

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

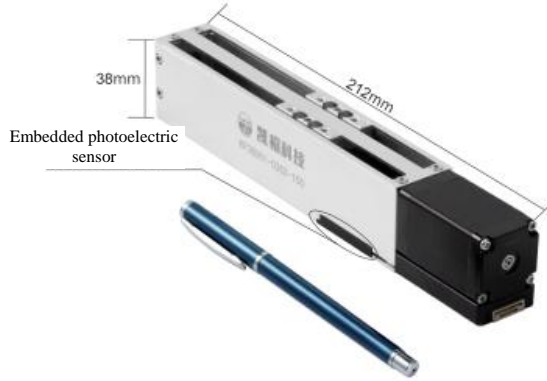
The repeated positioning accuracy of the sliding table is $\pm 0.005\text{mm}$, surpassing $\pm 0.05\sim 0.1\text{mm}$ accuracy of the peers.



Positioning accuracy $\pm 0.005\text{mm}$

II. Small size

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



Electric sliding table
KF28D
KF35D
KF42D
DRSZ
Optional accessories

Electric cylinder
G20Z
M282

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 motor
- 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		5.2Ω
8	Inductance	mH	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 °, 0.9 °, 1.2 °, 0.72 °, 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.

⑧ Inductance

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

⑨ 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

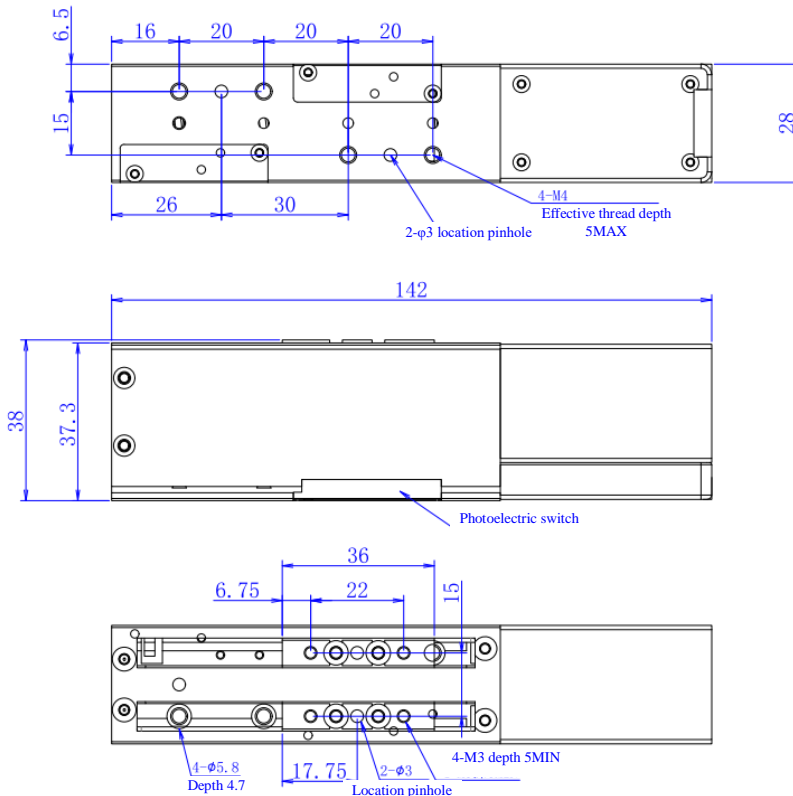
■ Electric sliding table specifications

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	mH	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 accuracy	mm	±0.05mm
Weight	g	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.

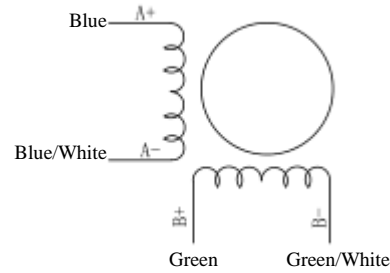
■ Outline Drawing (unit: mm)

● KF28D51-02GZ-30 linear type



● Optional wire KFGH10-30.

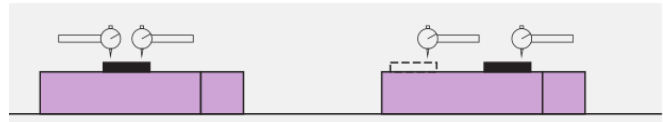
■ Wiring Diagram



■ 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 $\leq 0.02\text{mm}$



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

Electric sliding table
KF28D
KF35D
KF42D
DRSZ
Optional accessories

Electric cylinder
G20Z
M282

Electric clamp
DG2
DG3

KF28D51-02GZ-50 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

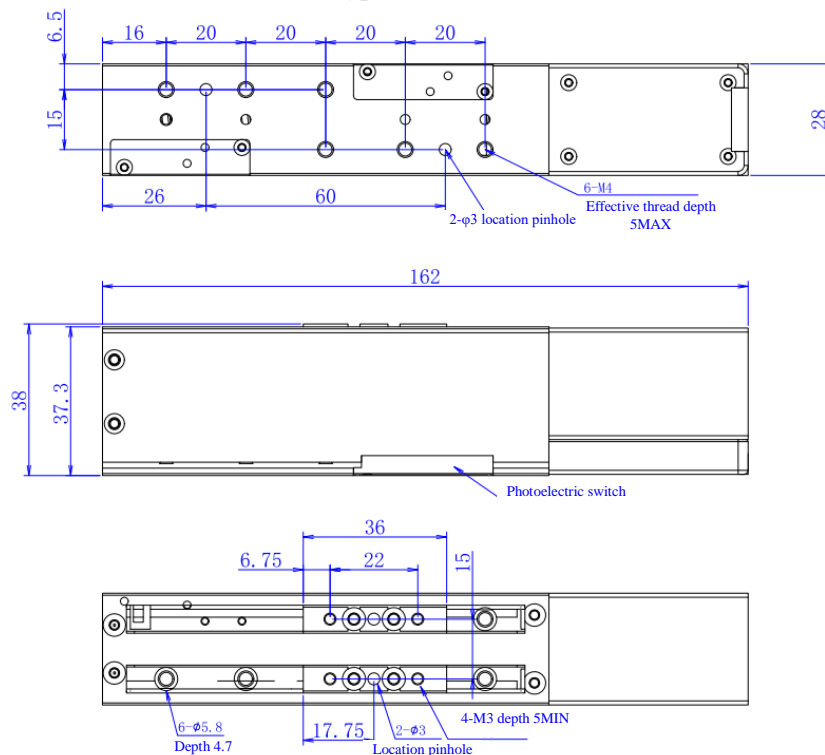
■ Electric sliding table specifications

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	mH 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 accuracy	mm ±0.005mm
Weight	g About 600g
Step length	mm 0.01mm

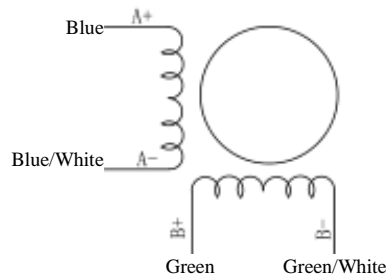
● When not powered on, it will lose the holding force and cannot maintain the vertical loads and external forces. When using vertical drive, please choose the products with electromagnetic brake.

■ Outline Drawing (unit: mm)

● KF28D51-02GZ-50 linear type

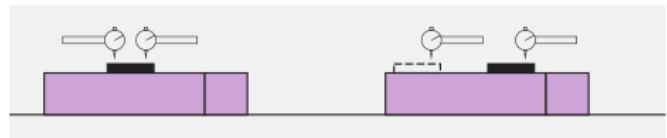


■ Wiring Diagram



■ 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 $\leq 0.02\text{mm}$.



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.

KF28D51-02GZ-100

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

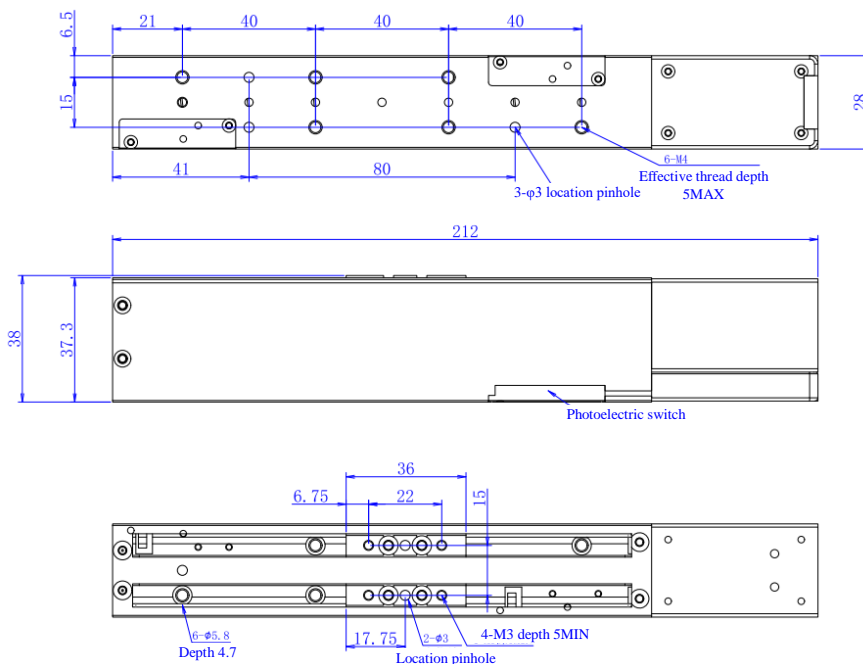
■ Electric sliding table specifications

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	mH 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 accuracy	mm ±0.005mm
Weight	g About 800g
Step length	mm 0.01mm

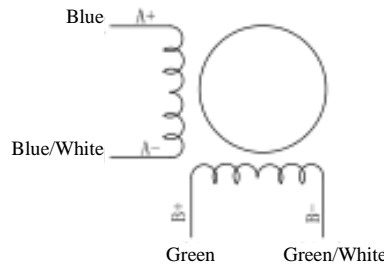
● When not powered on, it will lose the holding force and cannot maintain the vertical loads and external forces. When using vertical drive, please choose the products with electromagnetic brake.

■ Outline Drawing (unit: mm)

● KF28D51-02GZ-100 linear type



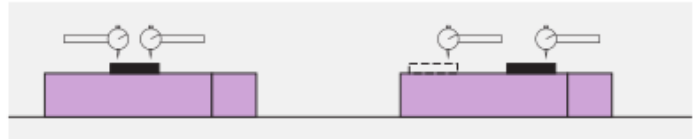
■ Wiring Diagram



■ 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 $\leq 0.02\text{mm}$



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.

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

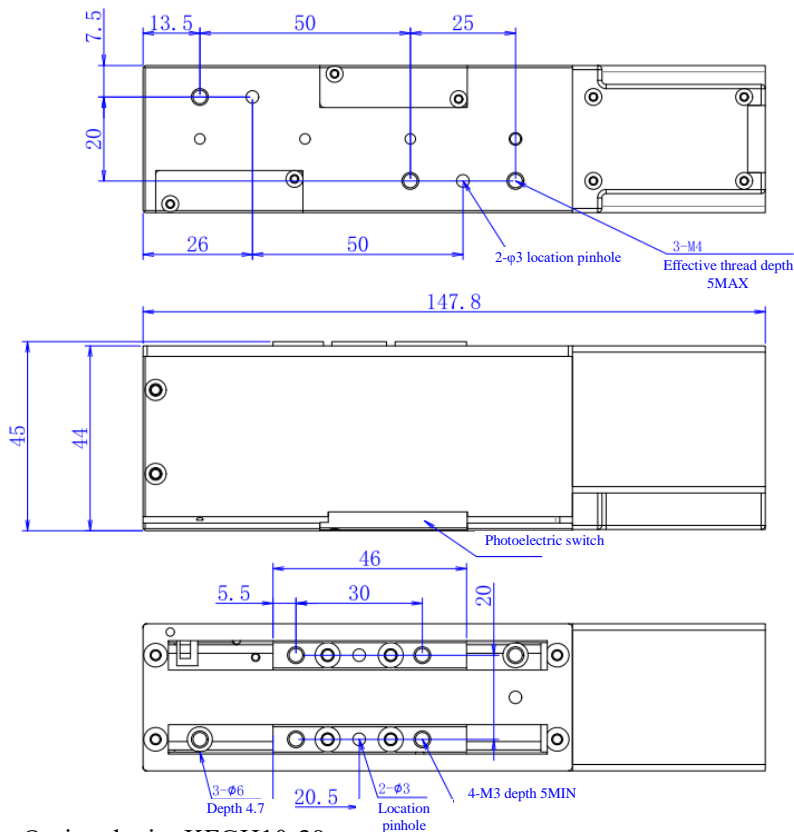
■ Electric sliding table specifications

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	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 accuracy	mm ±0.005mm
Weight	g About 700g
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.

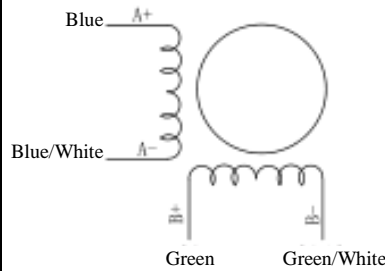
■ Outline Drawing (unit: mm)

● KF35D46-02GZ-30 linear type



● Optional wire KFGH10-30.

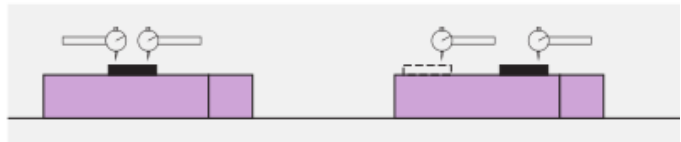
■ Wiring Diagram



■ 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 $\leq 0.02\text{mm}$



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

KF35D46-02GZ-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

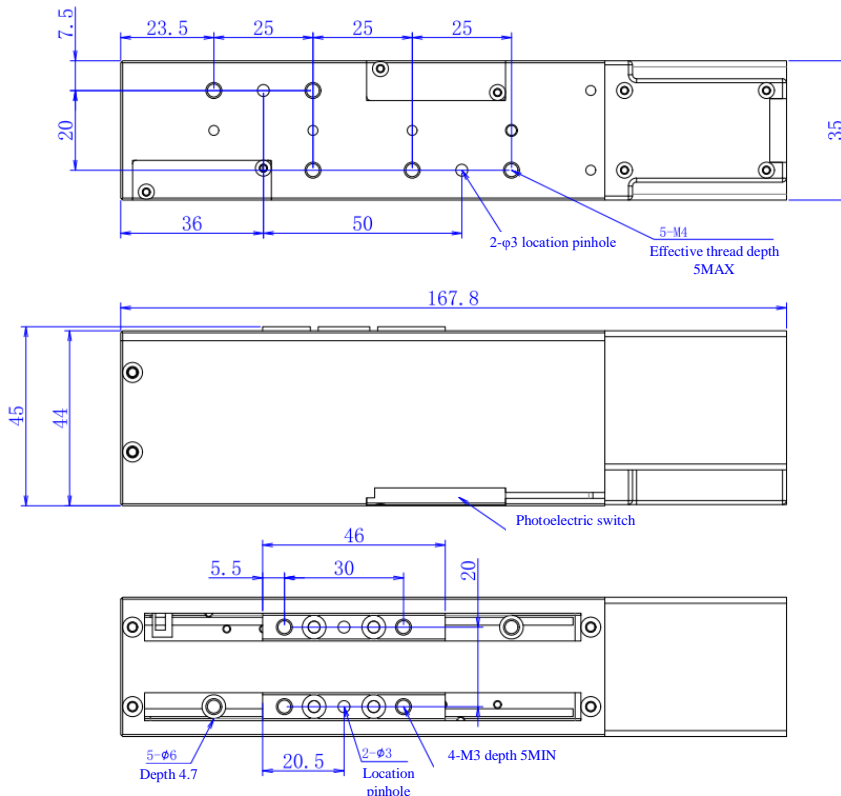
■ Electric sliding table specifications

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	1.6Ω
Inductance	mH 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 accuracy	mm ±0.005mm
Weight	g About 800g
Step length	mm 0.01mm

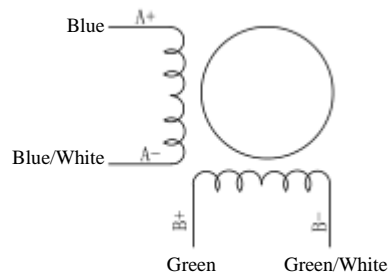
● When not powered on, it will lose the holding force and cannot maintain the vertical loads and external forces. When using vertical drive, please choose the products with electromagnetic brake.

■ Outline Drawing (unit: mm)

● KF35D46-02GZ-50 linear type



■ Wiring Diagram



■ Parallelism detection

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

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

● Optional wire KFGH10-30.

KF35D46-02GZ-100

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	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

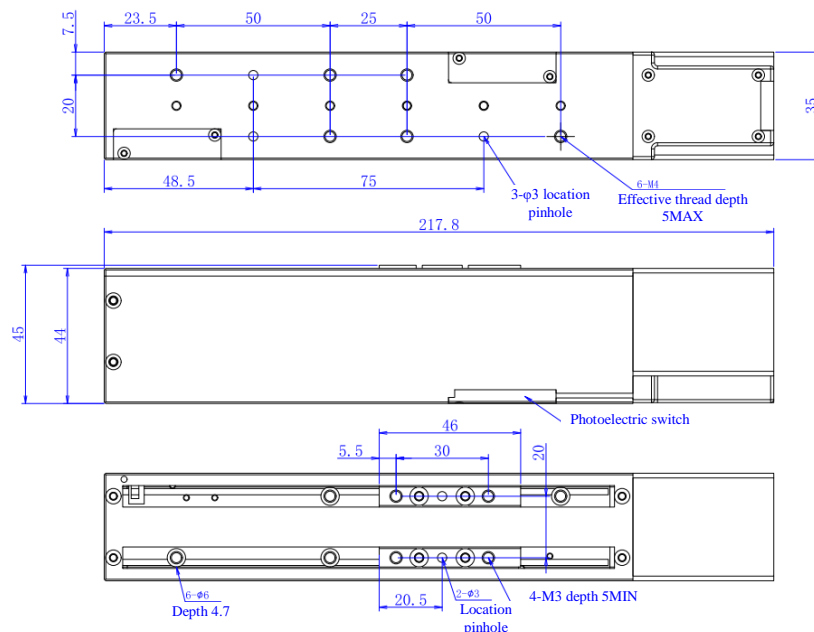
Electric sliding table specifications

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 100mm
Lead	mm 2mm
Lead screw type	Ball screw
Accuracy class	C5
Output thrust	N 60N at 10r/s
Repetitive positioning accuracy	mm ±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.

