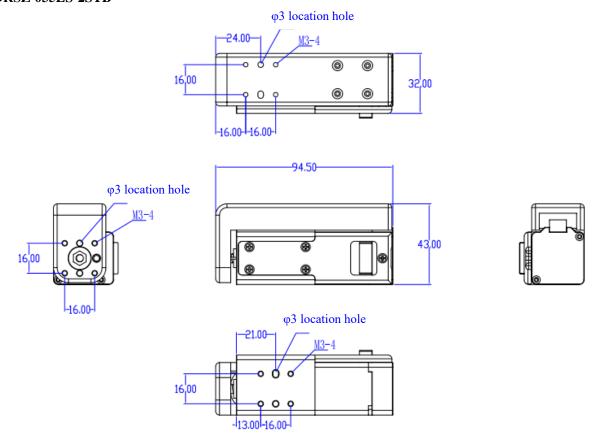
**■** Electric sliding table specifications

Motor		28 steps
Stroke	mm	35mm
Screw type		Ball
Lead	mm	2mm
Maximum speed	mm/s	30mm/s
Maximum vertical load	Kg	1Kg
Maximum horizontal load	Kg	2Kg
Repeated accuracy	mm	±0.01mm
Rated voltage	V DC	24V DC
Peak current	A	0.8A
Applicable controller		Y2SD1R5
Service environment		0~40°C, below 85% RH
Protection grade		IP40

• When not powered on, it will lose the holding force and cannot maintain the vertical loads and external forces. When using vertical drive, please choose the products with electromagnetic brake.

### ■ Outline Drawing (unit: mm)

#### •DRSZ-035LS-2STB



Electric sliding table KF28D KF35D KF42D DRSZ Optional

> Electric cylinder G20Z M282

accessorie

### DRSZ-060LS-2STB Width 32mm × height 43mm DC power input

■ Reading method of trade name

Model	Customer	Effective	Load status	Lead	Reducer	Power source	Transmission
series	code	stroke					type
DRS:	Z	060L	S	2		ST	В
DRS: Linear actuator	A~Z	000L: Customized stroke 020L: 20mm 030L: 30mm 060L: 60mm	S Linear guide rail type None Push-pull standard type	2:2mm 1:1mm 0: Customized lead	G: Equipped with reduction type None Without reduction type	ST: Open-loop stepper motor SE: Closed-loop stepper motor SS: Integrated stepper motor STE: Encoder stepper motor X: Lead screw stepper motor STB: Brake stepper motor SV: Low-voltage servo motor GSV: Coreless servo motor	T: Trapezoidal precision lead screw B: Ball grinding lead screw TB: Synchronous wheel belt drive

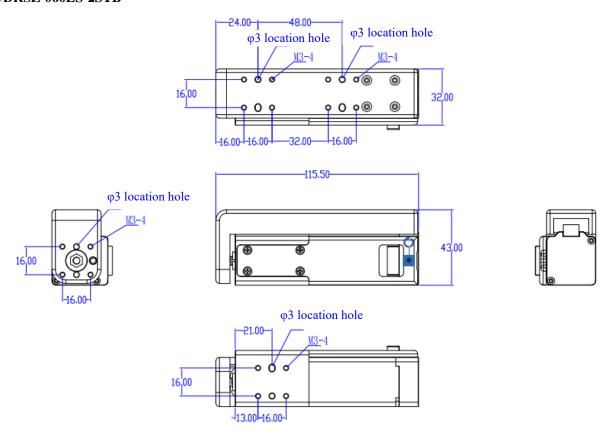
**■** Electric sliding table specifications

Motor		28 steps
Stroke	mm	60mm
Screw type		Ball
Lead	mm	2mm
Maximum speed	mm/s	30mm/s
Maximum vertical load	Kg	2Kg
Maximum horizontal load	Kg	4Kg
Repeated accuracy	mm	±0.01mm
Rated voltage	V DC	24V DC
Peak current	A	1.0A
Applicable controller		Y2SD1R5
Service environment		0~40°C, below 85% RH
Protection grade		IP40

<sup>•</sup> When not powered on, it will lose the holding force and cannot maintain the vertical loads and external forces. When using vertical drive, please choose the products with electromagnetic brake.

### ■ Outline Drawing (unit: mm)

### •DRSZ-060LS-2STB



### DRSZ-110LS-2STB Width 32mm × height 43mm DC power input

■ Reading method of trade name

Model	Customer	Effective	Load status	Lead	Reducer	Power source	Transmission
series	code	stroke					type
DRS:	Z	110L	S	2		ST	В
DRS: Linear actuator	A~Z	000L: Customized stroke 020L: 20mm 030L: 30mm 110L: 110mm	S Linear guide rail type None Push-pull standard type	2:2mm 1:1mm 0: Customized lead	G: Equipped with reduction type None Without reduction type	ST: Open-loop stepper motor SE: Closed-loop stepper motor SS: Integrated stepper motor STE: Encoder stepper motor X: Lead screw stepper motor STB: Brake stepper motor SV: Low-voltage servo motor GSV: Coreless servo motor	T: Trapezoidal precision lead screw B: Ball grinding lead screw TB: Synchronous wheel belt drive

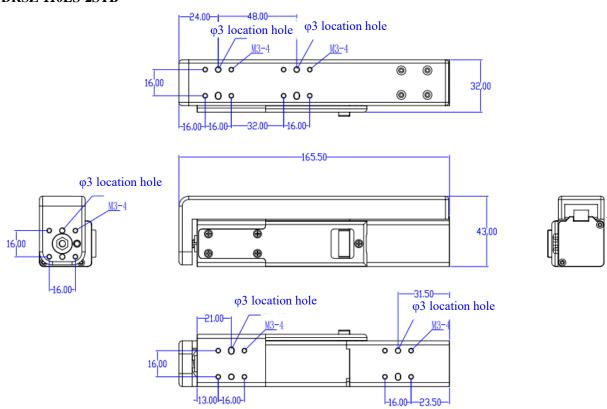
**■** Electric sliding table specifications

Motor		28 steps
Stroke	mm	110mm
Screw type		Ball
Lead	mm	2mm
Maximum speed	mm/s	30mm/s
Maximum vertical load	Kg	2Kg
Maximum horizontal load	Kg	4Kg
Repeated accuracy	mm	±0.02mm
Rated voltage	V DC	24V DC
Peak current	A	1.0A
Applicable controller		Y2SD1R5
Service environment		0~40°C, below 85% RH
Protection grade		IP40

• When not powered on, it will lose the holding force and cannot maintain the vertical loads and external forces. When using vertical drive, please choose the products with electromagnetic brake.

### ■ Outline Drawing (unit: mm)

#### •DRSZ-110LS-2STB



Electric sliding table KF28D KF35D KF42D DRSZ Optional accessorie

Electric cylinder G20Z M282

# DRSZ-050LS-2STEB Width 32mm × height 43mm DC power input

■ Reading method of trade name

Model	Customer	Effective	Load status	Lead	Reducer	Power source	Transmission
series	code	stroke					type
DRS:	Z	050L	S	2		SET	В
DRS: Linear actuator	A~Z	000L: Customized stroke 020L: 20mm 030L: 30mm 050L: 50mm	S Linear guide rail type None Push-pull standard type	2:2mm 1:1mm 0: Customized lead	G: Equipped with reduction type None Without reduction type	ST: Open-loop stepper motor SE: Closed-loop stepper motor SS: Integrated stepper motor STE: Encoder stepper motor X: Lead screw stepper motor STB: Brake stepper motor SV: Low-voltage servo motor GSV: Coreless servo motor	T: Trapezoidal precision lead screw B: Ball grinding lead screw TB: Synchronous wheel belt drive

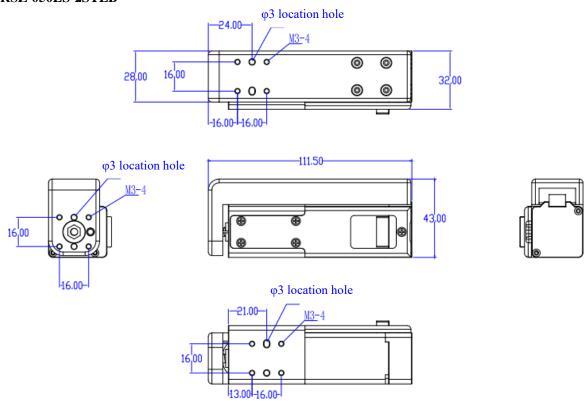
**■** Electric sliding table specifications

Motor		28 encoder steps
Stroke	mm	50mm
Screw type		Ball
Lead	mm	2mm
Maximum speed	mm/s	30mm/s
Maximum vertical load	Kg	2Kg
Maximum horizontal load	Kg	4Kg
Repeated accuracy	mm	±0.01mm
Rated voltage	V DC	24V DC
Peak current	A	1.2A
Applicable controller		Y2SS3
Service environment		0~40°C, below 85% RH
Protection grade		IP40

<sup>•</sup> When not powered on, it will lose the holding force and cannot maintain the vertical loads and external forces. When using vertical drive, please choose the products with electromagnetic brake.