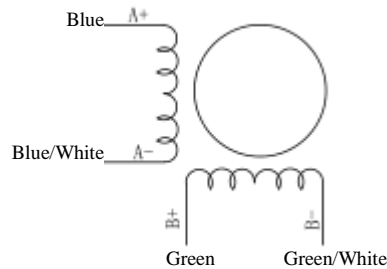
Outline Drawing (unit: mm)

KF35D46-02GZ-100 linear type



- Optional wire KFGH10-30.

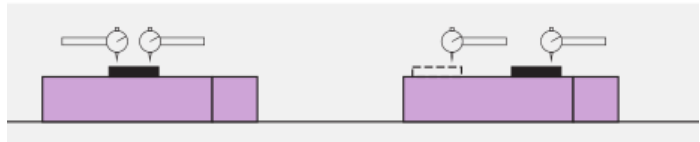
Wiring Diagram



Parallelism detection

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

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



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

■ 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

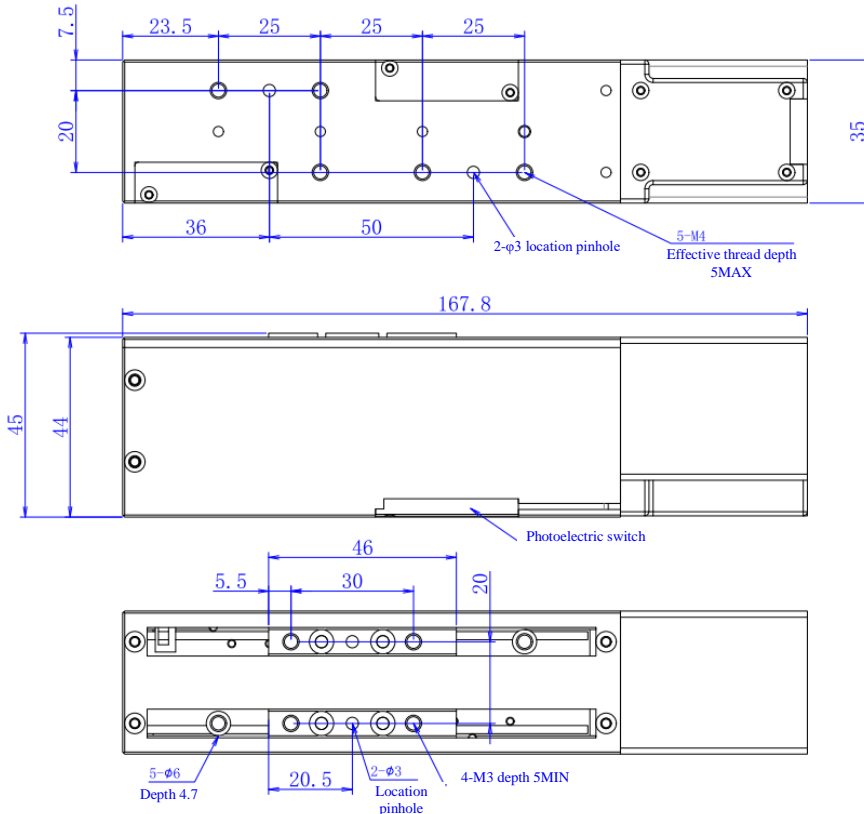
■ Electric sliding table specifications

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	1.6Ω
Inductance	mH 2.3mH
Stroke	mm 50mm
Lead	mm 6mm
Lead screw type	Ball screw
Accuracy class	C5
Output thrust	N 50N at 10r/s
Repetitive positioning accuracy	mm ±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.

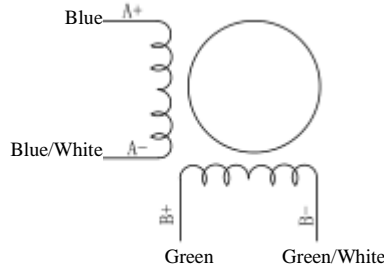
■ Outline Drawing (unit: mm)

● KF35D46-06GZ-50 linear type



● Optional wire KFGH10-30.

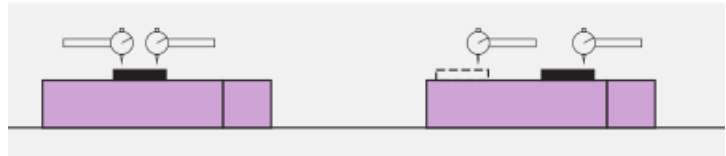
■ Wiring Diagram



■ 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 $\leq 0.02\text{mm}$



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

Electric sliding table
KF28D
KF35D
KF42D
DRSZ
Optional accessories

Electric cylinder
G20Z
M282

Electric clamp
DG2
DG3

KF35D46-06GZ-100

Width 35mm × height 45mm

Linear type DC power input

Reading method of trade name

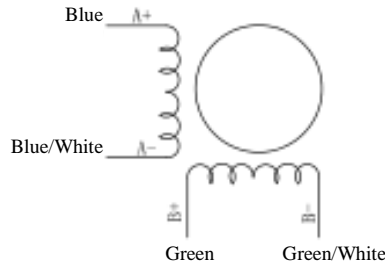
Model series	Motor Flange size	Motor Step angle	Motor thickness	Lead	Lead screw type	Effective stroke	Motor type
KF	35	D	46	06	GZ	100	
KF: KAIFULL	35:35mm	D:1.8°	46:46mm	02:2mm 06:6mm	GZ: Ball screw LC: Trapezoidal screw	50: 50mm 100:100mm 150:150mm	D: The motor with rear shaft E: The motor with closed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

Electric sliding table 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	1.6Ω
Inductance	mH 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 accuracy	mm ±0.005mm
Weight	g About 1000g
Step length	mm 0.03mm

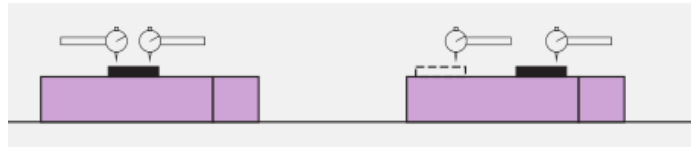
• When not powered on, it will lose the holding force and cannot maintain the vertical loads and external forces. When using vertical drive, please choose the products with electromagnetic brake.

Wiring Diagram



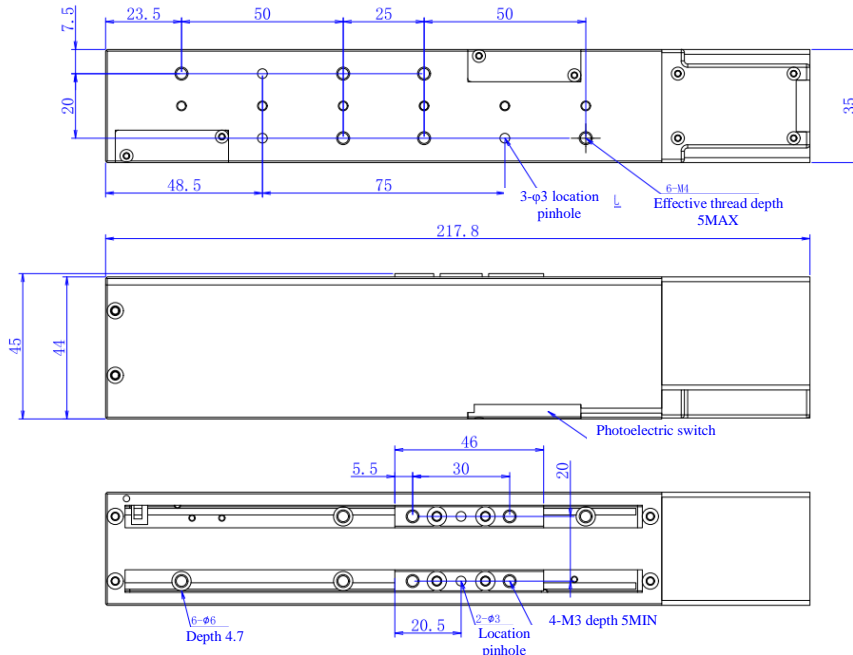
Parallelism detection

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



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

• Optional wire KFGH10-30.

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

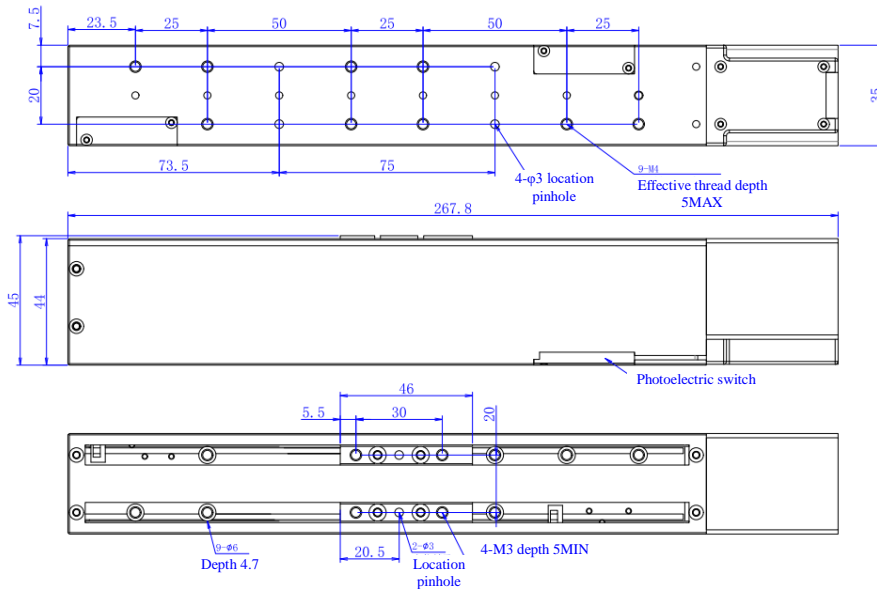
Electric sliding table specifications

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 100mm
Lead	mm 6mm
Lead screw type	Ball screw
Accuracy class	C5
Output thrust	N 50N at 10r/s
Repetitive positioning accuracy	mm ±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.

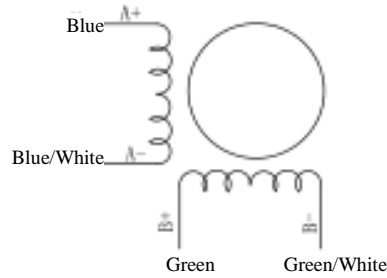
Outline Drawing (unit: mm)

KF35D46-02GZ-100 linear type



• Optional wire KFGH10-30.

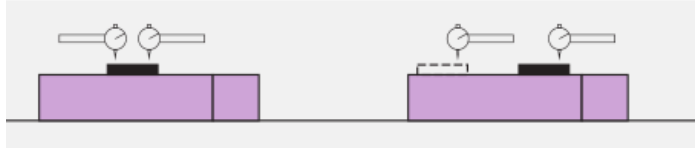
Wiring Diagram



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 $\leq 0.02\text{mm}$



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-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

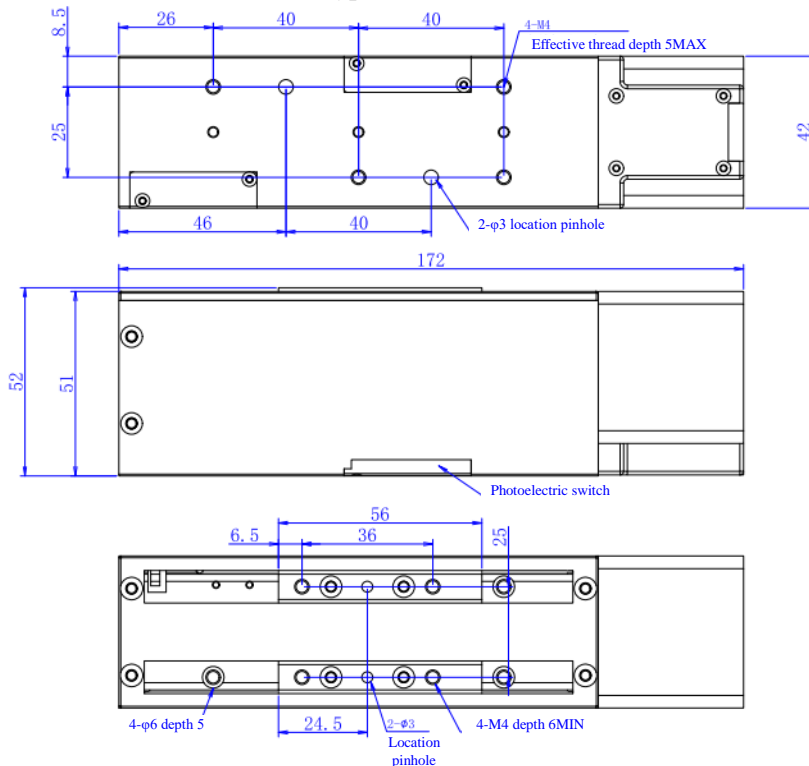
■ Electric sliding table specifications

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	mH	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

● 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.

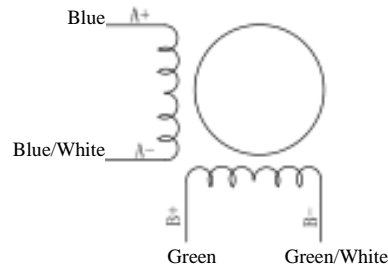
■ Outline Drawing (unit: mm)

● KF42D40-02GZ-50 linear type



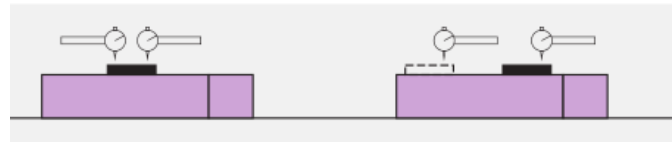
● Optional wire KFGH10-30.

■ Wiring Diagram



■ Parallelism detection

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



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

Electric sliding table
KF28D
KF35D
KF42D
DRSZ
Optional accessories

Electric cylinder
G20Z
M282

Electric clamp
DG2
DG3

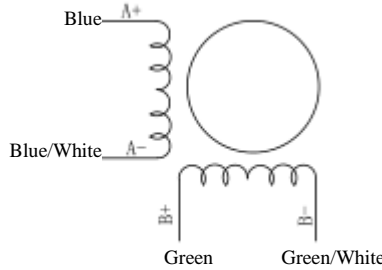
■ Reading method of trade name

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 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	mH 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 accuracy	mm ±0.005mm
Weight	g About 1500g
Step length	mm 0.01mm

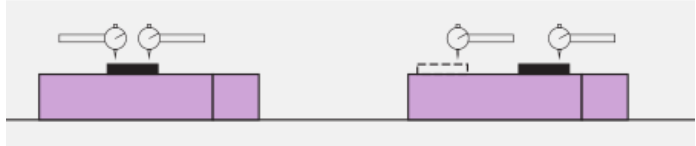
■ Wiring Diagram



■ Parallelism detection

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

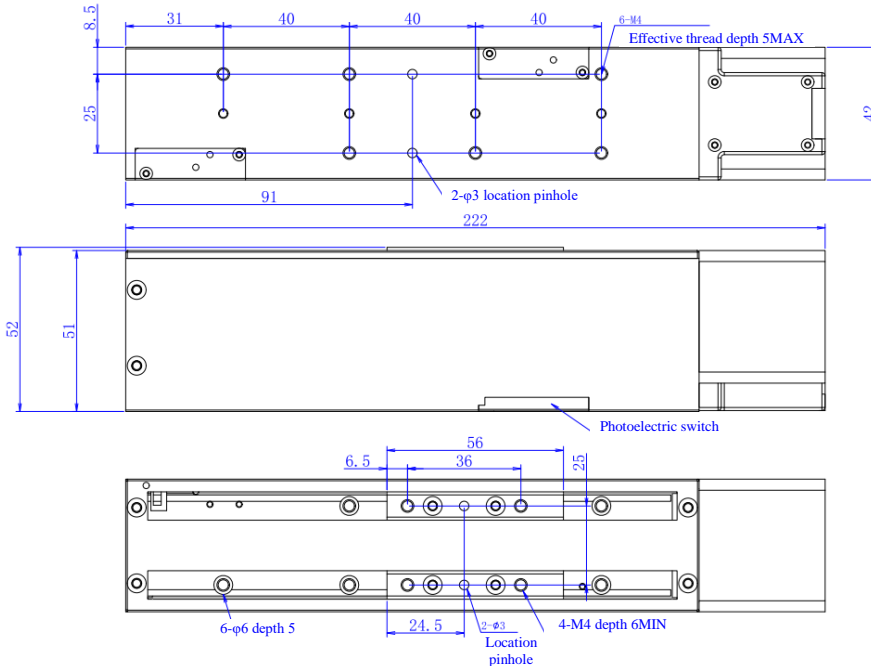
The running parallelism between the installation surface and the base is ≤ 0.02mm



- 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



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.

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

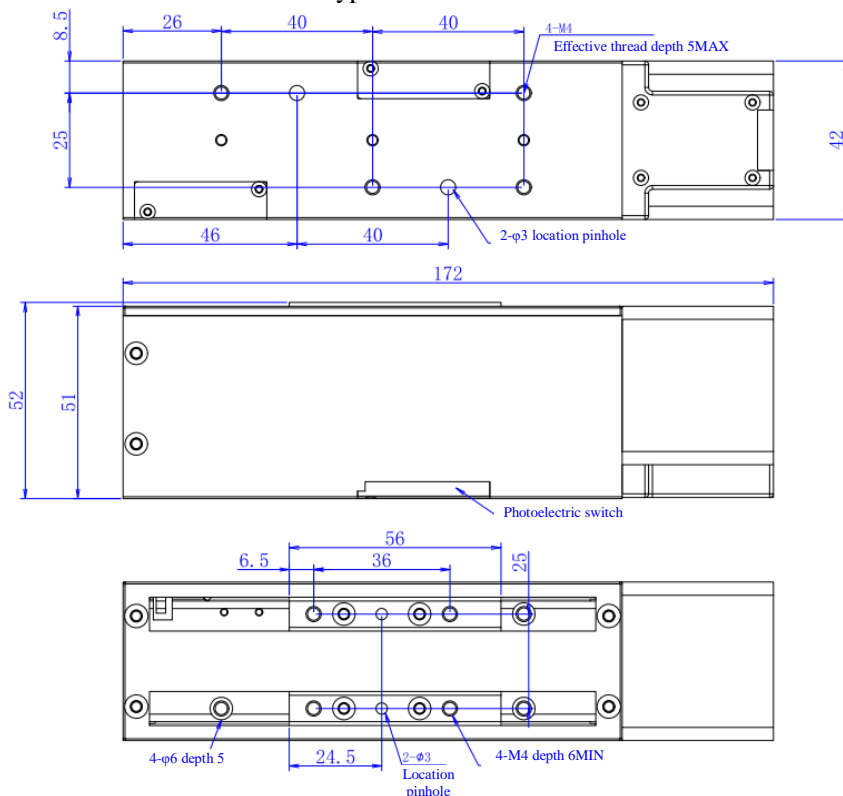
■ Electric sliding table specifications

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	mH	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 accuracy	mm	±0.005mm
Weight	g	About 1000g
Step length	mm	0.025mm

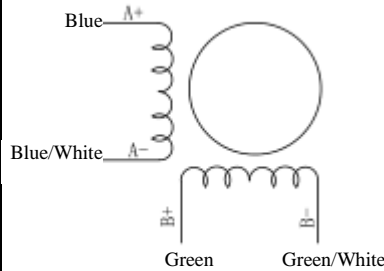
● When not powered on, it will lose the holding force and cannot maintain the vertical loads and external forces. When using vertical drive, please choose the products with electromagnetic brake.