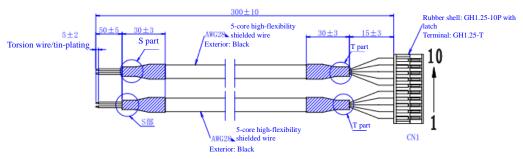
### ■ Outline Drawing (unit: mm)

### •DRSZ-050LS-2STEB



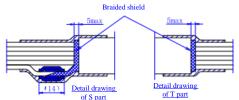
### **Choose accessories**

- **■** Optional wires
- •KFGH10-30



### Notes:

- 1. The pulling force of the motor lead is 14.7N (1.5kgf)/wire or more
- 2. All leads must be from a unified supplier
- 3. The length difference between wires shall be controlled below 5mm



Electric sliding table KF28D

KF28D KF35D

KF42D

DRSZ

Optional accessories

Electric cylinder G20Z M282

Electric clamp DG2

DG3



### Reading method of specification table

The following takes the specifications of an electric sliding table as an example to introduce the reading method of the specification table

**■** Electric sliding table specifications

1	Motor	28 steps
2	Stroke mm	35mm
3	Screw type	Ball
4	Lead mm	2mm
(5)	Maximum speed mm/s	30mm/s
6	Maximum vertical load Kg	1Kg
7	Maximum horizontal load Kg	2Kg
8	Repeated accuracy mm	±0.01mm
9	Rated voltage V DC	24V DC
10	Peak current A	0.8A
11	Applicable controller	Y2SD1R5
12	Service environment	0~40°C, below 85% RH
13	Protection grade	IP40

• Depending on the product, there may be restrictions and precautions for the use methods. Please refer to the notes on each product page for details.

① Motor

Type and size of motor.

② Stroke

The total distance that the workbench can move forward.

3 Screw type

According to the friction characteristics, the lead screws can be classified into three types: sliding lead screw, rolling lead screw, and static pressure lead screw.

(4) Lead

The distance that the workbench advances in a linear direction for each revolution of the motor.

(5) Maximum speed

The maximum speed at which the maximum transportable mass can be transported.

6 Maximum vertical load

The maximum mass that can be operated according to the operating performance of the specification when using an electric cylinder in the vertical direction.

(7) Maximum horizontal load

The maximum mass that can be operated according to the operating performance of the specification when using an electric cylinder in the horizontal direction.

Repeated accuracy

The error value generated when repeatedly positioning the same position from the same direction. (Accuracy is a numerical value at a certain temperature and load).

Rated voltage

The maximum power voltage outputted by the equipment under normal operating conditions.

10 Peak current

The current value at the maximum load of the equipment.

(11) Applicable controller

A device that is suitable to control the start, speed regulation, braking, and reversing of an electric motor.

(12) Service environment

The temperature range within which there will be no impact on the use of the equipment, and it will not result in measurement deviation.

(13) Protection grade

The grade of preventing dust and foreign object intrusion, and preventing intrusion of the solids larger than 1.0mm.

### ■ Types and characteristics of electric cylinders

• DC power input

Reading method of trade name

Model series	Customer code	Effective stroke	Load status	Lead	Reducer	Power source	Transmission type
G20S:	Z	030L	S	1.4		ST	
G20 : Electric cylinder M28: Electric cylinder	A~Z	000L: Customized stroke 020L: 20mm 030L: 30mm 050L: 50mm	S Linear guide rail type None Push-pull standard type	2:2mm 1:1mm 0: Customized lead	G: Equipped with reduction type None Without reduction type	ST: Open-loop stepper motor SE: Closed-loop stepper motor SS: Integrated stepper motor STE: Encoder stepper motor X: Lead screw stepper motor STB: Brake stepper motor SV: Low-voltage servo motor GSV: Coreless servo motor	T: Trapezoidal precision lead screw B: Ball grinding lead screw TB: Synchronous wheel belt drive

Electric sliding table KF28D KF35D KF42D DRSZ

Electric cylinder G20Z M282

Optional accessorie

Electric clamp DG2

DG3

## $G20Z-050L-2STT \quad \text{Width 20mm} \times \text{height 20mm} \quad \text{DC power input}$

■ Reading method of trade name

Model series	Customer code	Effective stroke	Load status	Lead	Reducer	Power source	Transmission type
G20	Z	050L		2		ST	T
G20: Electric cylinder	A~Z	000L: Customized stroke 020L: 20mm 030L: 30mm 050L: 50mm	S Linear guide rail type None Push-pull standard type	2:2mm 1:1mm 0: Customized lead	G: Equipped with reduction type None Without reduction type	ST: Open-loop stepper motor SE: Closed-loop stepper motor SS: Integrated stepper motor STE: Encoder stepper motor X: Lead screw stepper motor STB: Brake stepper motor SV: Low-voltage servo motor GSV: Coreless servo motor	T: Trapezoidal precision lead screw B: Ball grinding lead screw TB: Synchronous wheel belt drive

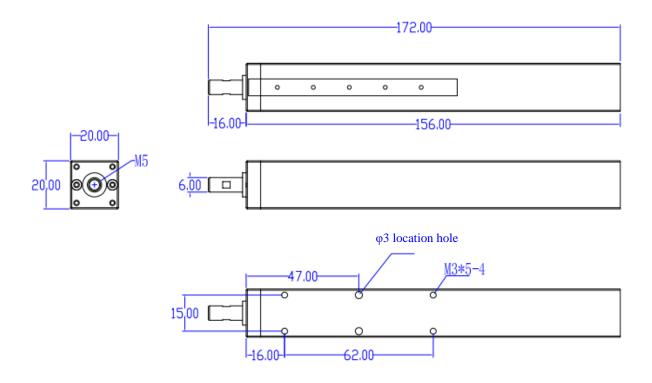
**■** Electric sliding table specifications

Motor		20 steps
Stroke	mm	50mm
Screw type		Trapezoidal
Lead	mm	2mm
Maximum speed	mm/s	30mm/s
Maximum vertical load	Kg	0.8Kg
Maximum horizontal load	Kg	2Kg
Repeated accuracy	mm	±0.02mm
Rated voltage	V DC	24V DC
Peak current	A	1.0A
Applicable controller		Y2SD1R5
Service environment		0~40°C, below 85% RH
Protection grade		IP40

<sup>•</sup> When not powered on, it will lose the holding force and cannot maintain the vertical loads and external forces. When using vertical drive, please choose the products with electromagnetic brake.

### ■ Outline Drawing (unit: mm)

### •G20Z-050L-2STT



### G20Z-050LS-2STT Width 20mm × height 35mm DC power input

■ Reading method of trade name

Model series	Customer code	Effective stroke	Load status	Lead	Reducer	Power source	Transmission type
G20	Z	050L	S	2		ST	T
G20: Electric cylinder	A~Z	000L: Customized stroke 020L: 20mm 030L: 30mm 050L: 50mm	S Linear guide rail type None Push-pull standard type	2:2mm 1:1mm 0: Customized lead	G: Equipped with reduction type None Without reduction type	ST: Open-loop stepper motor SE: Closed-loop stepper motor SS: Integrated stepper motor STE: Encoder stepper motor X: Lead screw stepper motor STB: Brake stepper motor SV: Low-voltage servo motor GSV: Coreless servo motor	T: Trapezoidal precision lead screw B: Ball grinding lead screw TB: Synchronous wheel belt drive

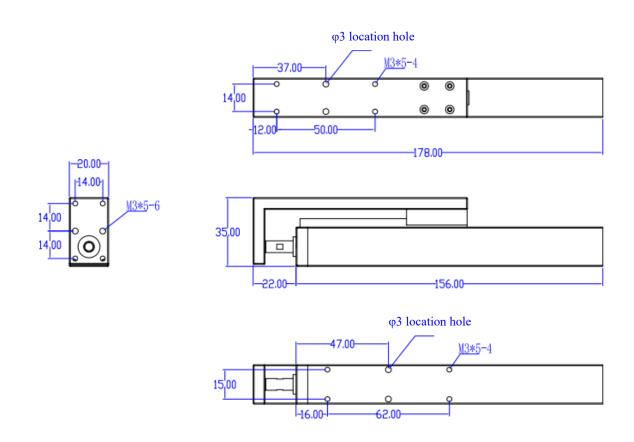
**■** Electric sliding table specifications

Motor		20 steps
Stroke	mm	50mm
Screw type		Trapezoidal
Lead	mm	2mm
Maximum speed	mm/s	30mm/s
Maximum vertical load	Kg	0.8Kg
Maximum horizontal load	Kg	2Kg
Repeated accuracy	mm	±0.02mm
Rated voltage	V DC	24V DC
Peak current	A	1.0A
Applicable controller		Y2SD1R5
Service environment		0~40°C, below 85% RH
Protection grade		IP40

• When not powered on, it will lose the holding force and cannot maintain the vertical loads and external forces. When using vertical drive, please choose the products with electromagnetic brake.