■ Outline Drawing (unit: mm)

● KF42D40-05GZ-50 linear type



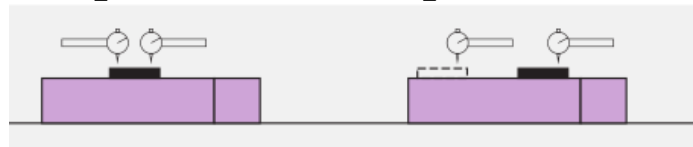
■ Wiring Diagram



■ Parallelism detection

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

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



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.

KF42D40-05GZ-100

Width 42mm × height 52mm

Linear type DC power input

Electric sliding table
KF28D
KF35D
KF42D
DRSZ
Optional accessories

Electric cylinder
G20Z
M282

Electric clamp
DG2
DG3

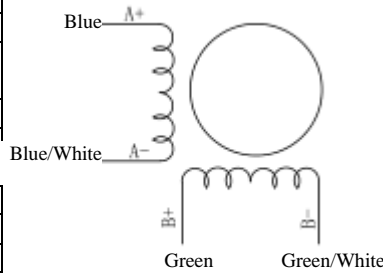
Reading method of trade name

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 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	mH 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 accuracy	mm ±0.005mm
Weight	g About 1500g
Step length	mm 0.025mm

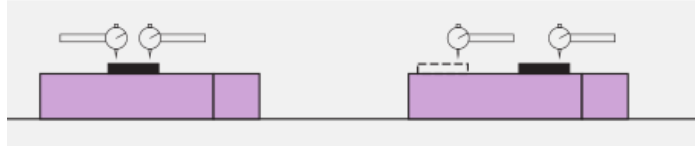
Wiring Diagram



Parallelism detection

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

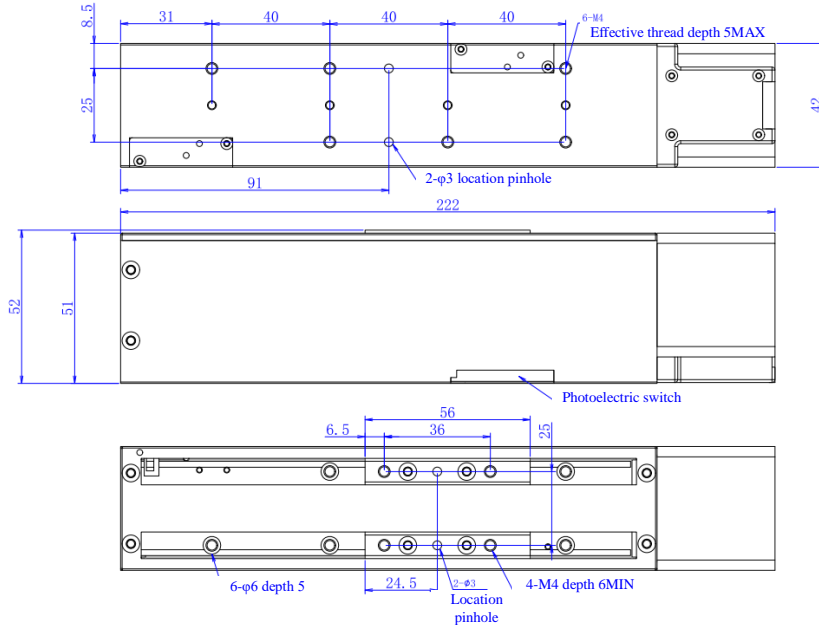
The running parallelism between the installation surface and the base is $\leq 0.02\text{mm}$



• 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)

KF42D40-05GZ-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

• Optional wire KFGH10-30.

KF42D40-05GZ-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	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

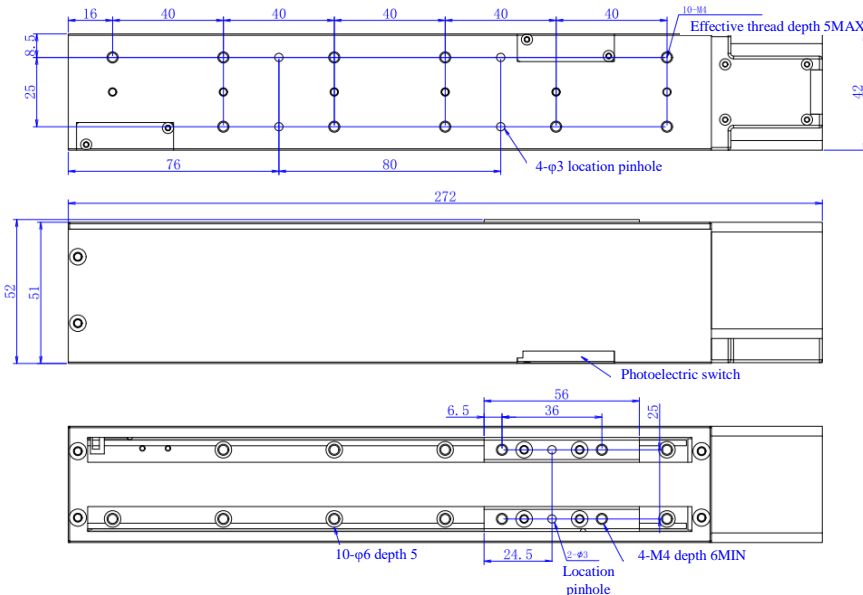
Electric sliding table specifications

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	mH 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 accuracy	mm ±0.005mm
Weight	g About 2000g
Step length	mm 0.025mm

• 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.

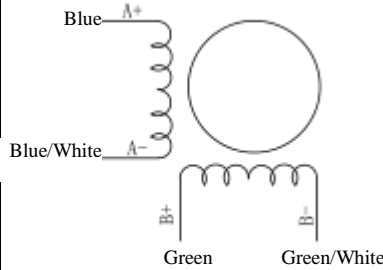
Outline Drawing (unit: mm)

KF42D40-05GZ-150 linear type



• Optional wire KFGH10-30.

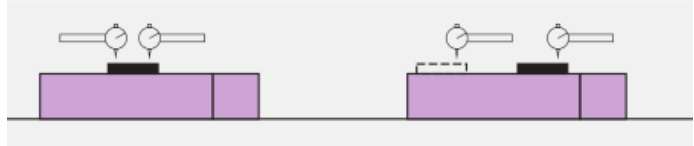
Wiring Diagram



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 $\leq 0.02\text{mm}$



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

KF42D40-10GZ-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	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

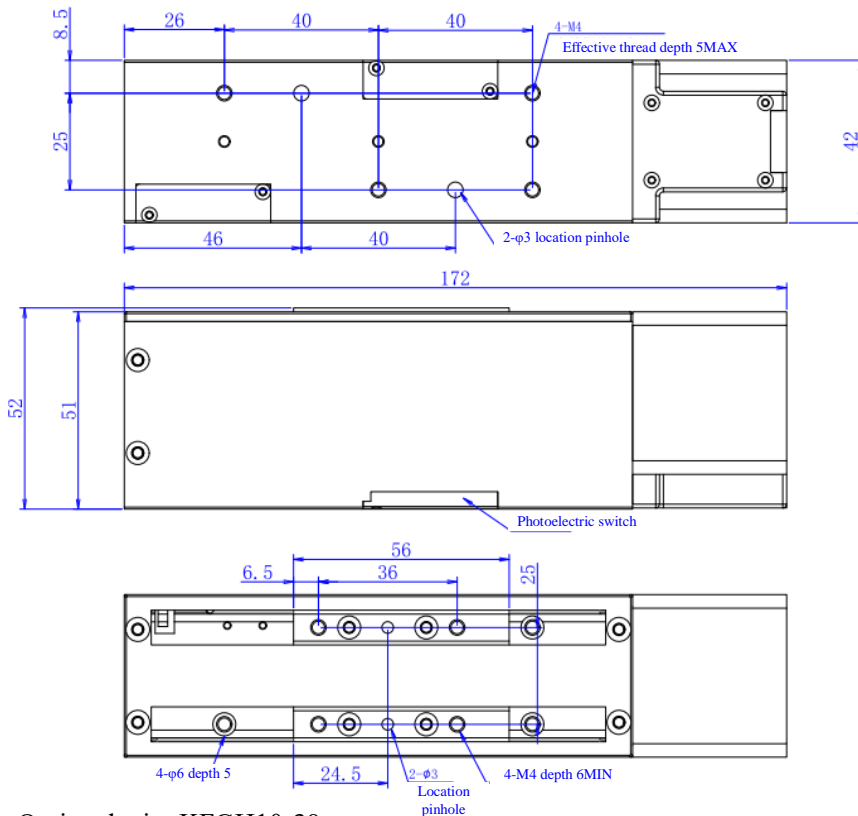
■ Electric sliding table specifications

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	2.2Ω
Inductance	mH 4.6mH
Stroke	mm 50mm
Lead	mm 10mm
Lead screw type	Ball screw
Accuracy class	C5
Output thrust	N 60N at 10r/s
Repetitive positioning accuracy	mm ±0.005mm
Weight	g About 1000g
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.

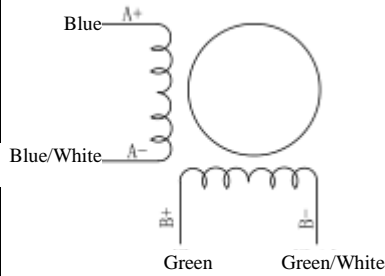
■ Outline Drawing (unit: mm)

● KF42D40-10GZ-50 linear type



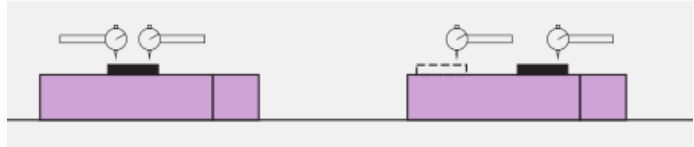
● Optional wire KFGH10-30.

■ 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 $\leq 0.02\text{mm}$
---	---



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

Electric sliding table
KF28D
KF35D
KF42D
DRSZ
Optional accessories

Electric cylinder
G20Z
M282

Electric clamp
DG2
DG3

KF42D40-10GZ-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	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

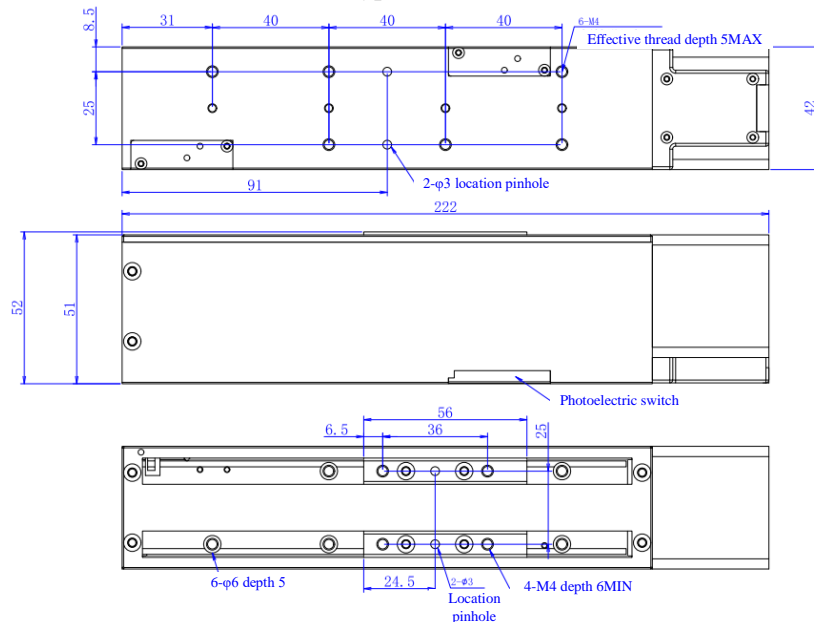
Electric sliding table specifications

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	mH 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 accuracy	mm ±0.005mm
Weight	g About 1500g
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.

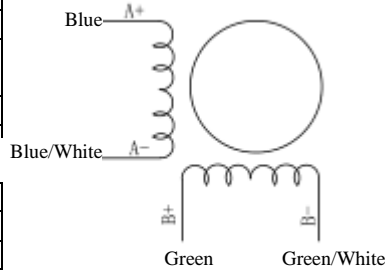
Outline Drawing (unit: mm)

KF42D40-10GZ-100 linear type



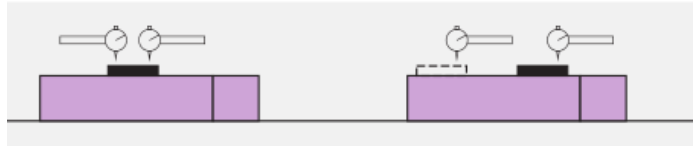
• Optional wire KFGH10-30.

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 $\leq 0.02\text{mm}$.



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

KF42D40-10GZ-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

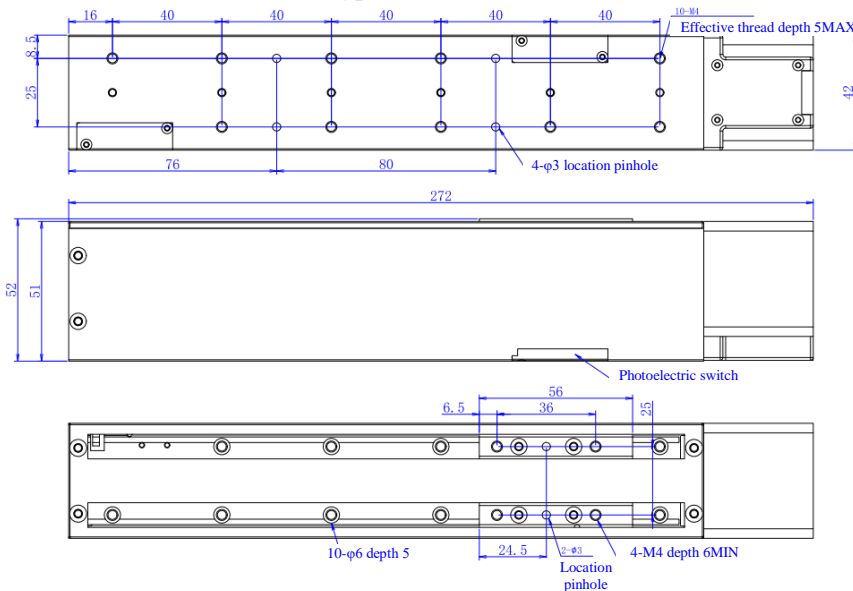
Electric sliding table specifications

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	2.2Ω
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 accuracy	mm ±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.

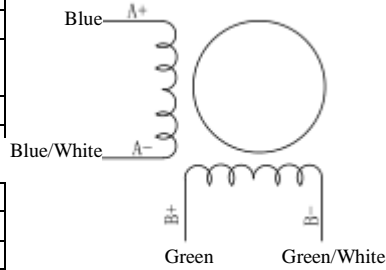
Outline Drawing (unit: mm)

KF42D40-10GZ-150 linear type



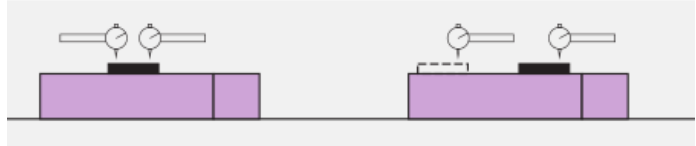
• Optional wire KFGH10-30.

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 $\leq 0.02\text{mm}$.



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

Electric sliding table
KF28D
KF35D
KF42D
DRSZ
Optional accessories

Electric cylinder
G20Z
M282

Electric clamp
DG2
DG3

KF42D40-10GZ-200

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	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

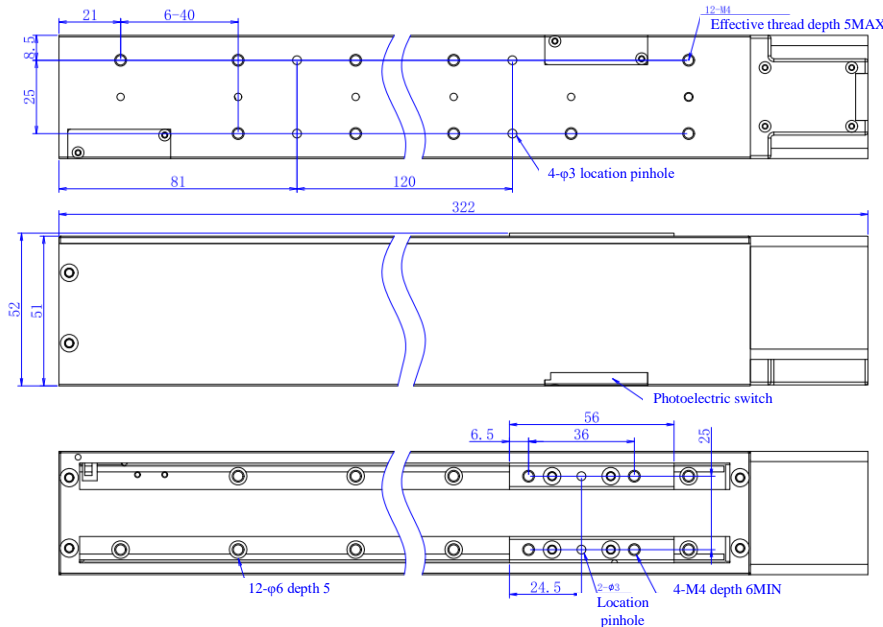
Electric sliding table specifications

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	mH 4.6mH
Stroke	mm 200mm
Lead	mm 10mm
Lead screw type	Ball screw
Accuracy class	C5
Output thrust	N 60N at 10r/s
Repetitive positioning accuracy	mm ±0.005mm
Weight	g About 2500g
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.

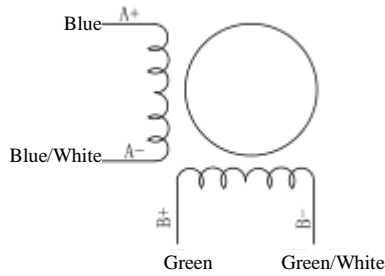
Outline Drawing (unit: mm)

KF42D40-10GZ-200 linear type



• Optional wire KFGH10-30.

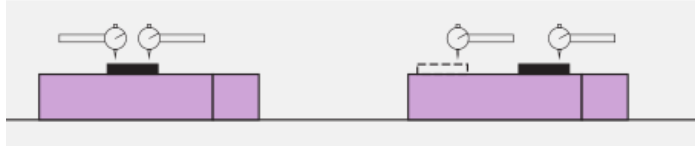
Wiring Diagram



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 $\leq 0.02\text{mm}$



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

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	
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 lead screw B: Ball grinding lead screw TB: Synchronous wheel belt drive None

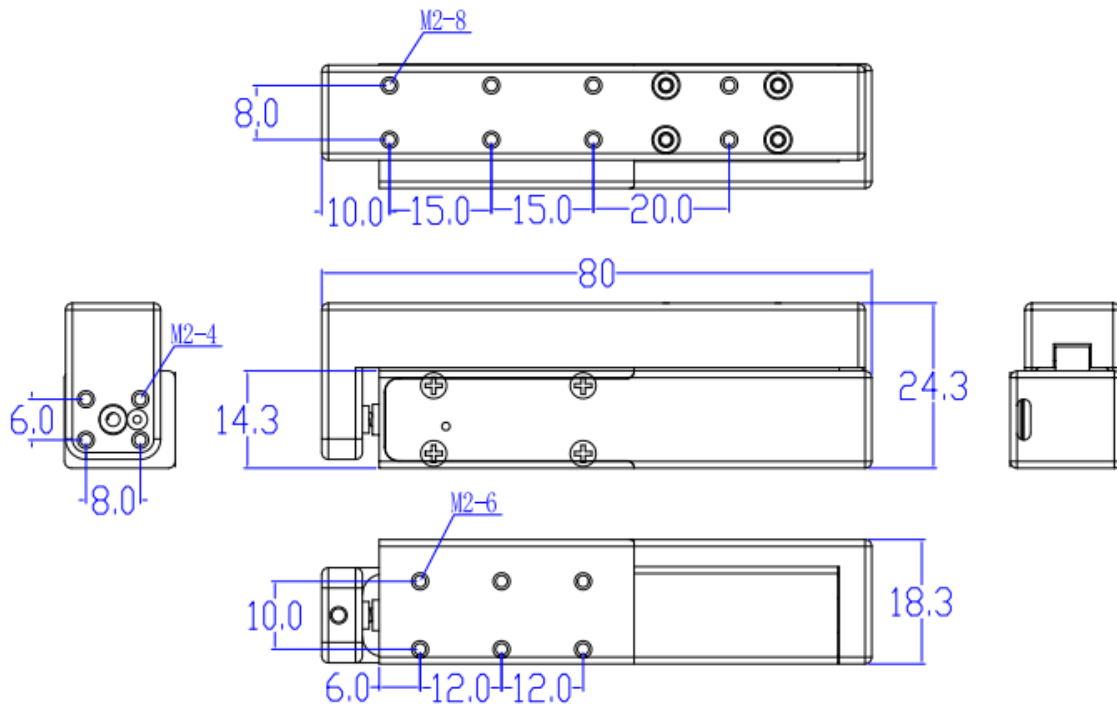
■ Electric sliding table specifications

Motor		14 steps
Stroke	mm	30mm
Screw type		Customized nut/ball bearing
Lead	mm	1.4mm
Maximum speed	mm/s	30mm/s
Maximum vertical load	g	50g
Maximum horizontal load	Kg	150g
Repeated accuracy	mm	±0.02mm
Rated voltage	V DC	24V DC
Peak current	A	0.4A
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-030LS-1.4ST



Electric sliding table
KF28D
KF35D
KF42D
DRSZ
Optional accessories

Electric cylinder
G20Z
M282

Electric clamp
DG2
DG3

DRSZ-040LS-1.4ST Width 24.2mm × 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

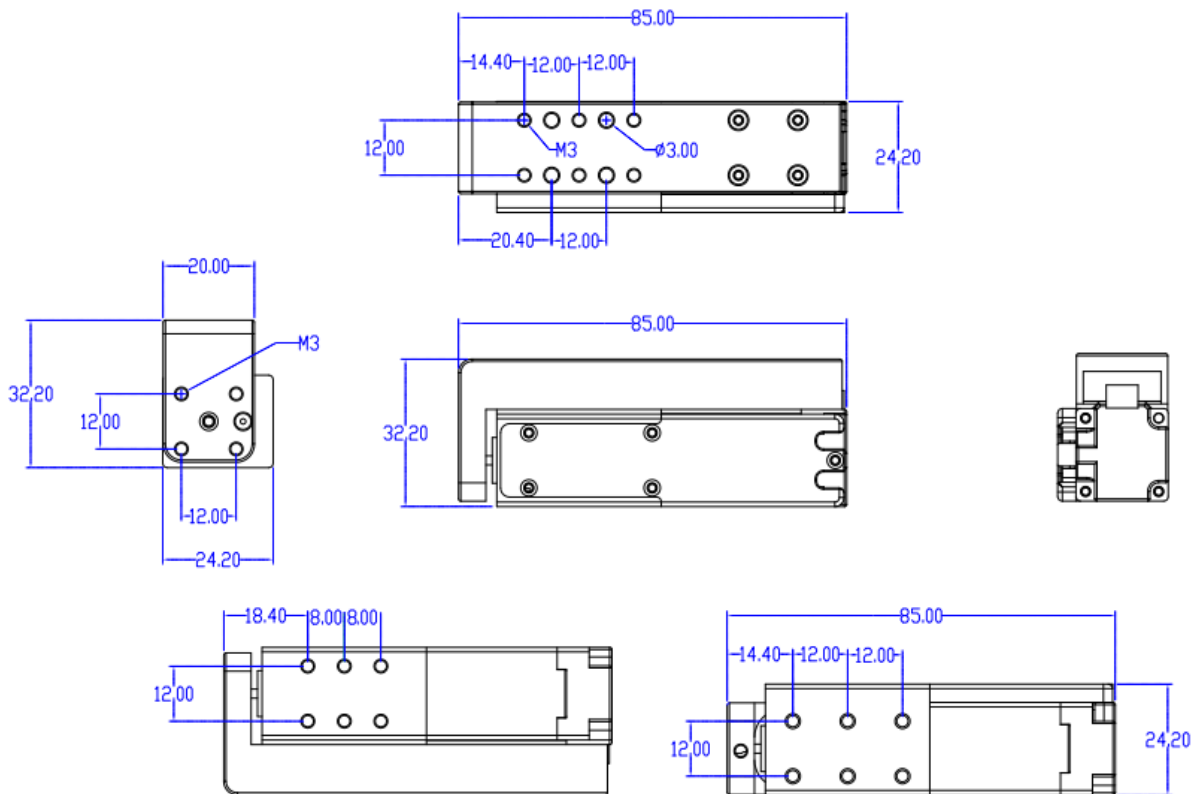
■ Electric sliding table specifications

Motor		20 steps
Stroke	mm	40mm
Screw type		Customized nut/ball bearing
Lead	mm	1.4mm
Maximum speed	mm/s	30mm/s
Maximum vertical load	g	500g
Maximum horizontal load	Kg	2Kg
Repeated accuracy	mm	±0.02mm
Rated voltage	V DC	24V DC
Peak current	A	0.5A
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-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	B
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

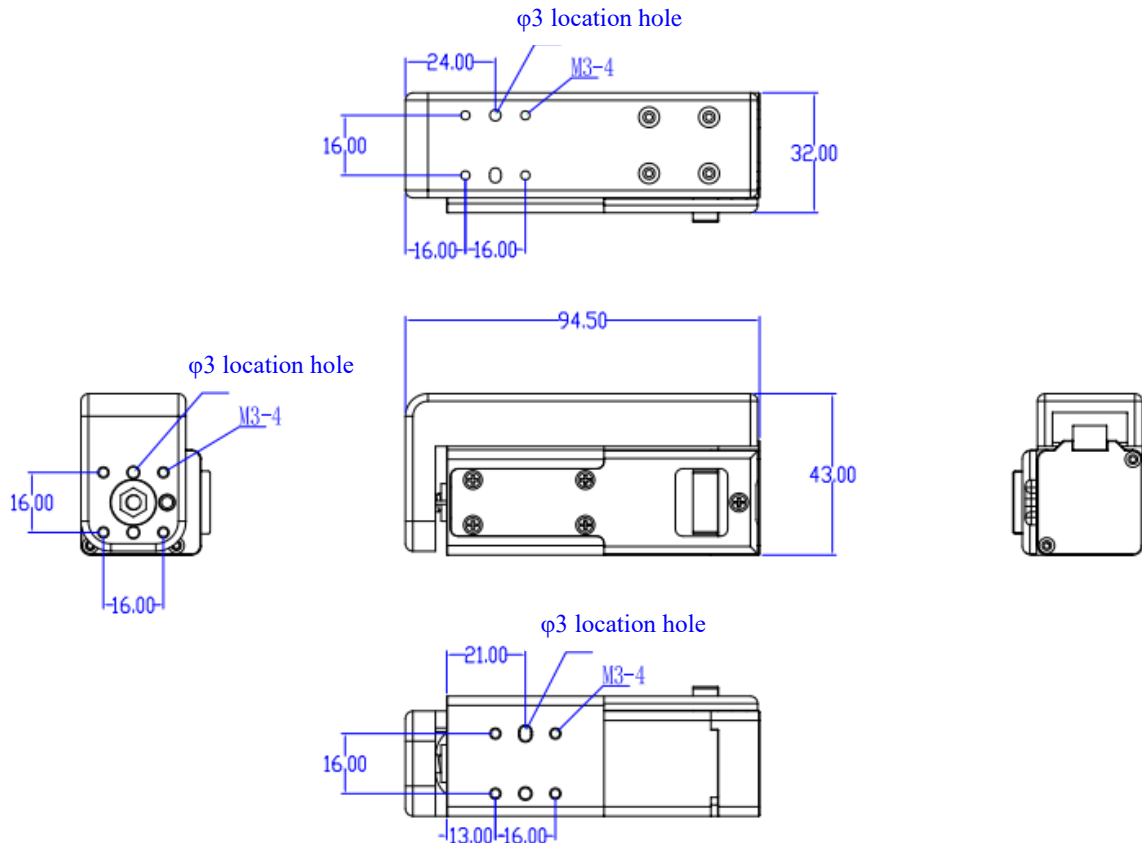
■ Electric sliding table specifications

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 accessories

Electric cylinder
G20Z
M282

Electric clamp
DG2
DG3

DRSZ-060LS-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	060L	S	2		ST	B
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

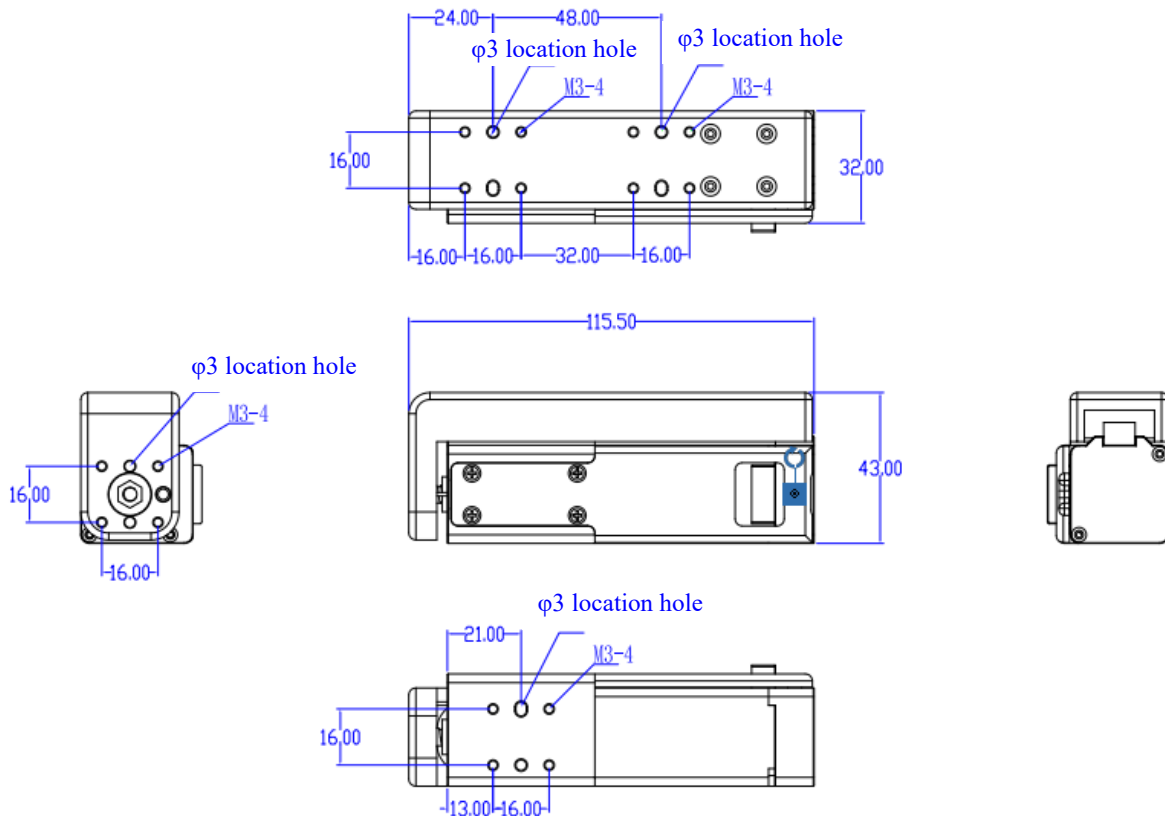
■ Electric sliding table specifications

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

● 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 series	Customer code	Effective stroke	Load status	Lead	Reducer	Power source	Transmission type
DRS:	Z	110L	S	2		ST	B
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

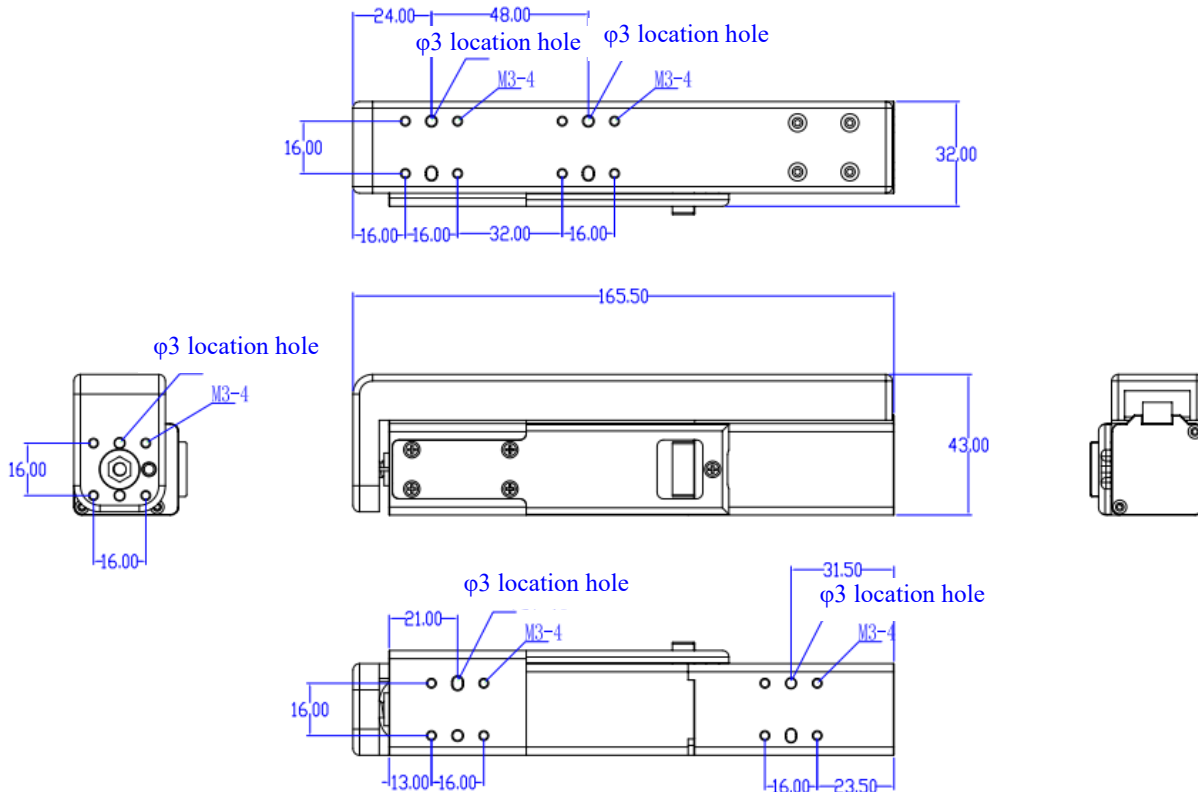
■ Electric sliding table specifications

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 accessories

Electric cylinder
G20Z
M282

Electric clamp
DG2
DG3

DRSZ-050LS-2STEB 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	050L	S	2		SET	B
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

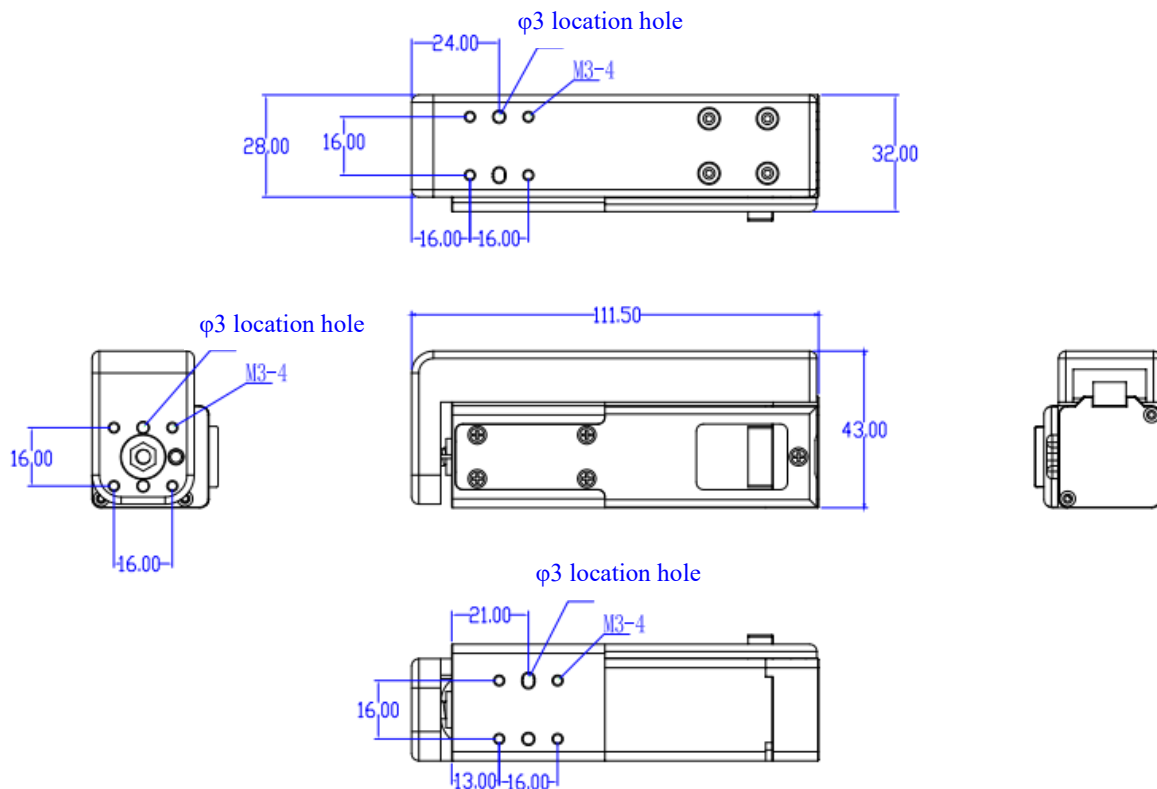
■ Electric sliding table specifications

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

● 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.