### ■ Outline Drawing (unit: mm)

### •G20Z-050LS-2STT



Electric sliding table KF28D KF35D KF42D DRSZ Optional accessorie

Electric cylinder G20Z M282

## $G20Z-080L-2STT \quad \text{Width 20mm} \times \text{height 20mm} \quad \text{DC power input}$

■ Reading method of trade name

Model series	Customer code	Effective stroke	Load status	Lead	Reducer	Power source	Transmission type
G20	Z	080L		2		ST	T
G20: Electric cylinder	A~Z	000L: Customized stroke 020L: 20mm 030L: 30mm 080L: 080mm	S Linear guide rail type None Push-pull standard type	2:2mm 1:1mm 0: Customized lead	G: Equipped with reduction type None Without reduction type	ST: Open-loop stepper motor SE: Closed-loop stepper motor SS: Integrated stepper motor STE: Encoder stepper motor X: Lead screw stepper motor STB: Brake stepper motor SV: Low-voltage servo motor GSV: Coreless servo motor	T: Trapezoidal precision lead screw B: Ball grinding lead screw TB: Synchronous wheel belt drive

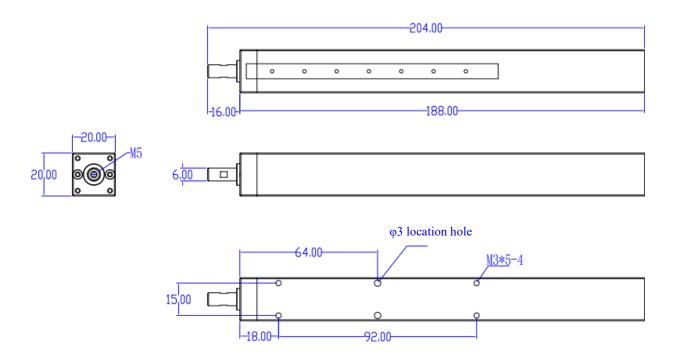
**■** Electric sliding table specifications

Motor		20 steps		
Stroke	mm	80mm		
Screw type		Trapezoidal		
Lead	mm	2mm		
Maximum speed	mm/s	30mm/s		
Maximum vertical load	Kg	0.8Kg		
Maximum horizontal load	Kg	2Kg		
Repeated accuracy	mm	±0.02mm		
Rated voltage	V DC	24V DC		
Peak current	A	1.0A		
Applicable controller		Y2SD1R5		
Service environment		0~40°C, below 85% RH		
Protection grade		IP40		

<sup>•</sup> When not powered on, it will lose the holding force and cannot maintain the vertical loads and external forces. When using vertical drive, please choose the products with electromagnetic brake.

### ■ Outline Drawing (unit: mm)

### •G20Z-080L-2STT



### G20Z-080LS-2STT Width 20mm × height 35mm DC power input

■ Reading method of trade name

Model	Customer	Effective	Load status	Lead	Reducer	Power source	Transmission
series	code	stroke					type
G20	Z	080L	S	2		ST	T
G20: Electric cylinder	A~Z	000L: Customized stroke 020L: 20mm 030L: 30mm 080L: 080mm	S Linear guide rail type None Push-pull standard type	2:2mm 1:1mm 0: Customized lead	G: Equipped with reduction type None Without reduction type	ST: Open-loop stepper motor SE: Closed-loop stepper motor SS: Integrated stepper motor STE: Encoder stepper motor X: Lead screw stepper motor STB: Brake stepper motor SV: Low-voltage servo motor GSV: Coreless servo motor	T: Trapezoidal precision lead screw B: Ball grinding lead screw TB: Synchronous wheel belt drive

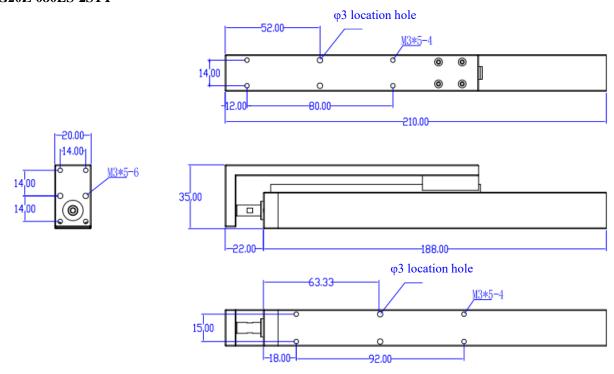
**■** Electric sliding table specifications

Motor		20 steps
Stroke	mm	80mm
Screw type		Trapezoidal
Lead	mm	2mm
Maximum speed	mm/s	30mm/s
Maximum vertical load	Kg	0.8Kg
Maximum horizontal load	Kg	2Kg
Repeated accuracy	mm	±0.02mm
Rated voltage	V DC	24V DC
Peak current	A	1.0A
Applicable controller		Y2SD1R5
Service environment		0~40°C, below 85% RH
Protection grade		IP40

• When not powered on, it will lose the holding force and cannot maintain the vertical loads and external forces. When using vertical drive, please choose the products with electromagnetic brake.

### ■ Outline Drawing (unit: mm)

#### •G20Z-080LS-2STT



Electric sliding table KF28D KF35D KF42D DRSZ Optional accessories

Electric cylinder G20Z M282

### M28Z-030L-2STT Width 28mm × height 28mm DC power input

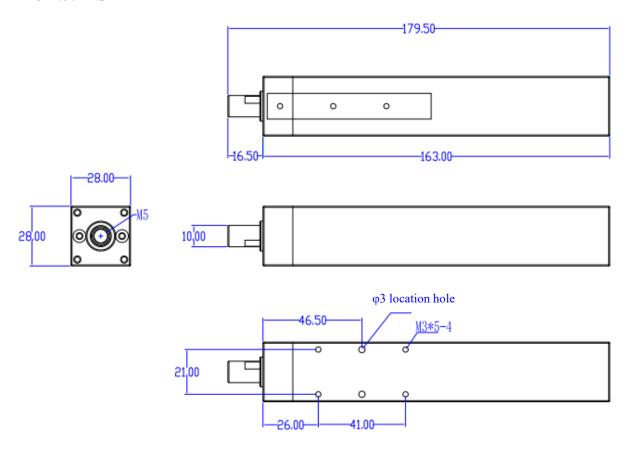
■ Reading method of trade name

Model	Customer	Effective	Load status	Lead	Reducer	Power source	Transmission
series	code	stroke					type
M28	Z	030L		2		ST	T
M28: Electric cylinder	A~Z	000L: Customized stroke 020L: 20mm 030L: 30mm 050L: 050mm	S Linear guide rail type None Push-pull standard type	2:2mm 1:1mm 0: Customized lead	G: Equipped with reduction type None Without reduction type	ST: Open-loop stepper motor SE: Closed-loop stepper motor SS: Integrated stepper motor STE: Encoder stepper motor X: Lead screw stepper motor STB: Brake stepper motor SV: Low-voltage servo motor GSV: Coreless servo motor	T: Trapezoidal precision lead screw B: Ball grinding lead screw TB: Synchronous wheel belt drive

**■** Electric sliding table specifications

Motor		28 steps
Stroke mm		30mm
Screw type		Trapezoidal
Lead	mm	2mm
Maximum speed	mm/s	30mm/s
Maximum vertical load	Kg	3Kg
Maximum horizontal load	Kg	6Kg
Repeated accuracy	mm	±0.02mm
Rated voltage	V DC	24V DC
Peak current	A	1.0A
Applicable controller		Y2SD1R5
Service environment		0~40°C, below 85% RH
Protection grade		IP40