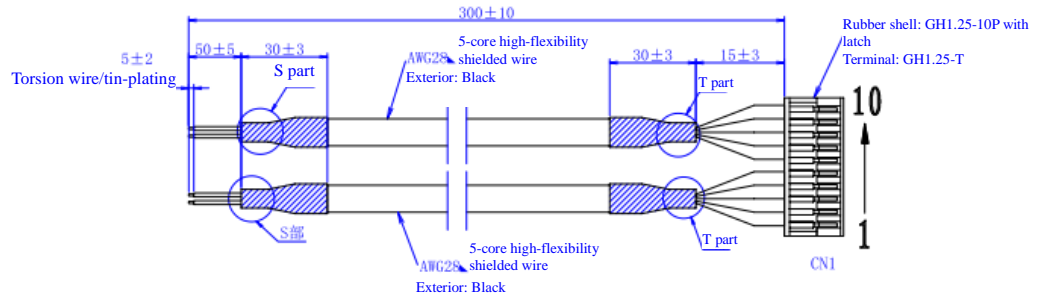
■ Outline Drawing (unit: mm)

● DRSZ-050LS-2STEB



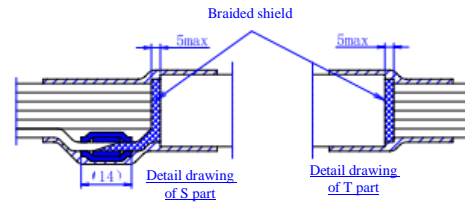
Choose accessories

- 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
KF35D
KF42D
DRSZ
Optional accessories

Electric cylinder
G20Z
M282

Electric clamp
DG2
DG3



Kaifull Electronics Technology
Kaifull Technology

Electric cylinder
Electric clamp

- /Small size, saving space
- /Built-in photoelectric sensor
- /Simple wiring, easy control



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.
- ⑧ 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).
- ⑨ 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

G20Z-050L-2STT Width 20mm × height 20mm 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

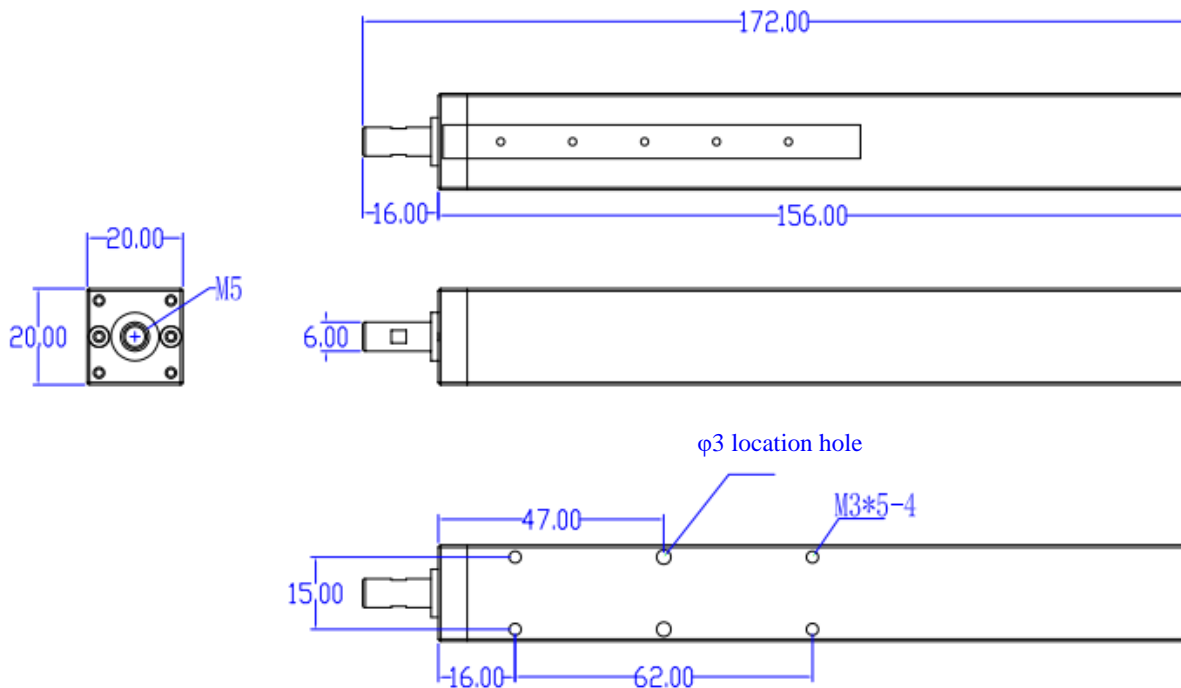
■ Electric sliding table specifications

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

● 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

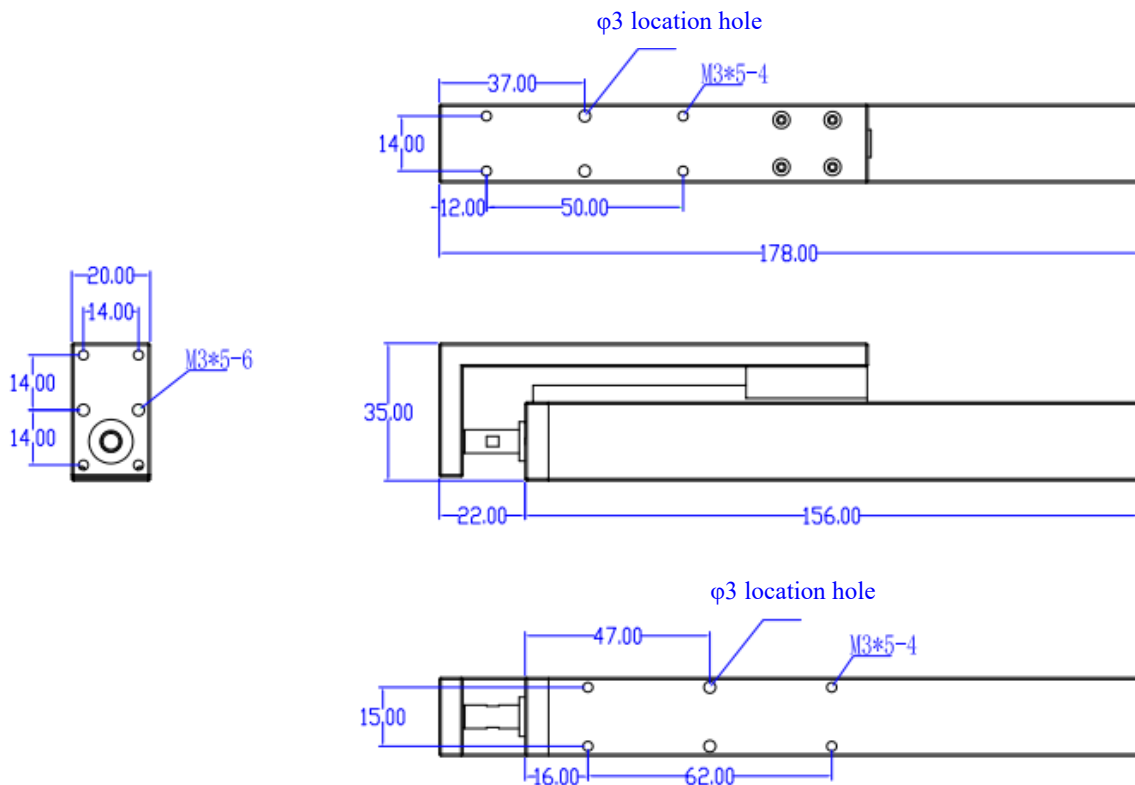
■ Electric sliding table specifications

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



G20Z-080L-2STT Width 20mm × height 20mm 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: 80mm	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

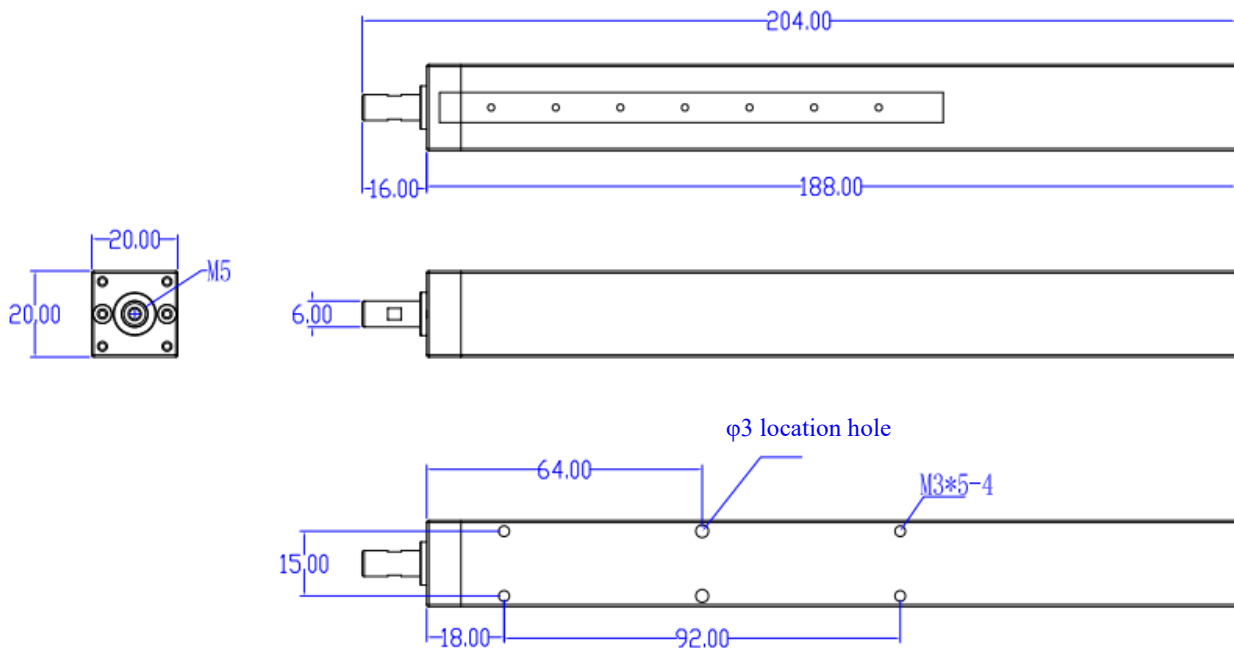
■ Electric sliding table specifications

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-080L-2STT



G20Z-080LS-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	080L	S	2		ST	T
G20: Electric cylinder	A~Z	000L: Customized stroke 020L: 20mm 030L: 30mm 080L: 80mm	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

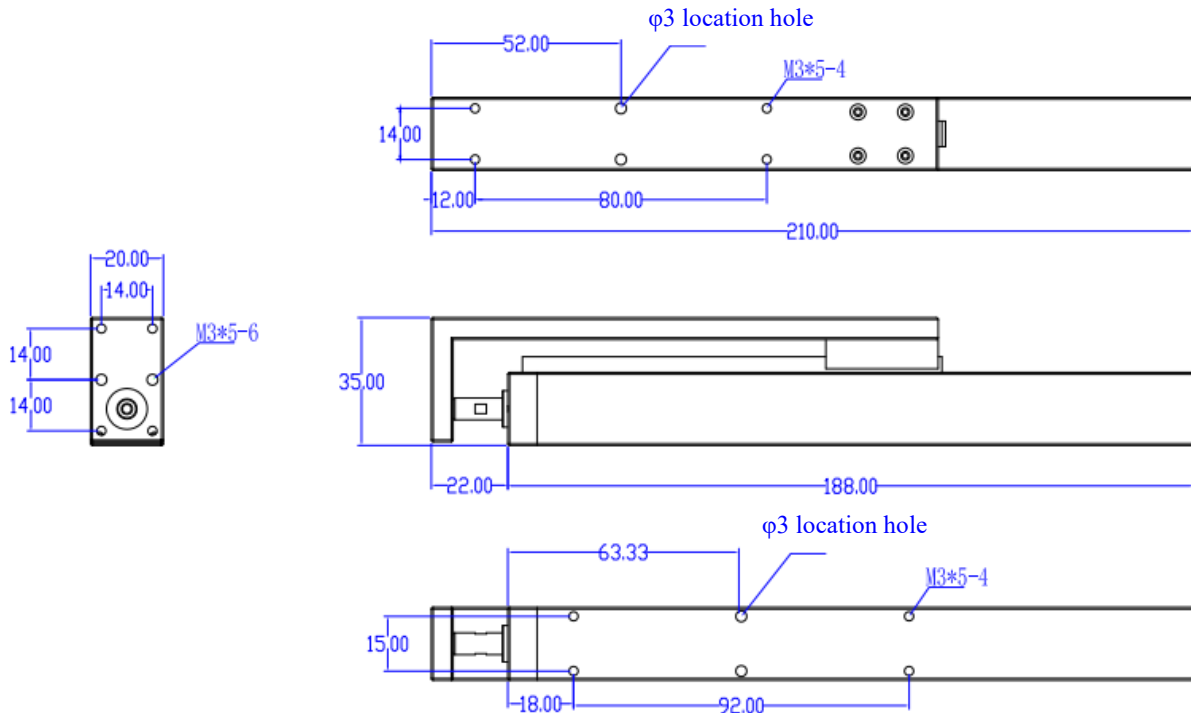
■ Electric sliding table specifications

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

Electric clamp
DG2
DG3

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

■ Reading method of trade name

Model series	Customer code	Effective stroke	Load status	Lead	Reducer	Power source	Transmission 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

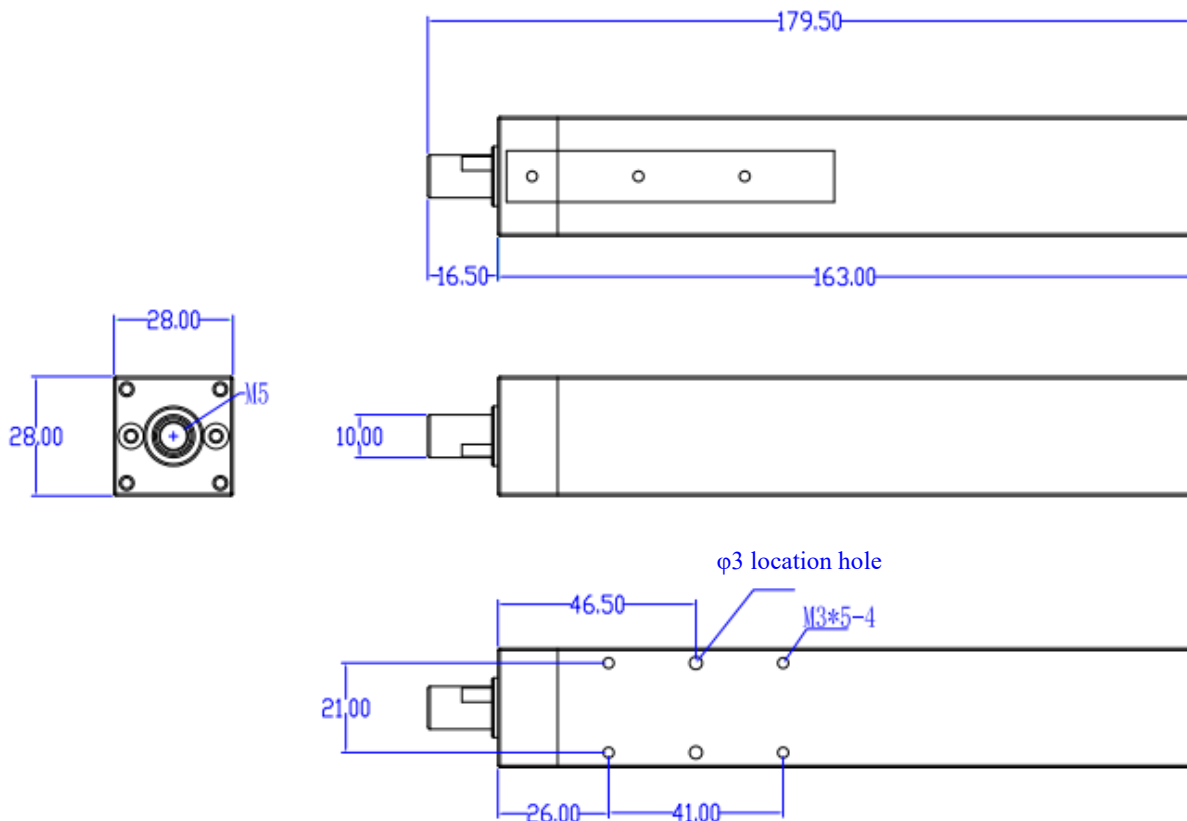
■ Electric sliding table specifications

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 series	Customer code	Effective stroke	Load status	Lead	Reducer	Power source	Transmission 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

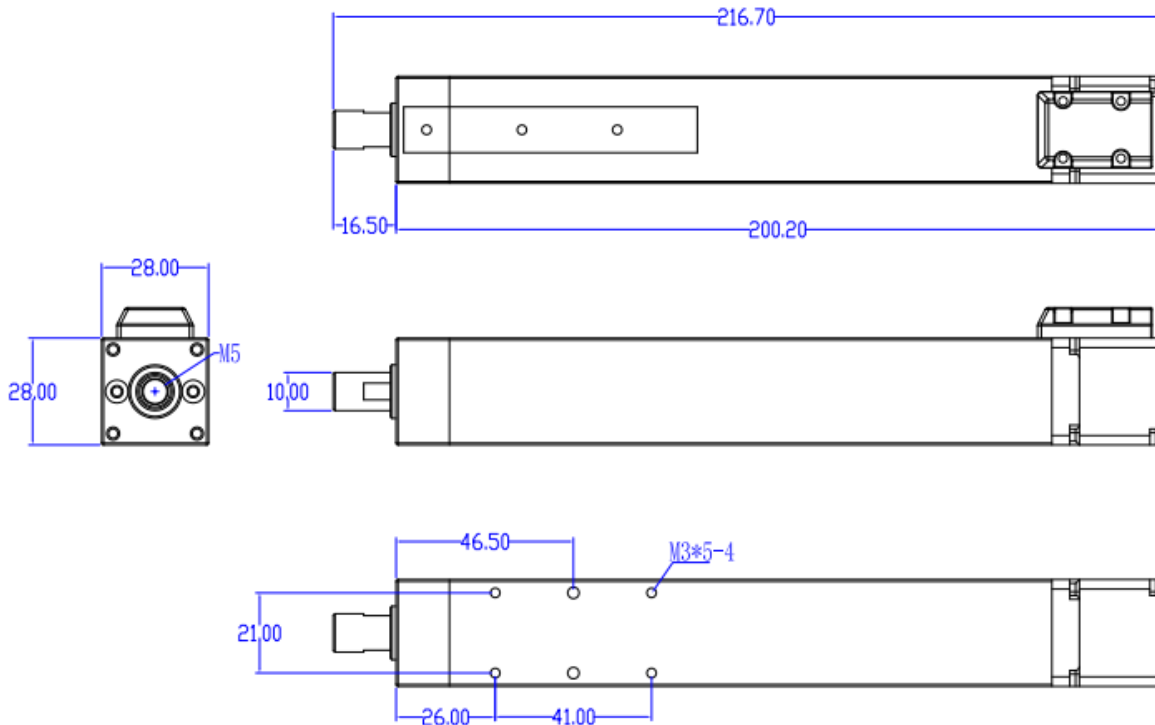
■ Electric sliding table specifications

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

Electric clamp
DG2
DG3

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

■ Reading method of trade name

Model series	Customer code	Effective stroke	Load status	Lead	Reducer	Power source	Transmission type
M28	Z	030L	S	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

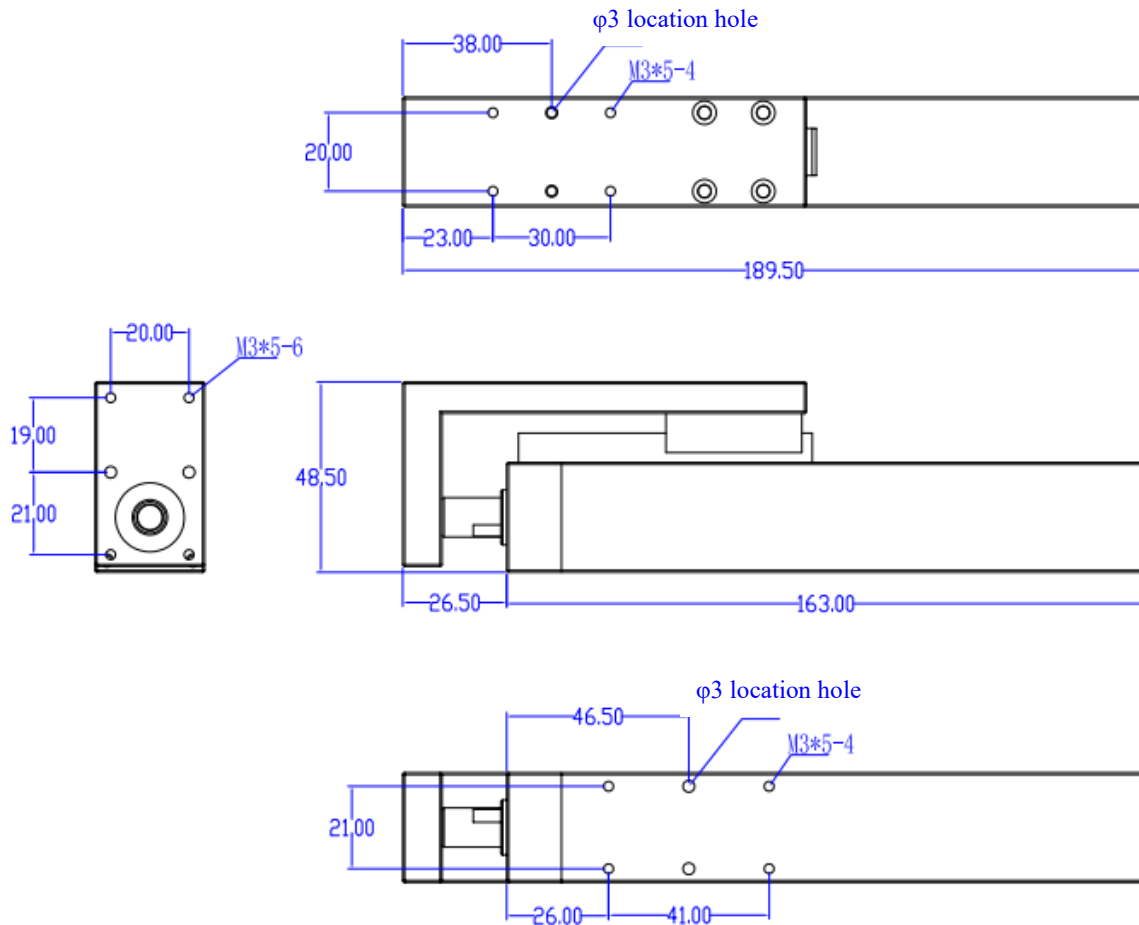
■ Electric sliding table specifications

Motor	28 steps
Stroke	mm
Stroke	30mm
Screw type	Trapezoidal
Lead	mm
Lead	2mm
Maximum speed	mm/s
Maximum speed	30mm/s
Maximum vertical load	Kg
Maximum vertical load	3Kg
Maximum horizontal load	Kg
Maximum horizontal load	6Kg
Repeated accuracy	mm
Repeated accuracy	±0.02mm
Rated voltage	V DC
Rated voltage	24V DC
Peak current	A
Peak current	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-030LS-2STT



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

■ Reading method of trade name

Model series	Customer code	Effective stroke	Load status	Lead	Reducer	Power source	Transmission 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

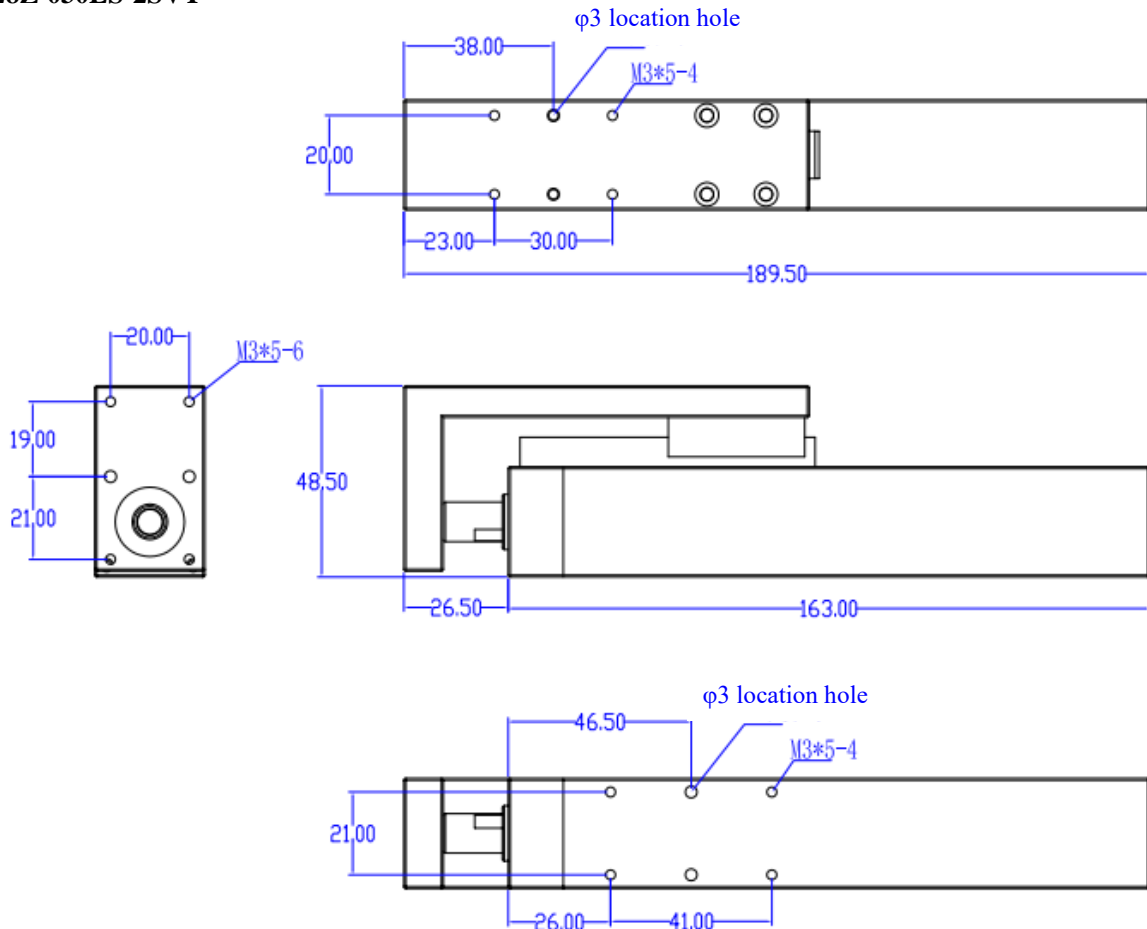
■ Electric sliding table specifications

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 accessories

Electric cylinder
G20Z
M28Z

Electric clamp
DG2
DG3

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

■ Reading method of trade name

Model series	Customer code	Effective stroke	Load status	Lead	Reducer	Power source	Transmission 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

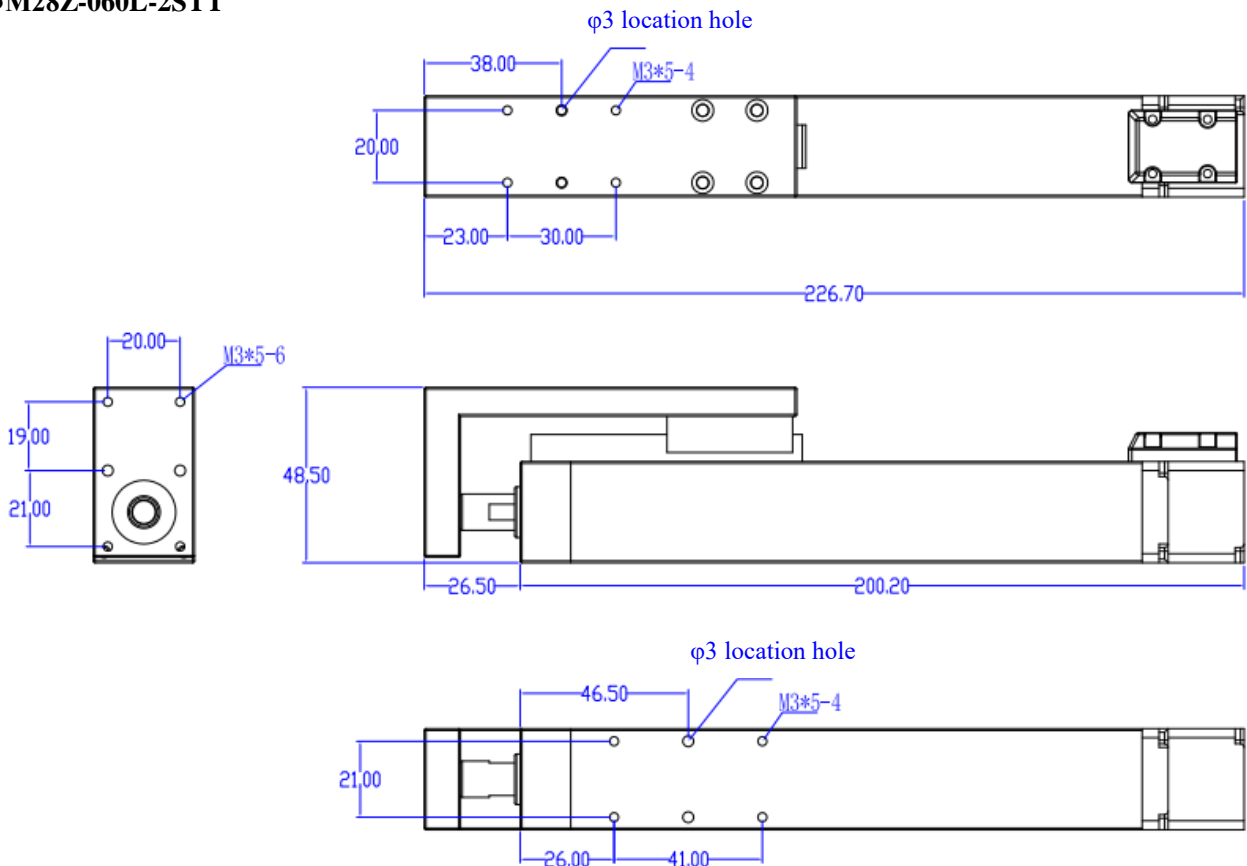
■ Electric sliding table specifications

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-2STT



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

■ Reading method of trade name

Model series	Customer code	Effective stroke	Load status	Lead	Reducer	Power source	Transmission 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

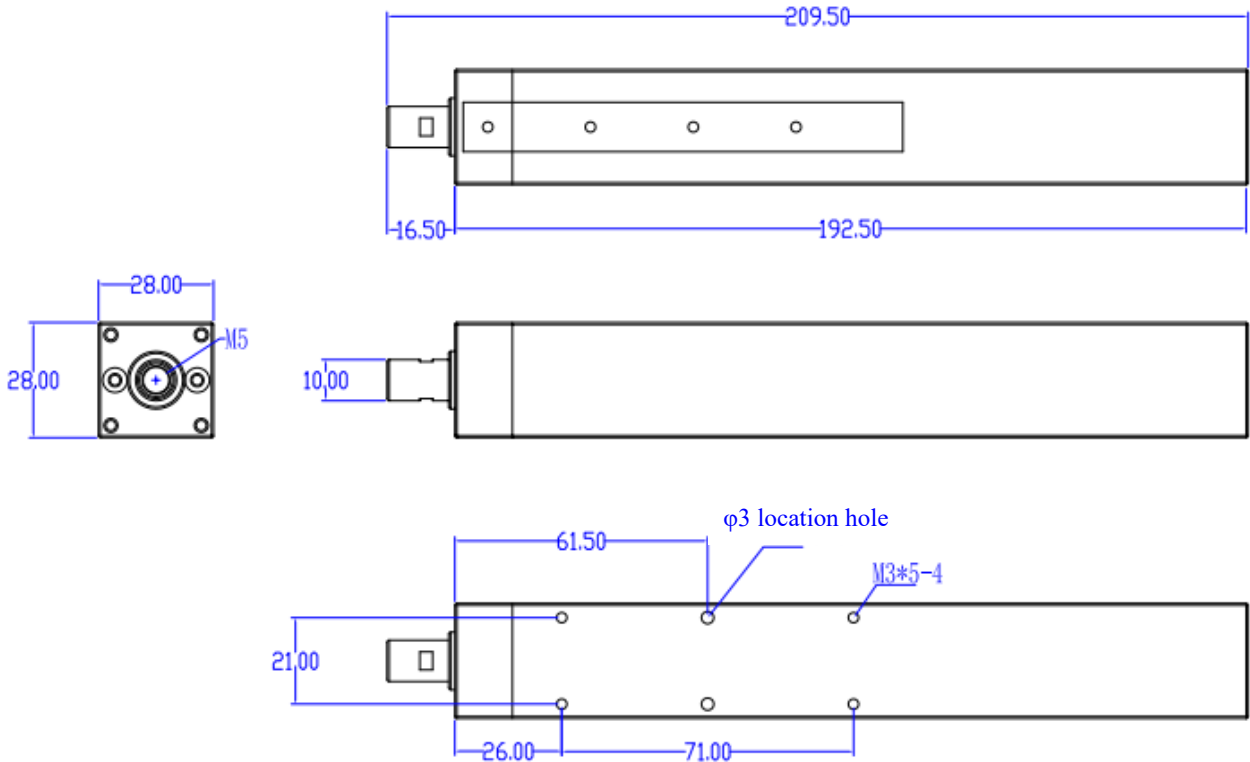
■ Electric sliding table specifications

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 accessories

Electric cylinder
G20Z
M28Z

Electric clamp
DG2
DG3

M28Z-060LS-2STT 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
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