- When not powered on, it will lose the holding force and cannot maintain the vertical loads and external forces. When using vertical drive, please choose the products with electromagnetic brake.
- Outline Drawing (unit: mm)
- •M28Z-030L-2STT



## M28Z-030L-2SVT Width 28mm × height 28mm DC power input

■ Reading method of trade name

Model	Customer	Effective	Load status	Lead	Reducer	Power source	Transmission
series	code	stroke					type
M28	Z	030L		2		SV	T
M28: Electric cylinder	A~Z	000L: Customized stroke 020L: 20mm 030L: 30mm 050L: 050mm	S Linear guide rail type None Push-pull standard type	2:2mm 1:1mm 0: Customized lead	G: Equipped with reduction type None Without reduction type	ST: Open-loop stepper motor SE: Closed-loop stepper motor SS: Integrated stepper motor STE: Encoder stepper motor X: Lead screw stepper motor STB: Brake stepper motor SV: Low-voltage servo motor GSV: Coreless servo motor	T: Trapezoidal precision lead screw B: Ball grinding lead screw TB: Synchronous wheel belt drive

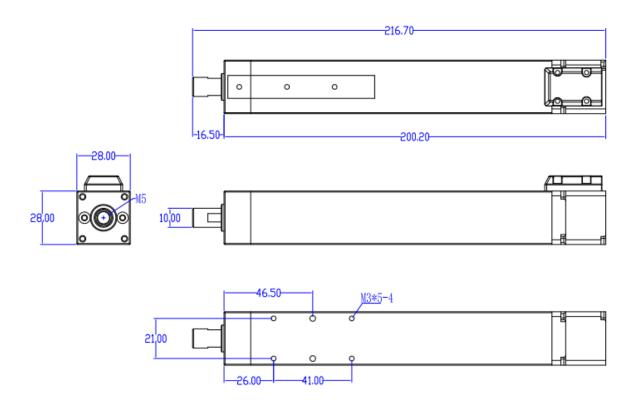
**■** Electric sliding table specifications

Motor		28 servo
Stroke	mm	30mm
Screw type		Trapezoidal
Lead	mm	2mm
Maximum speed	mm/s	100mm/s
Maximum vertical load	Kg	3Kg
Maximum horizontal load	Kg	6Kg
Repeated accuracy	mm	±0.02mm
Rated voltage	V DC	24V DC
Peak current	A	1.65A
Applicable controller		IDS 306
Service environment		0~40°C, below 85% RH
Protection grade		IP40

• When not powered on, it will lose the holding force and cannot maintain the vertical loads and external forces. When using vertical drive, please choose the products with electromagnetic brake.

### ■ Outline Drawing (unit: mm)

#### •M28Z-030L-2SVT



Electric sliding table KF28D KF35D KF42D DRSZ Optional accessories

> Electric cylinder G20Z M282

# $M28Z-030LS-2STT \ \ Width \ 28mm \ \times height \ 48.5mm \quad \ DC \ power \ input$

■ Reading method of trade name

Model	Customer	Effective	Load	Lead	Reducer	Power source	Transmission
series	code	stroke	status				type
M28	Z	030L	S	2		ST	T
M28:	A~Z	000L:	S	2:2mm	G:	ST: Open-loop stepper motor	T: Trapezoidal
Electric		Customized stroke	Linear guide	1:1mm	Equipped with	SE: Closed-loop stepper motor	precision lead
cylinder		020L:	rail type	0:	reduction type	SS: Integrated stepper motor	screw
		20mm	None	Customized		STE: Encoder stepper motor	B: Ball grinding
		030L:	Push-pull	lead	None	X: Lead screw stepper motor	lead screw
		30mm	standard		Without reduction	STB: Brake stepper motor	TB:
		050L:	type		type	SV: Low-voltage servo motor	Synchronous
		050mm			7.	GSV: Coreless servo motor	wheel belt drive

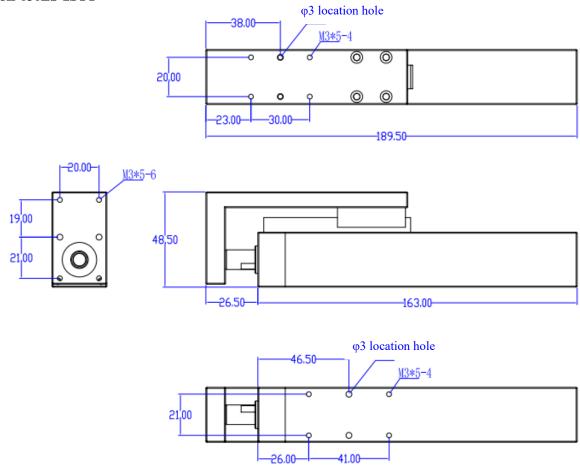
**■** Electric sliding table specifications

Motor		28 steps
Stroke	mm	30mm
Screw type		Trapezoidal
Lead	mm	2mm
Maximum speed	mm/s	30mm/s
Maximum vertical load	Kg	3Kg
Maximum horizontal load	Kg	6Kg
Repeated accuracy	mm	±0.02mm
Rated voltage	V DC	24V DC
Peak current	A	1.0A
Applicable controller		Y2SD1R5
Service environment		0~40°C, below 85% RH
Protection grade		IP40

<sup>•</sup> When not powered on, it will lose the holding force and cannot maintain the vertical loads and external forces. When using vertical drive, please choose the products with electromagnetic brake.

### ■ Outline Drawing (unit: mm)

#### •M28Z-030LS-2STT



## M28Z-030LS-2SVT Width 28mm × height 48.5mm DC power input

■ Reading method of trade name

Model							
Model	Customer	Effective	Load status	Lead	Reducer	Power source	Transmission
series	code	stroke					type
M28	Z	030L	S	2		SV	T
M28: Electric cylinder	A~Z	000L: Customized stroke 020L: 20mm 030L: 30mm 050L: 050mm	S Linear guide rail type None Push-pull standard type	2:2mm 1:1mm 0: Customized lead	G: Equipped with reduction type None Without reduction type	ST: Open-loop stepper motor SE: Closed-loop stepper motor SS: Integrated stepper motor STE: Encoder stepper motor X: Lead screw stepper motor STB: Brake stepper motor SV: Low-voltage servo motor GSV: Coreless servo motor	T: Trapezoidal precision lead screw B: Ball grinding lead screw TB: Synchronous wheel belt drive

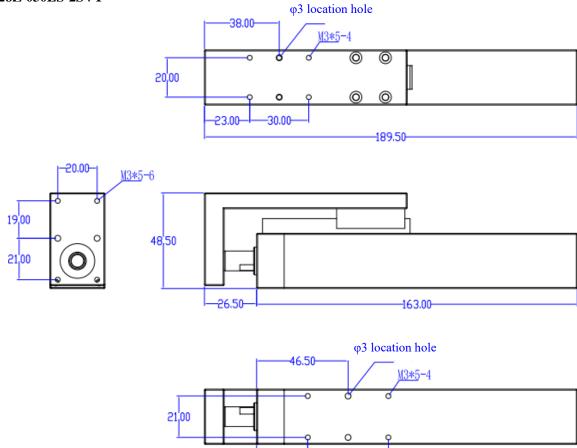
**■** Electric sliding table specifications

= Electric shaing table speciment		
Motor		28 servo
Stroke	mm	30mm
Screw type		Trapezoidal
Lead	mm	2mm
Maximum speed	mm/s	100mm/s
Maximum vertical load	Kg	3Kg
Maximum horizontal load	Kg	6Kg
Repeated accuracy	mm	±0.02mm
Rated voltage	V DC	24V DC
Peak current	A	1.0A
Applicable controller		IDS 306
Service environment		0~40°C, below 85% RH
Protection grade		IP40

• When not powered on, it will lose the holding force and cannot maintain the vertical loads and external forces. When using vertical drive, please choose the products with electromagnetic brake.

### ■ Outline Drawing (unit: mm)

•M28Z-030LS-2SVT



Electric sliding table KF28D KF35D KF42D DRSZ Optional accessori

Electric cylinder G20Z M282

Electric clamp DG2 DG3

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# M28Z-060L-2STT Width 28mm × height 28mm DC power input

■ Reading method of trade name

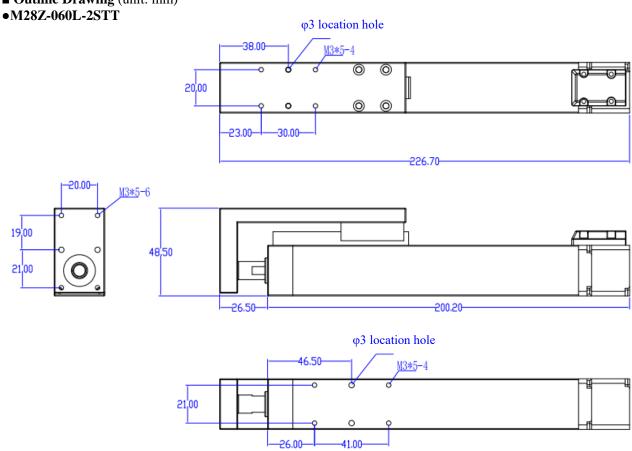
Model	Customer	Effective	Load status	Lead	Reducer	Power source	Transmission
series	code	stroke					type
M28	Z	060L		2		ST	T
M28: Electric cylinder	A~Z	000L: Customized stroke 020L: 20mm 030L: 30mm 060L: 060mm	S Linear guide rail type None Push-pull standard type	2:2mm 1:1mm 0: Customized lead	G: Equipped with reduction type None Without reduction type	ST: Open-loop stepper motor SE: Closed-loop stepper motor SS: Integrated stepper motor STE: Encoder stepper motor X: Lead screw stepper motor STB: Brake stepper motor SV: Low-voltage servo motor GSV: Coreless servo motor	T: Trapezoidal precision lead screw B: Ball grinding lead screw TB: Synchronous wheel belt drive

**■** Electric sliding table specifications

Electric shaing table specification	10113	
Motor		28 steps
Stroke	mm	60mm
Screw type		Trapezoidal
Lead	mm	2mm
Maximum speed	mm/s	30mm/s
Maximum vertical load	Kg	3Kg
Maximum horizontal load	Kg	6Kg
Repeated accuracy	mm	±0.02mm
Rated voltage	V DC	24V DC
Peak current	A	1.0A
Applicable controller		Y2SD1R5
Service environment		0~40°C, below 85% RH
Protection grade		IP40

• When not powered on, it will lose the holding force and cannot maintain the vertical loads and external forces. When using vertical drive, please choose the products with electromagnetic brake.

■ Outline Drawing (unit: mm)



## M28Z-060L-2SVT Width 28mm × height 28mm DC power input

■ Reading method of trade name

Model	Customer	Effective	Load status	Lead	Reducer	Power source	Transmission
series	code	stroke					type
M28	Z	060L		2		SV	T
M28: Electric cylinder	A~Z	000L: Customized stroke 020L: 20mm 030L: 30mm 060L: 060mm	S Linear guide rail type None Push-pull standard type	2:2mm 1:1mm 0: Customized lead	G: Equipped with reduction type None Without reduction type	ST: Open-loop stepper motor SE: Closed-loop stepper motor SS: Integrated stepper motor STE: Encoder stepper motor X: Lead screw stepper motor STB: Brake stepper motor SV: Low-voltage servo motor GSV: Coreless servo motor	T: Trapezoidal precision lead screw B: Ball grinding lead screw TB: Synchronous wheel belt drive

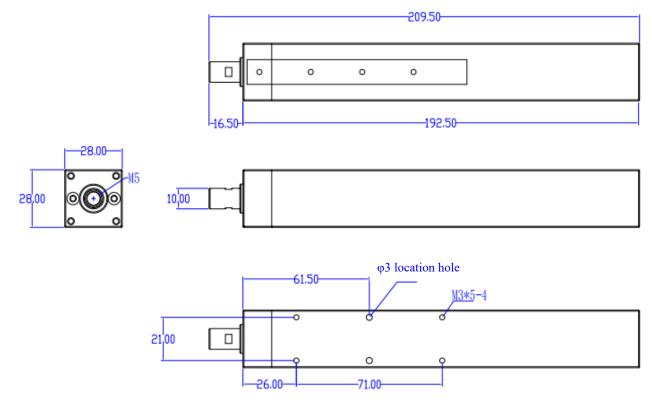
**■** Electric sliding table specifications

Electric shaing table specification	UIIS	
Motor		28 servo
Stroke	mm	60mm
Screw type		Trapezoidal
Lead	mm	2mm
Maximum speed	mm/s	100mm/s
Maximum vertical load	Kg	3Kg
Maximum horizontal load	Kg	6Kg
Repeated accuracy	mm	±0.02mm
Rated voltage	V DC	24V DC
Peak current	A	1.65A
Applicable controller		IDS 306
Service environment		0~40°C, below 85% RH
Protection grade		IP40

• When not powered on, it will lose the holding force and cannot maintain the vertical loads and external forces. When using vertical drive, please choose the products with electromagnetic brake.

### ■ Outline Drawing (unit: mm)

#### •M28Z-060L-2SVT



Electric sliding table KF28D KF35D KF42D DRSZ Optional accessorie

Electric cylinder G20Z M282

## M28Z-060LS-2STT Width 32mm × height 43mm DC power input

■ Reading method of trade name

Model	Customer	Effective	Load status	Lead	Reducer	Power source	Transmission
series	code	stroke					type
M28	Z	060L	S	2		ST	T
M28: Electric cylinder	A~Z	000L: Customized stroke 020L: 20mm 030L: 30mm 060L: 060mm	S Linear guide rail type None Push-pull standard type	2:2mm 1:1mm 0: Customized lead	G: Equipped with reduction type None Without reduction type	ST: Open-loop stepper motor SE: Closed-loop stepper motor SS: Integrated stepper motor STE: Encoder stepper motor X: Lead screw stepper motor STB: Brake stepper motor SV: Low-voltage servo motor GSV: Coreless servo motor	T: Trapezoidal precision lead screw B: Ball grinding lead screw TB: Synchronous wheel belt drive

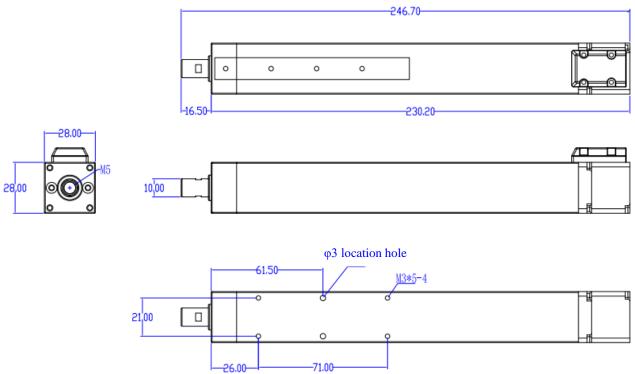
**■** Electric sliding table specifications

Motor		28 steps
Stroke	mm	60mm
Screw type		Trapezoidal
Lead	mm	2mm
Maximum speed	mm/s	300mm/s
Maximum vertical load	Kg	3Kg
Maximum horizontal load	Kg	6Kg
Repeated accuracy	mm	±0.02mm
Rated voltage	V DC	24V DC
Peak current	A	1.0A
Applicable controller		Y2SD1R5
Service environment		0~40°C, below 85% RH
Protection grade		IP40

• When not powered on, it will lose the holding force and cannot maintain the vertical loads and external forces. When using vertical drive, please choose the products with electromagnetic brake.

## ■ Outline Drawing (unit: mm)

### •M28Z-060LS-2STT



## M28Z-060LS-2SVT Width 28mm × height 28mm DC power input

■ Reading method of trade name

Model	Customer	Effective	Load status	Lead	Reducer	Power source	Transmission
Model			Load status	Leau	Reducei	rower source	Transmission
series	code	stroke					type
M28	Z	060L	S	2		SV	T
M28:	A~Z	000L:	S	2:2mm	G:	ST: Open-loop stepper motor	T: Trapezoidal
Electric		Customized stroke	Linear guide rail	1:1mm	Equipped with	SE: Closed-loop stepper	precision lead
cylinder		020L:	type	0:	reduction type	motor	screw
		20mm	None	Customized		SS: Integrated stepper motor	B: Ball grinding
		030L:	Push-pull	lead	None	STE: Encoder stepper motor	lead screw
		30mm	standard type		Without	X: Lead screw stepper motor	TB:
		060L:			reduction type	STB: Brake stepper motor	Synchronous wheel
		060mm				SV: Low-voltage servo motor	belt drive
						GSV: Coreless servo motor	

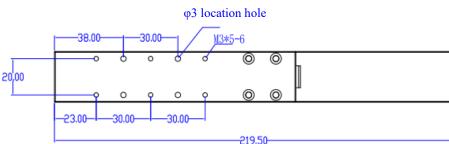
**■** Electric sliding table specifications