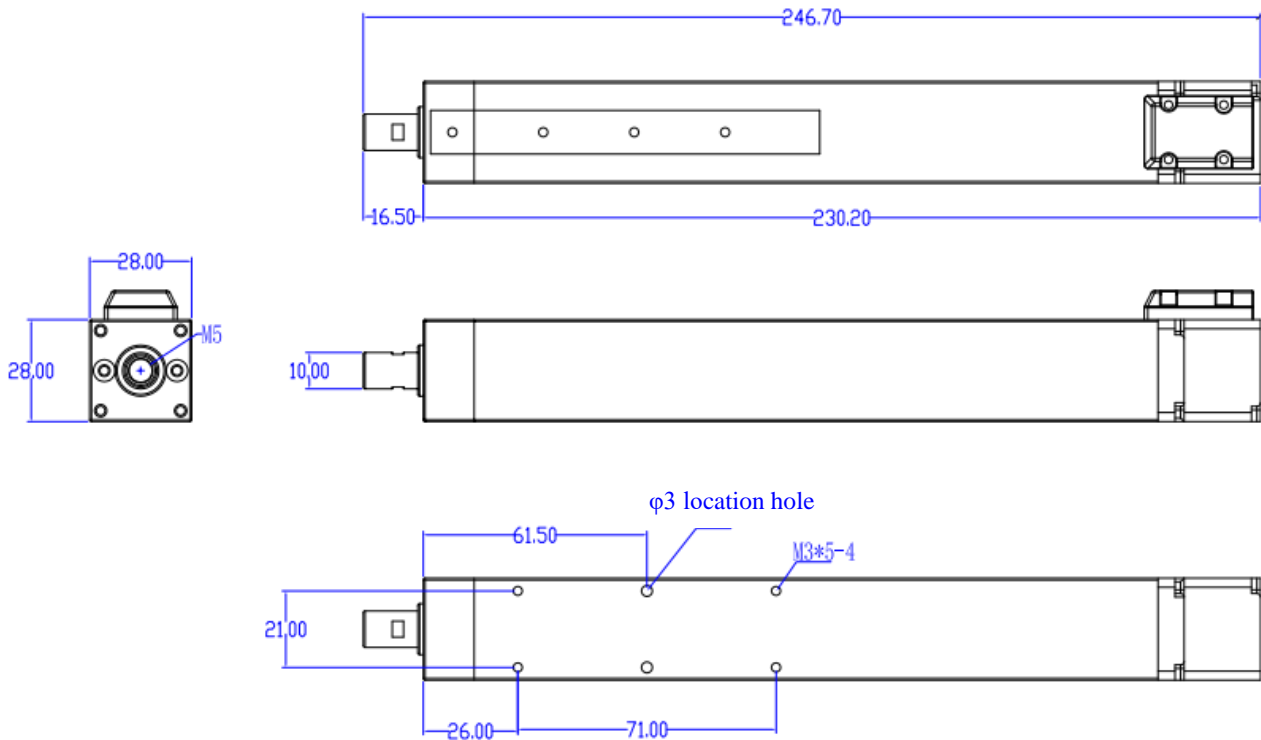
■ Electric sliding table specifications

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 series	Customer code	Effective stroke	Load status	Lead	Reducer	Power source	Transmission type
M28	Z	060L	S	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

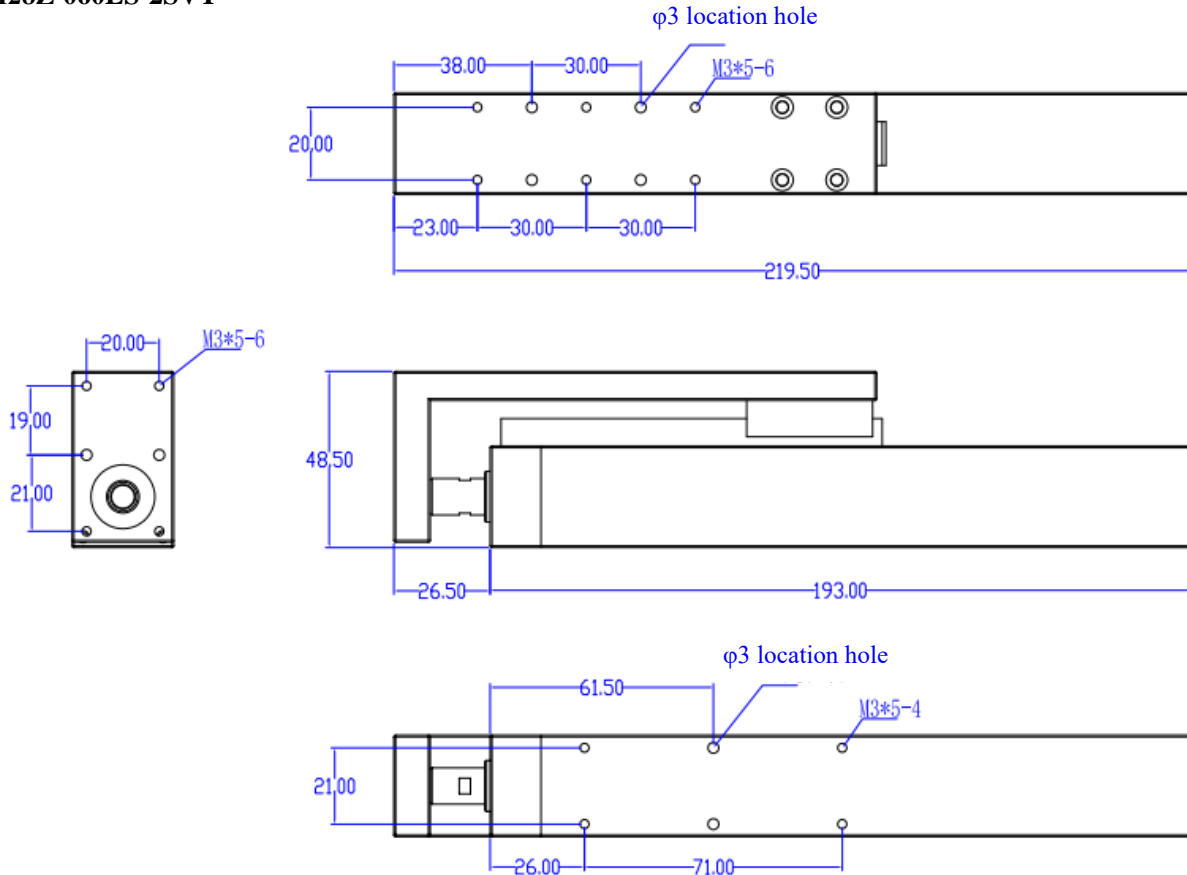
■ Electric sliding table specifications

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



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

■ Reading method of trade name

Model series	Customer code	Effective stroke	Load status	Lead	Reducer	Power source	Transmission type
M28	Z	100L		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

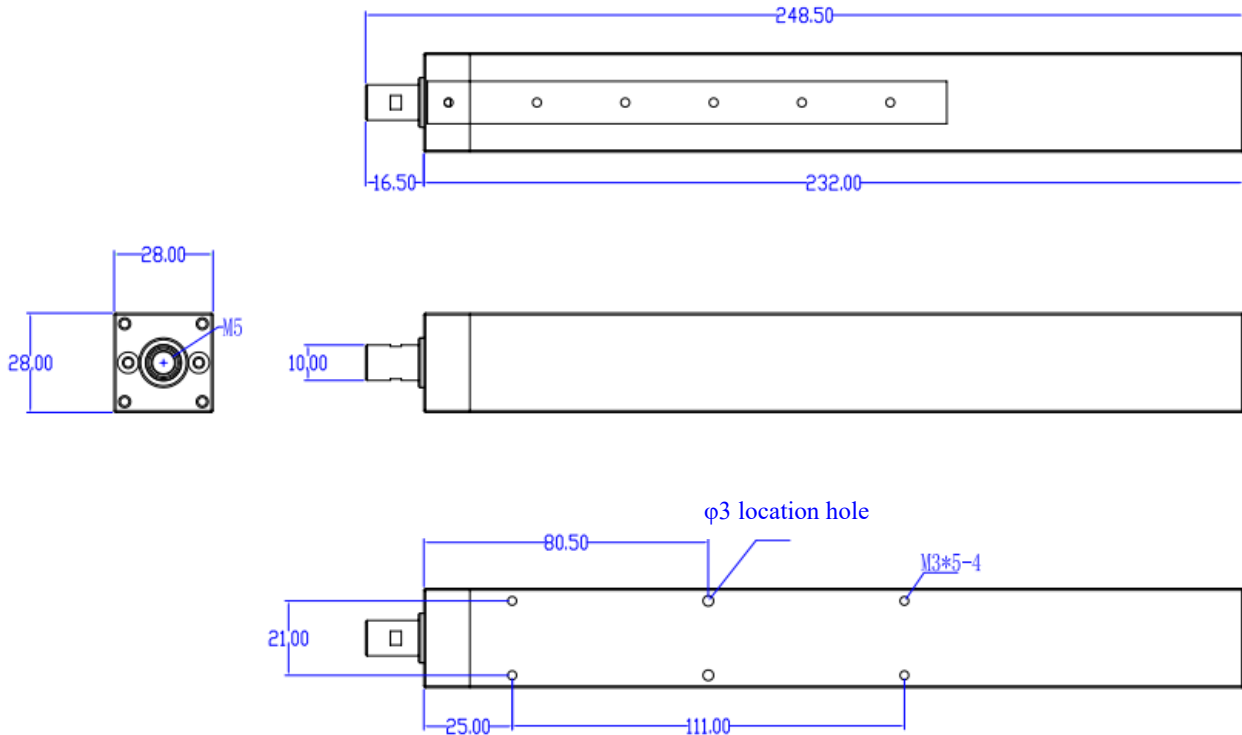
■ Electric sliding table specifications

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-100L-2STT



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

■ Reading method of trade name

Model series	Customer code	Effective stroke	Load status	Lead	Reducer	Power source	Transmission 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

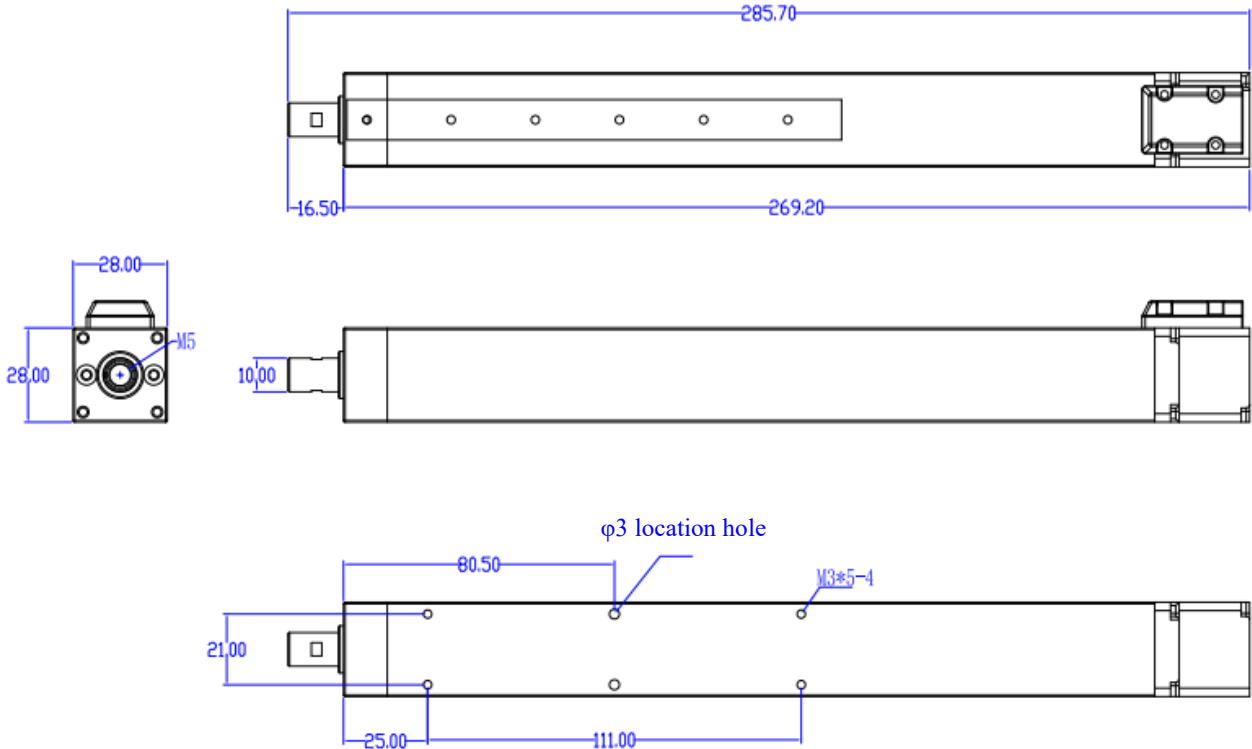
■ Electric sliding table specifications

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

Electric clamp
DG2
DG3

M28Z-100LS-2STT Width 28mm × height 48.5mm DC power input

■ Reading method of trade name

Model series	Customer code	Effective stroke	Load status	Lead	Reducer	Power source	Transmission 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

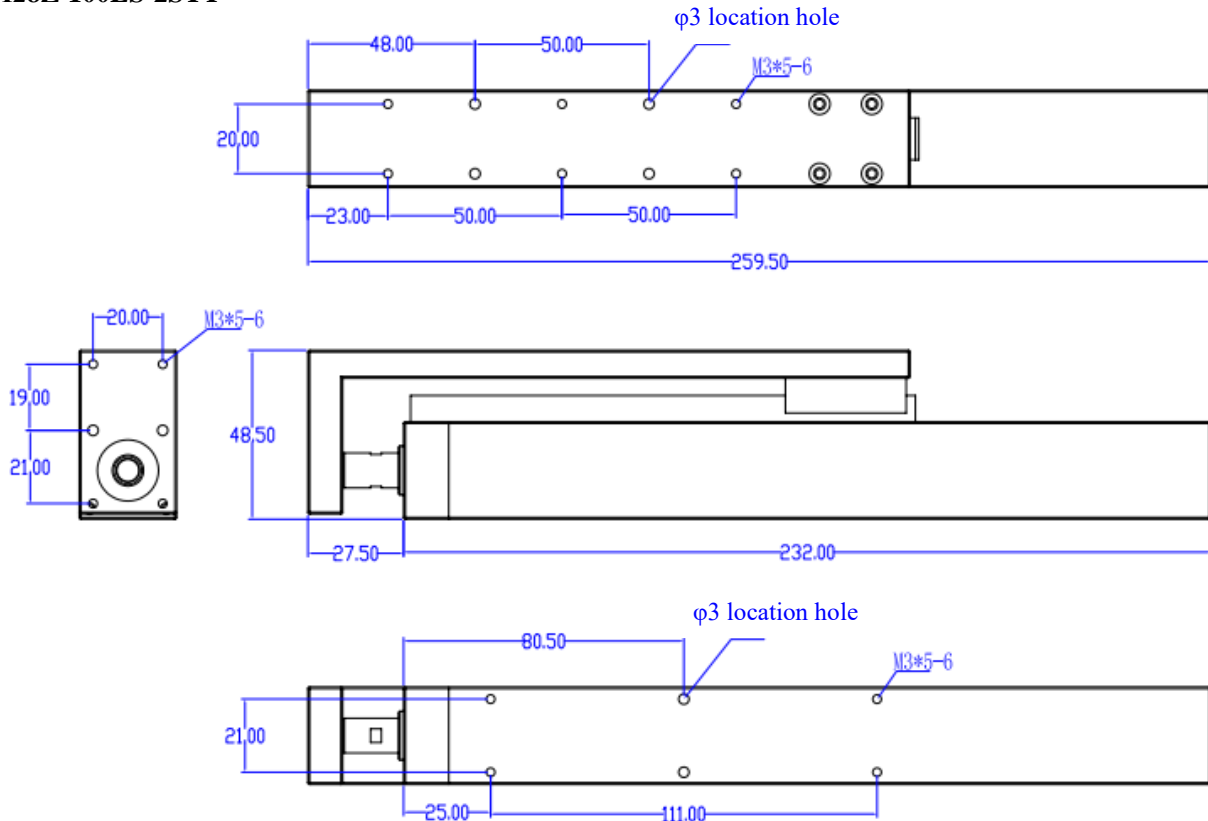
■ Electric sliding table specifications

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 series	Customer code	Effective stroke	Load status	Lead	Reducer	Power source	Transmission 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

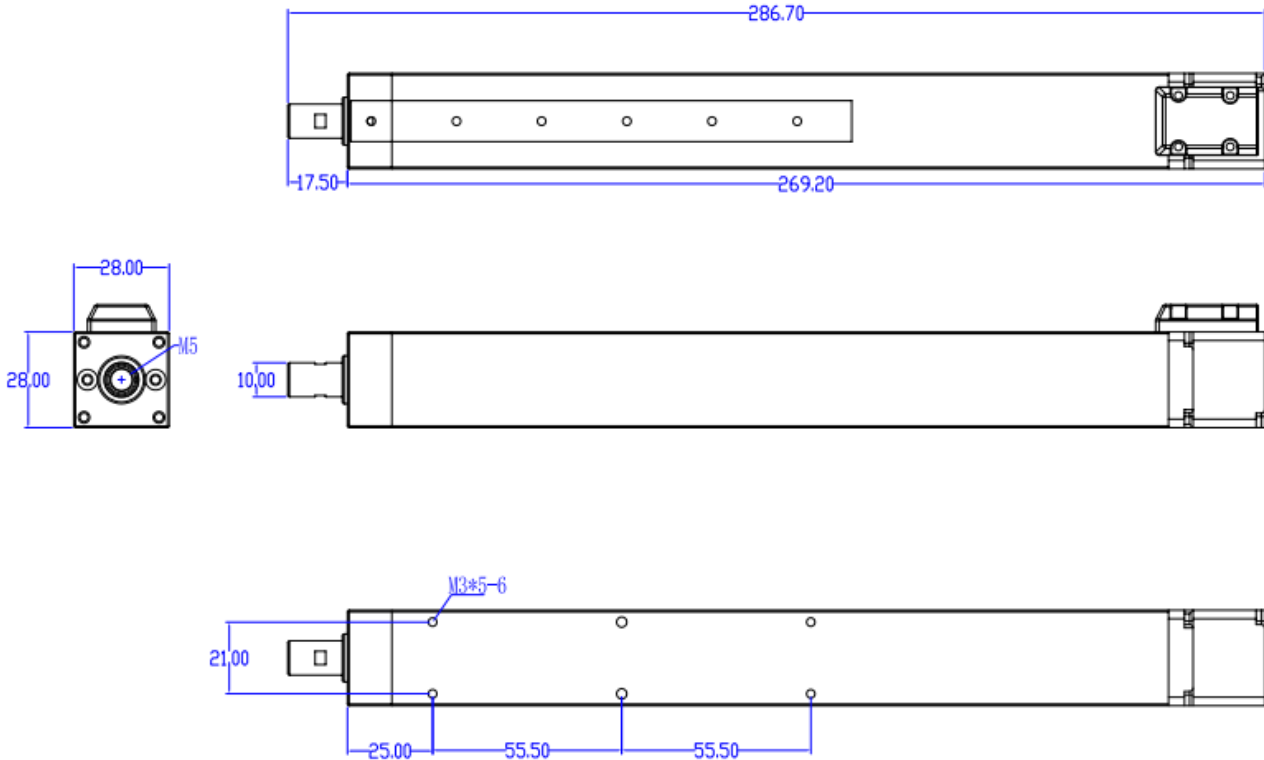
■ Electric sliding table specifications

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 accessories

Electric cylinder
G20Z
M28Z

Electric clamp
DG2
DG3

DG2-04L-ST DC power input

Reading method of trade name

Model series	Customer code	Effective stroke	Load status	Lead	Reducer	Power source	Transmission type
DG2		04L				ST	
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