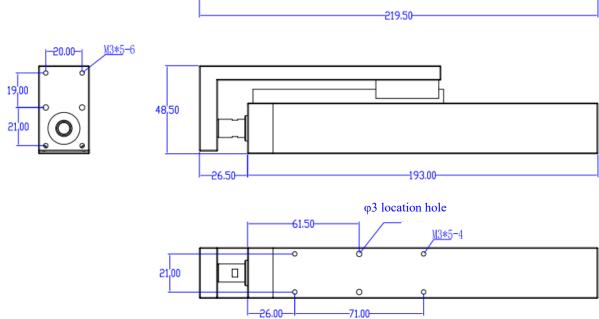
Electric shaing table specifications	UIIS	
Motor		28 servo
Stroke	mm	60mm
Screw type		Trapezoidal
Lead	mm	2mm
Maximum speed	mm/s	100mm/s
Maximum vertical load	Kg	3Kg
Maximum horizontal load	Kg	6Kg
Repeated accuracy	mm	±0.02mm
Rated voltage	V DC	24V DC
Peak current	A	1.65A
Applicable controller		IDS 306
Service environment		0~40°C, below 85% RH
Protection grade		IP40

• When not powered on, it will lose the holding force and cannot maintain the vertical loads and external forces. When using vertical drive, please choose the products with electromagnetic brake.

### ■ Outline Drawing (unit: mm)

•M28Z-060LS-2SVT





Electric sliding table KF28D KF35D KF42D DRSZ Optional

> Electric cylinder G20Z M282

accessori

## M28Z-100L-2STT Width 28mm × height 28mm DC power input

■ Reading method of trade name

$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	■ Reading	memod of t	rade name					
M28     Z     100L     2     ST     T       M28:     A~Z     000L:     S     2:2mm     G:     ST: Open-loop stepper motor     T: Trape       Electric cylinder     Customized stroke     Linear guide rail type     1:1mm     Equipped with reduction type     SE: Closed-loop stepper motor screw     SS: Integrated stepper motor screw       20mm     None     Customized lead     None     STE: Encoder stepper motor screw     B: Ball gr       30mm     standard type     Without     STB: Brake stepper motor     TB:	Model	Customer	Effective	Load status	Lead	Reducer	Power source	Transmission
M28: A~Z 000L: S 2:2mm G: ST: Open-loop stepper motor Customized stroke cylinder 020L: rail type 0: rail type 030L: 20mm None Customized lead None STE: Encoder stepper motor STE: Enco	series	code	stroke					type
Electric cylinder	M28	Z	100L		2		ST	T
100E. 100mm Sylicinolistics 100mm	Electric	A~Z	Customized stroke 020L: 20mm 030L: 30mm 100L:	rail type None Push-pull	1:1mm 0: Customized	Equipped with reduction type  None	SE: Closed-loop stepper motor SS: Integrated stepper motor STE: Encoder stepper motor X: Lead screw stepper motor STB: Brake stepper motor SV: Low-voltage servo motor	precision lead screw B: Ball grinding lead screw TB: Synchronous wheel

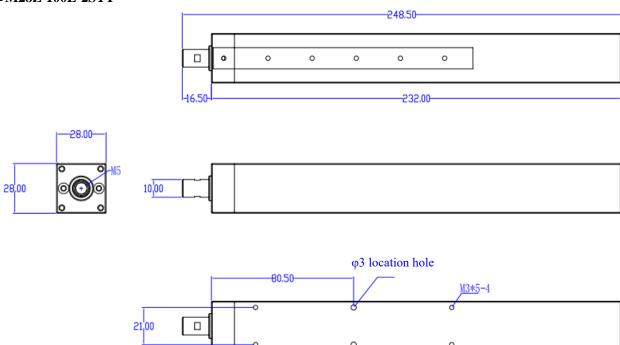
**■** Electric sliding table specifications

Motor		28 steps
Stroke	mm	100mm
Screw type		Trapezoidal
Lead	mm	2mm
Maximum speed	mm/s	30mm/s
Maximum vertical load	Kg	3Kg
Maximum horizontal load	Kg	6Kg
Repeated accuracy	mm	±0.02mm
Rated voltage	V DC	24V DC
Peak current	A	1.0A
Applicable controller		Y2SD1R5
Service environment		0~40°C, below 85% RH
Protection grade		IP40

• When not powered on, it will lose the holding force and cannot maintain the vertical loads and external forces. When using vertical drive, please choose the products with electromagnetic brake.

### ■ Outline Drawing (unit: mm)

### •M28Z-100L-2STT



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## M28Z-100L-2SVT Width 28mm × height 28mm DC power input

■ Reading method of trade name

Model	Customer	Effective	Load status	Lead	Reducer	Power source	Transmission
series	code	stroke					type
M28	Z	100L		2		SV	T
M28: Electric cylinder	A~Z	000L: Customized stroke 020L: 20mm 030L: 30mm 100L: 100mm	S Linear guide rail type None Push-pull standard type	2:2mm 1:1mm 0: Customized lead	G: Equipped with reduction type None Without reduction type	ST: Open-loop stepper motor SE: Closed-loop stepper motor SS: Integrated stepper motor STE: Encoder stepper motor X: Lead screw stepper motor STB: Brake stepper motor SV: Low-voltage servo motor GSV: Coreless servo motor	T: Trapezoidal precision lead screw B: Ball grinding lead screw TB: Synchronous wheel belt drive

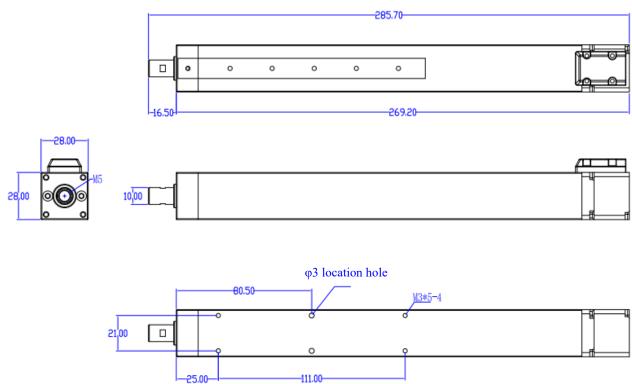
**■** Electric sliding table specifications

Electric shaing table specifications	UIIS	
Motor		28 servo
Stroke	mm	100mm
Screw type		Trapezoidal
Lead	mm	2mm
Maximum speed	mm/s	100mm/s
Maximum vertical load	Kg	3Kg
Maximum horizontal load	Kg	6Kg
Repeated accuracy	mm	±0.02mm
Rated voltage	V DC	24V DC
Peak current	A	1.65A
Applicable controller		IDS 306
Service environment		0~40°C, below 85% RH
Protection grade		IP40

• When not powered on, it will lose the holding force and cannot maintain the vertical loads and external forces. When using vertical drive, please choose the products with electromagnetic brake.

### ■ Outline Drawing (unit: mm)

#### •M28Z-100L-2SVT



Electric sliding table KF28D KF35D KF42D DRSZ Optional accessories

Electric cylinder G20Z M282

# $M28Z\text{-}100LS\text{-}2STT \ \ \text{Width 28mm} \ \times \ \text{height 48.5mm} \ \ \_DC \ \ \text{power input}$

■ Reading method of trade name

Model	Customer	Effective	Load status	Lead	Reducer	Power source	Transmission
series	code	stroke					type
M28	Z	100L	S	2		ST	T
M28: Electric cylinder	A~Z	000L: Customized stroke 020L: 20mm 030L: 30mm 100L: 100mm	S Linear guide rail type None Push-pull standard type	2:2mm 1:1mm 0: Customized lead	G: Equipped with reduction type None Without reduction type	ST: Open-loop stepper motor SE: Closed-loop stepper motor SS: Integrated stepper motor STE: Encoder stepper motor X: Lead screw stepper motor STB: Brake stepper motor SV: Low-voltage servo motor GSV: Coreless servo motor	T: Trapezoidal precision lead screw B: Ball grinding lead screw TB: Synchronous wheel belt drive

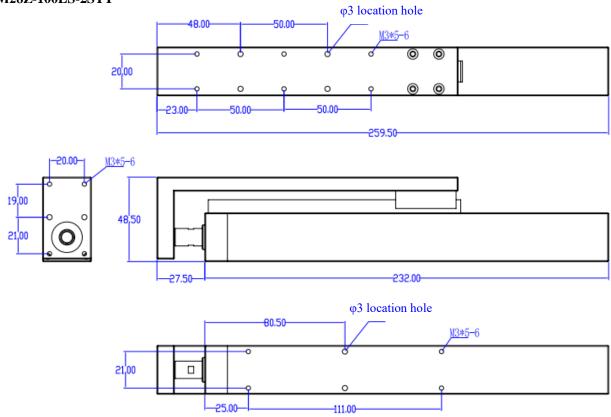
**■** Electric sliding table specifications

Motor		28 steps
Stroke	mm	100mm
Screw type		Trapezoidal
Lead	mm	2mm
Maximum speed	mm/s	30mm/s
Maximum vertical load	Kg	3Kg
Maximum horizontal load	Kg	6Kg
Repeated accuracy	mm	±0.02mm
Rated voltage	V DC	24V DC
Peak current	A	1.0A
Applicable controller		Y2SD1R5
Service environment		0~40°C, below 85% RH
Protection grade		IP40

• When not powered on, it will lose the holding force and cannot maintain the vertical loads and external forces. When using vertical drive, please choose the products with electromagnetic brake.

## ■ Outline Drawing (unit: mm)

•M28Z-100LS-2STT



## M28Z-100LS-2SVT Width 28mm × height 28mm DC power input

■ Reading method of trade name

Model	Customer	Effective	Load status	Lead	Reducer	Power source	Transmission
series	code	stroke					type
M28	Z	100L	S	2		SV	T
M28: Electric cylinder	A~Z	000L: Customized stroke 020L: 20mm 030L: 30mm 100L: 100mm	S Linear guide rail type None Push-pull standard type	2:2mm 1:1mm 0: Customized lead	G: Equipped with reduction type None Without reduction type	ST: Open-loop stepper motor SE: Closed-loop stepper motor SS: Integrated stepper motor STE: Encoder stepper motor X: Lead screw stepper motor STB: Brake stepper motor SV: Low-voltage servo motor GSV: Coreless servo motor	T: Trapezoidal precision lead screw B: Ball grinding lead screw TB: Synchronous wheel belt drive

**■** Electric sliding table specifications

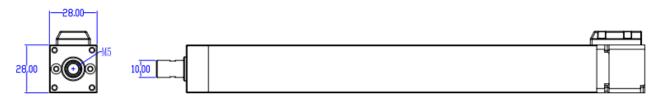
Electric shaing table specifications	UIIS	
Motor		28 servo
Stroke	mm	100mm
Screw type		Trapezoidal
Lead	mm	2mm
Maximum speed	mm/s	100mm/s
Maximum vertical load	Kg	3Kg
Maximum horizontal load	Kg	6Kg
Repeated accuracy	mm	±0.02mm
Rated voltage	V DC	24V DC
Peak current	A	1.65A
Applicable controller		IDS 306
Service environment		0~40°C, below 85% RH
Protection grade		IP40

• When not powered on, it will lose the holding force and cannot maintain the vertical loads and external forces. When using vertical drive, please choose the products with electromagnetic brake.

### ■ Outline Drawing (unit: mm)

#### •M28Z-100LS-2SVT







Electric sliding table KF28D KF35D KF42D DRSZ Optional

> Electric cylinder G20Z M282

accessorie

## DG2-04L-ST DC power input

■ Reading method of trade name

- Reading	inctilod of t	rade name					
Model	Customer	Effective	Load status	Lead	Reducer	Power source	Transmission
series	code	stroke					type
DG2		04L				ST	
DG2:	A~Z	000L:	S	2:2mm	G:	ST: Open-loop stepper motor	T: Trapezoidal
Electric clamp		Customized stroke	Linear guide rail	1:1mm	Equipped with	SE: Closed-loop stepper	precision lead
DG3:		04L:	type	0:	reduction type	motor	screw
Electric clamp		Single side 4mm	None	Customized		SS: Integrated stepper motor	B: Ball grinding
		15L:	Push-pull	lead	None	STE: Encoder stepper motor	lead screw
		Maximum 15mm	standard type		Without	X: Lead screw stepper motor	TB:
					reduction type	STB: Brake stepper motor	Synchronous wheel
					,,,	SV: Low-voltage servo motor	belt drive
						GSV: Coreless servo motor	None

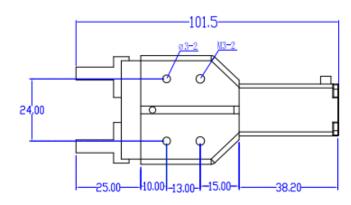
**■** Electric sliding table specifications

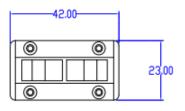
Motor		20 steps
Stroke	mm	7mm
Lead	mm	1mm
Maximum speed	mm/s	30mm/s
Maximum load	Kg	1Kg
Repeated accuracy	mm	±0.05mm
Rated voltage	V DC	24V DC
Peak current	A	1.0A
Applicable controller		Y2SD1R5
Service environment		0~40°C, below 85% RH
Protection grade	<u>-</u>	IP40

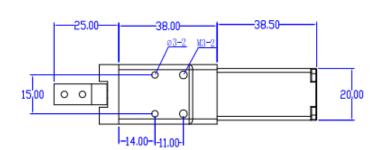
• When not powered on, it will lose the holding force and cannot maintain the vertical loads and external forces. When using vertical drive, please choose the products with electromagnetic brake.

### ■ Outline Drawing (unit: mm)

### •DG2-04L-ST







## **DG2-07L-STE DC** power input

■ Reading method of trade name

Reading method of trade name								
Model	Customer	Effective	Load status	Lead	Reducer	Power source	Transmission	
series	code	stroke					type	
DG2		07L				STE		
DG2:	A~Z	000L:	S	2:2mm	G:	ST: Open-loop stepper motor	T: Trapezoidal	
Electric clamp		Customized stroke	Linear guide	1:1mm	Equipped with	SE: Closed-loop stepper	precision lead	
DG3:		04L:	rail type	0: Customized	reduction type	motor	screw	
Electric clamp		Single side 4mm	None	lead		SS: Integrated stepper motor	B: Ball grinding	
		07L:	Push-pull		None	STE: Encoder stepper motor	lead screw	
		Single side 7mm	standard type		Without	X: Lead screw stepper motor	TB:	
					reduction type	STB: Brake stepper motor	Synchronous wheel	
						SV: Low-voltage servo motor	belt drive	
						GSV: Coreless servo motor	None	

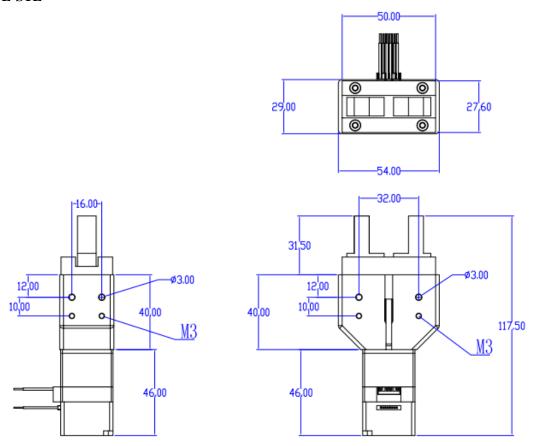
**■** Electric sliding table specifications

Motor		20 encoder step
Stroke	mm	10mm
Lead	mm	1mm
Maximum speed	mm/s	30mm/s
Maximum load	Kg	1Kg
Repeated accuracy	mm	±0.05mm
Rated voltage	V DC	24V DC
Peak current	A	1.0A
Applicable controller		Adapted IO/pulse direction & communication E-CAT/M-B
Service environment		0~40°C, below 85% RH
Protection grade		IP40

• When not powered on, it will lose the holding force and cannot maintain the vertical loads and external forces. When using vertical drive, please choose the products with electromagnetic brake.