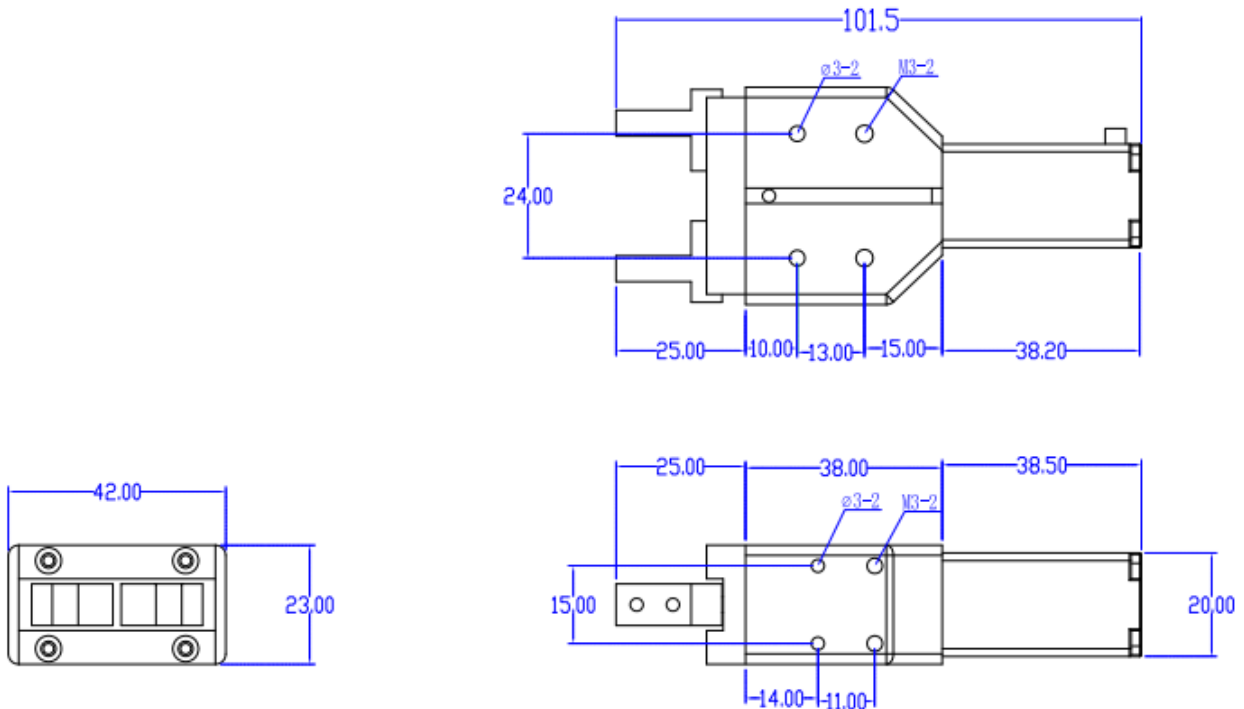
Electric sliding table specifications

Motor		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		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

Model series	Customer code	Effective stroke	Load status	Lead	Reducer	Power source	Transmission type
DG2		07L				STE	
DG2: Electric clamp DG3: Electric clamp	A~Z	000L: Customized stroke 04L: Single side 4mm 07L: Single side 7mm	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

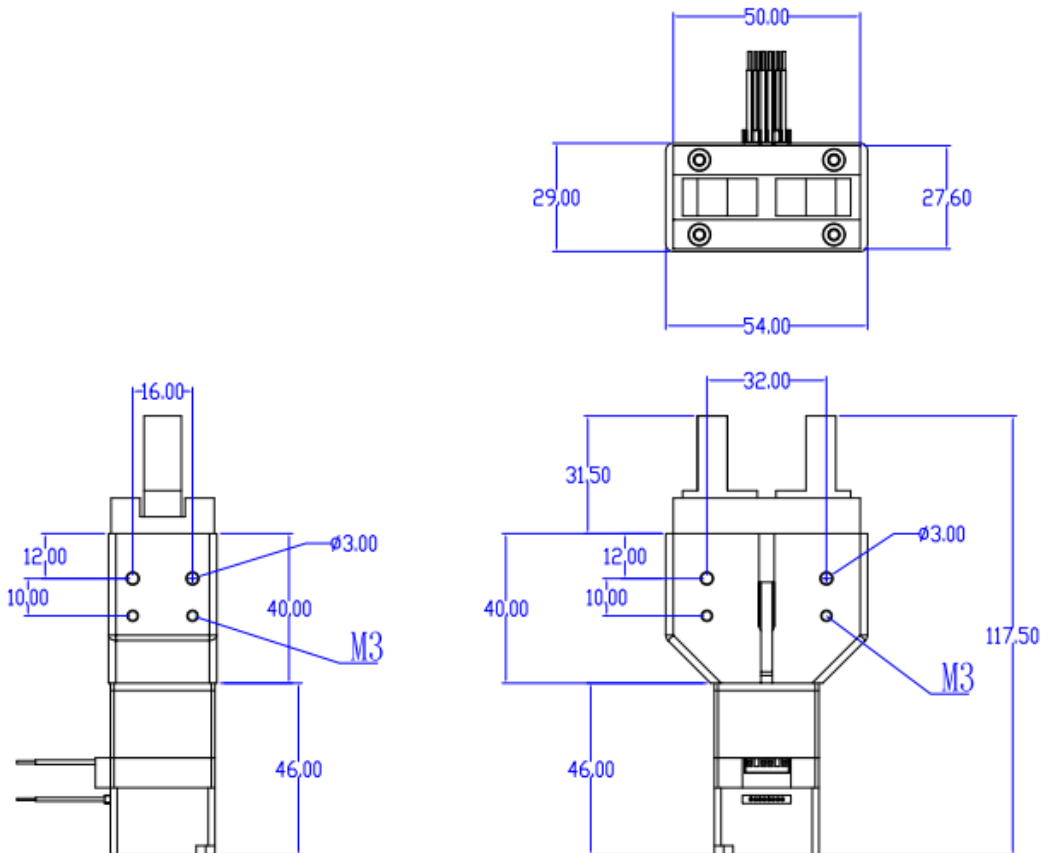
Electric sliding table specifications

Motor		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 accessories

Electric cylinder
G20Z
M282

Electric clamp
DG2
DG3

DG2-15L-1ST DC power input

■ Reading method of trade name

Model series	Customer code	Effective stroke	Load status	Lead	Reducer	Power source	Transmission type
DG2		15L		1		ST	
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

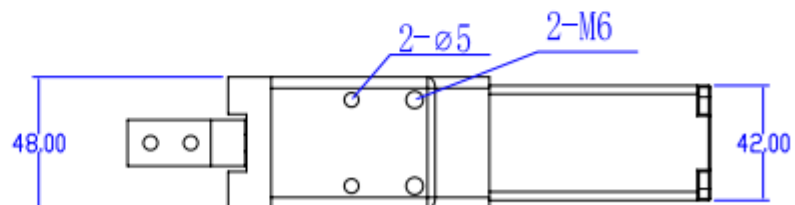
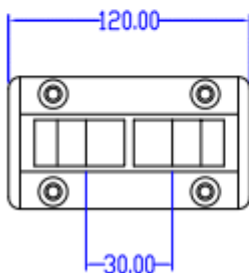
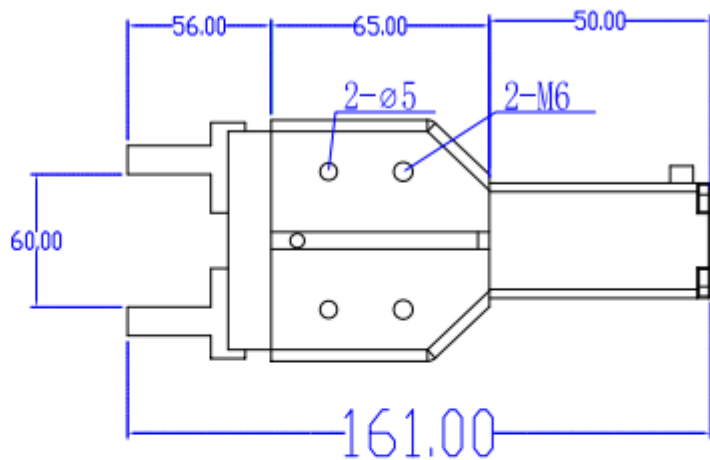
■ Electric sliding table specifications

Motor		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 series	Customer code	Effective stroke	Load status	Lead	Reducer	Power source	Transmission type
DG2		90L		1		STE	
DG2: Electric clamp DG3: Electric clamp	A~Z	00L: 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

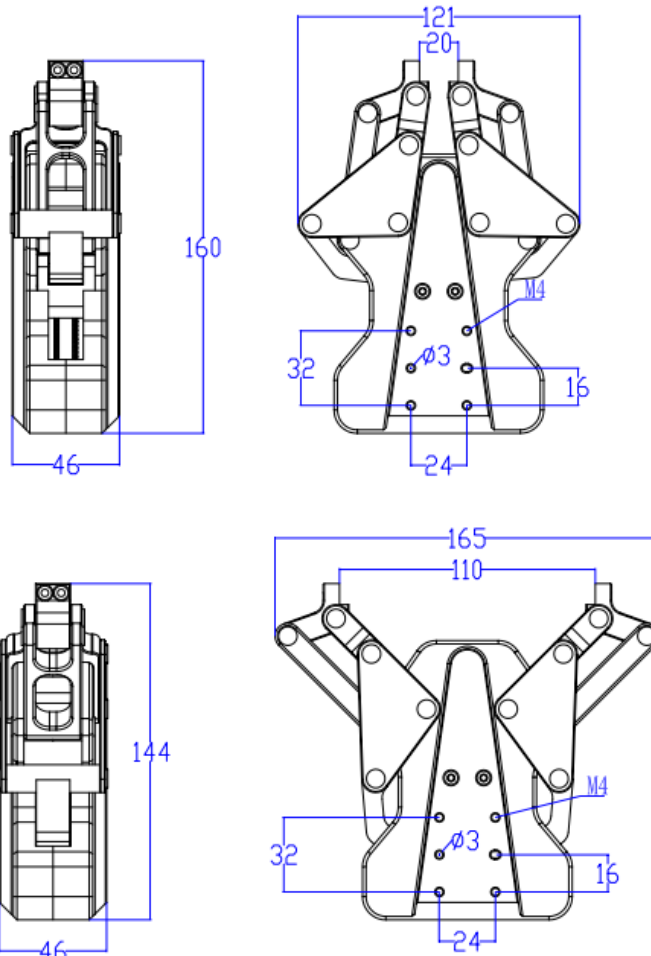
Electric sliding table specifications

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 accessories

Electric cylinder
G20Z
M282

Electric clamp
DG2
DG3

DG3-05L-ST DC power input

■ Reading method of trade name

Model series	Customer code	Effective stroke	Load status	Lead	Reducer	Power source	Transmission 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

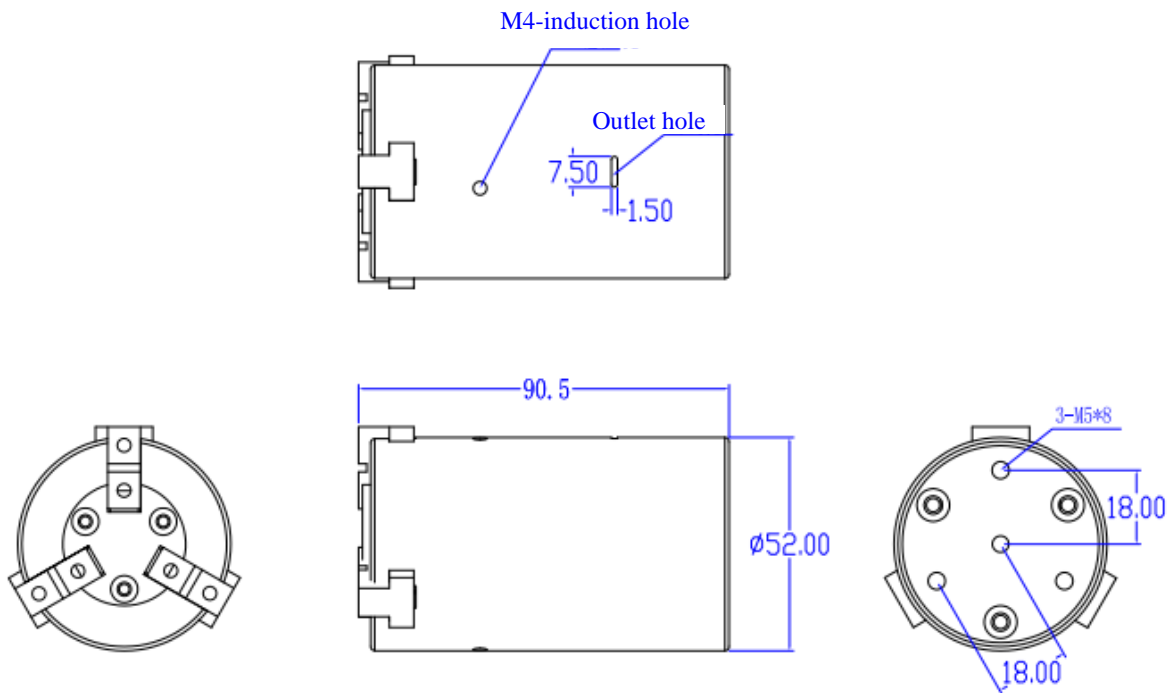
■ Electric sliding table specifications

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

Model series	Customer code	Effective stroke	Load status	Lead	Reducer	Power source	Transmission 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 GSV: Coreless servo motor	T: Trapezoidal precision lead screw B: Ball grinding lead screw TB: Synchronous wheel belt drive None

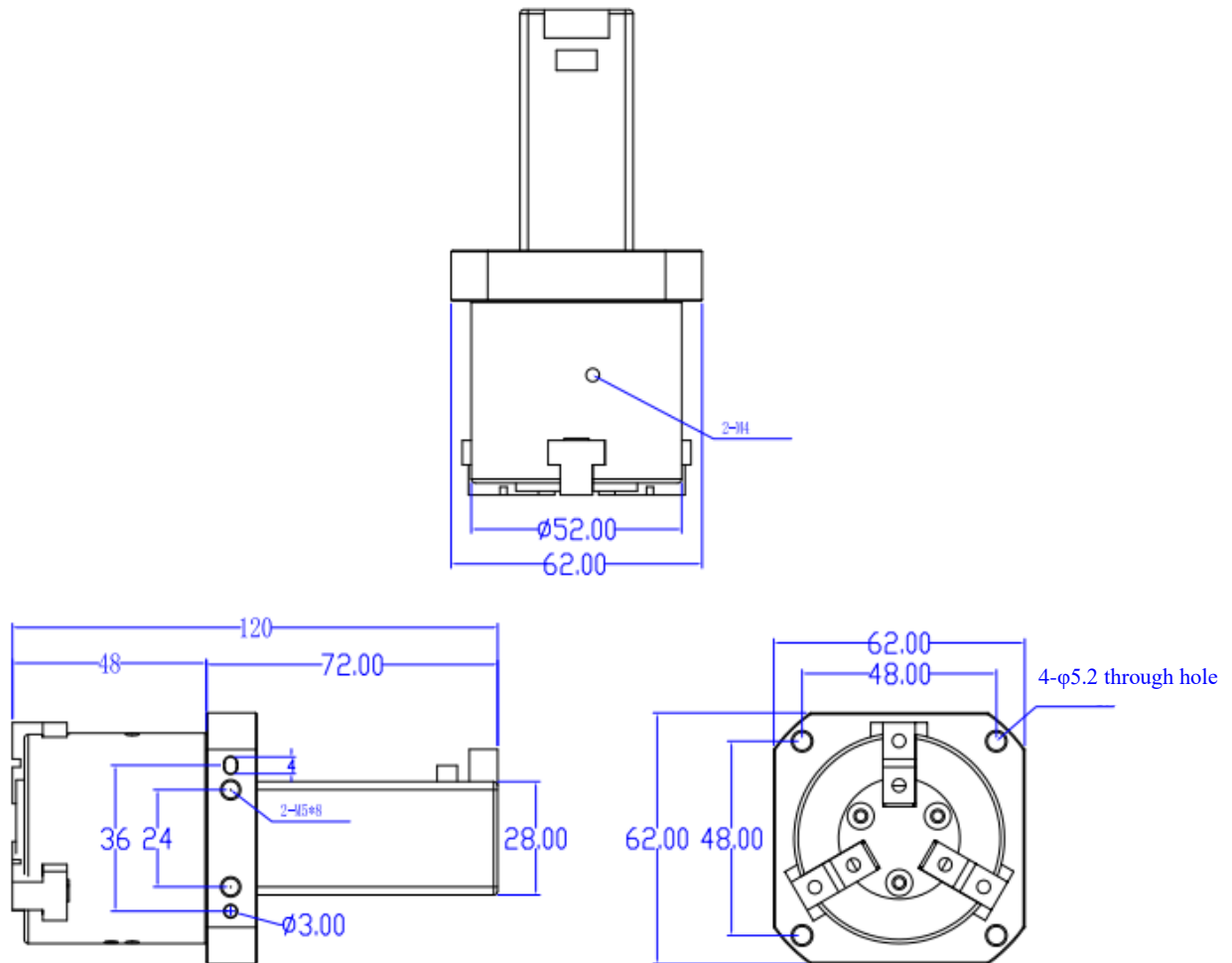
Electric sliding table specifications

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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
Optional accessories

Electric cylinder
G20Z
M282

Electric clamp
DG2
DG3



WeChat QR code



Official website QR code



Douyin QR code

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