### ■ Outline Drawing (unit: mm)

### ●DG2-07L-STE



Electric sliding table KF28D KF35D KF42D DRSZ Optional accessorie

Electric cylinder G20Z M282

## **DG2-15L-1ST**

## DC power input

■ Reading method of trade name

- Reading method of trade name							
Model	Customer	Effective	Load status	Lead	Reducer	Power source	Transmission
series	code	stroke					type
DG2		15L		1		ST	
DG2:	A~Z	000L:	S	2:2mm	G:	ST: Open-loop stepper motor	T: Trapezoidal
Electric clamp		Customized stroke	Linear guide	1:1mm	Equipped with	SE: Closed-loop stepper	precision lead
DG3:		04L:	rail type	0: Customized	reduction type	motor	screw
Electric clamp		Single side 4mm	None	lead		SS: Integrated stepper motor	B: Ball grinding
		15L:	Push-pull		None	STE: Encoder stepper motor	lead screw
		Maximum 15mm	standard type		Without	X: Lead screw stepper motor	TB:
					reduction type	STB: Brake stepper motor	Synchronous wheel
						SV: Low-voltage servo motor	belt drive
						GSV: Coreless servo motor	None

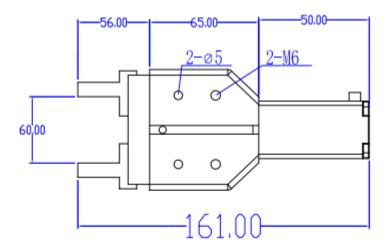
**■** Electric sliding table specifications

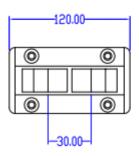
Motor		42 steps
Stroke	mm	30mm
Lead	mm	1mm
Maximum speed	mm/s	30mm/s
Maximum load	Kg	18Kg
Repeated accuracy	mm	±0.05mm
Rated voltage	V DC	24V DC
Peak current	A	2.0A
Applicable controller		Y2SD1R5
Service environment		0~40°C, below 85% RH
Protection grade		IP40

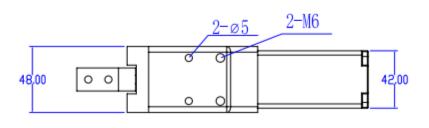
• When not powered on, it will lose the holding force and cannot maintain the vertical loads and external forces. When using vertical drive, please choose the products with electromagnetic brake.

### ■ Outline Drawing (unit: mm)

### •DG2-15L-1ST







# **DG2-90L-1STE** DC power input

■ Reading method of trade name

Model	Customer	Effective	Load status	Lead	Reducer	Power source	Transmission
series	code	stroke					type
DG2		90L		1		STE	
DG2: Electric clamp DG3: Electric clamp	A~Z	000L: Customized stroke 04L: Single side 4mm 15L: Maximum 15mm	S Linear guide rail type None Push-pull standard type	2:2mm 1:1mm 0: Customized lead	G: Equipped with reduction type None Without reduction type	ST: Open-loop stepper motor SE: Closed-loop stepper motor SS: Integrated stepper motor STE: Encoder stepper motor X: Lead screw stepper motor STB: Brake stepper motor SV: Low-voltage servo motor GSV: Coreless servo motor	T: Trapezoidal precision lead screw B: Ball grinding lead screw TB: Synchronous wheel belt drive None

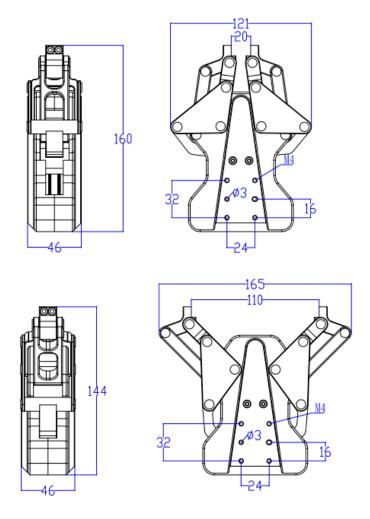
**■** Electric sliding table specifications

Motor		28 encoder steps
Stroke	mm	90mm
Lead	mm	1mm
Maximum speed	mm/s	30mm/s
Maximum load	Kg	1Kg
Repeated accuracy	mm	±0.05mm
Rated voltage	V DC	24V DC
Peak current	A	1.0A
Applicable controller		Adapted IO/pulse direction & communication E-CAT/M-B
Service environment		0~40°C, below 85% RH
Protection grade		IP40

• When not powered on, it will lose the holding force and cannot maintain the vertical loads and external forces. When using vertical drive, please choose the products with electromagnetic brake.

### ■ Outline Drawing (unit: mm)

### •DG2-90L-1STE



Electric sliding table KF28D KF35D KF42D DRSZ Optional

> Electric cylinder G20Z M282

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## DG3-05L-ST DC power input

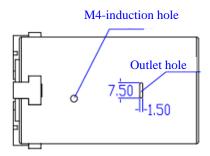
■ Reading method of trade name

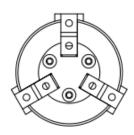
Model	Customer	Effective	Load status	Lead	Reducer	Power source	Transmission
series	code	stroke					type
DG3		05L				ST	
DG2: Electric clamp DG3: Electric clamp	A~Z	000L: Customized stroke 04L: Single side 4mm 05L: Single side 5mm	S Linear guide rail type None Push-pull standard type	2:2mm 1:1mm 0: Customized lead	G: Equipped with reduction type None Without reduction type	ST: Open-loop stepper motor SE: Closed-loop stepper motor SS: Integrated stepper motor STE: Encoder stepper motor X: Lead screw stepper motor STB: Brake stepper motor SV: Low-voltage servo motor GSV: Coreless servo motor	T: Trapezoidal precision lead screw B: Ball grinding lead screw TB: Synchronous wheel belt drive None

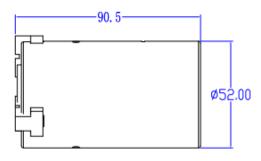
**■** Electric sliding table specifications

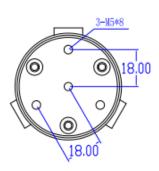
Motor		28 steps
Stroke	mm	10mm
Lead	mm	1mm
Maximum speed	mm/s	30mm/s
Maximum load	Kg	1Kg
Repeated accuracy	mm	±0.05mm
Rated voltage	V DC	24V DC
Peak current	A	1.0A
Applicable controller		Y2SD1R5
Service environment		0~40°C, below 85% RH
Protection grade		IP40

- When not powered on, it will lose the holding force and cannot maintain the vertical loads and external forces. When using vertical drive, please choose the products with electromagnetic brake.
- Outline Drawing (unit: mm)
- •DG3-05L-ST









## DG3-05L-STE DC power input

■ Reading method of trade name

	Treating metriou of trace name							
Model	Customer	Effective	Load status	Lead	Reducer	Power source	Transmission	
series	code	stroke					type	
DG3		05L				STE		
DG2: Electric clamp DG3: Electric clamp	A~Z	000L: Customized stroke 04L: Single side 4mm 05L: Single side 5mm	S Linear guide rail type None Push-pull standard type	2:2mm 1:1mm 0: Customized lead	G: Equipped with reduction type None Without reduction type	ST: Open-loop stepper motor SE: Closed-loop stepper motor SS: Integrated stepper motor STE: Encoder stepper motor X: Lead screw stepper motor STB: Brake stepper motor SV: Low-voltage servo motor	T: Trapezoidal precision lead screw B: Ball grinding lead screw TB: Synchronous wheel	
					,,	GSV: Coreless servo motor	belt drive None	

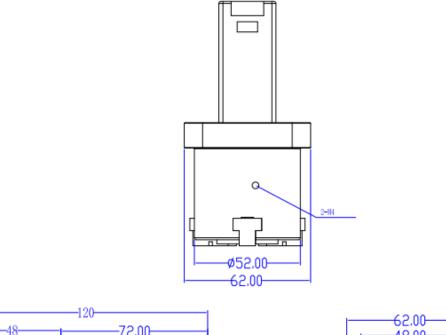
**■** Electric sliding table specifications

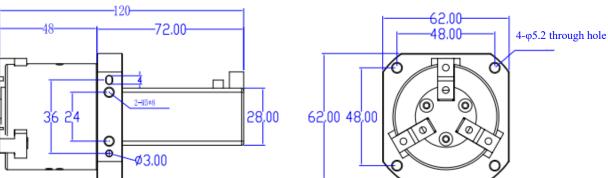
Motor		28 encoder steps
Stroke	mm	10mm
Lead	mm	1mm
Maximum speed	mm/s	30mm/s
Maximum load	Kg	1Kg
Repeated accuracy	mm	±0.05mm
Rated voltage	V DC	24V DC
Peak current	A	1.0A
Applicable controller		Y2SD1R5
Service environment		0~40°C, below 85% RH
Protection grade		IP40

• When not powered on, it will lose the holding force and cannot maintain the vertical loads and external forces. When using vertical drive, please choose the products with electromagnetic brake.

### ■ Outline Drawing (unit: mm)

### •DG3-05L-STE





Electric sliding table KF28D KF35D KF42D DRSZ

> Electric cylinder G20Z M282

Optional accessori







WeChat QR code

Official website QR code

Douyin QR code

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National Technical Service Hotline: 400-960-1069