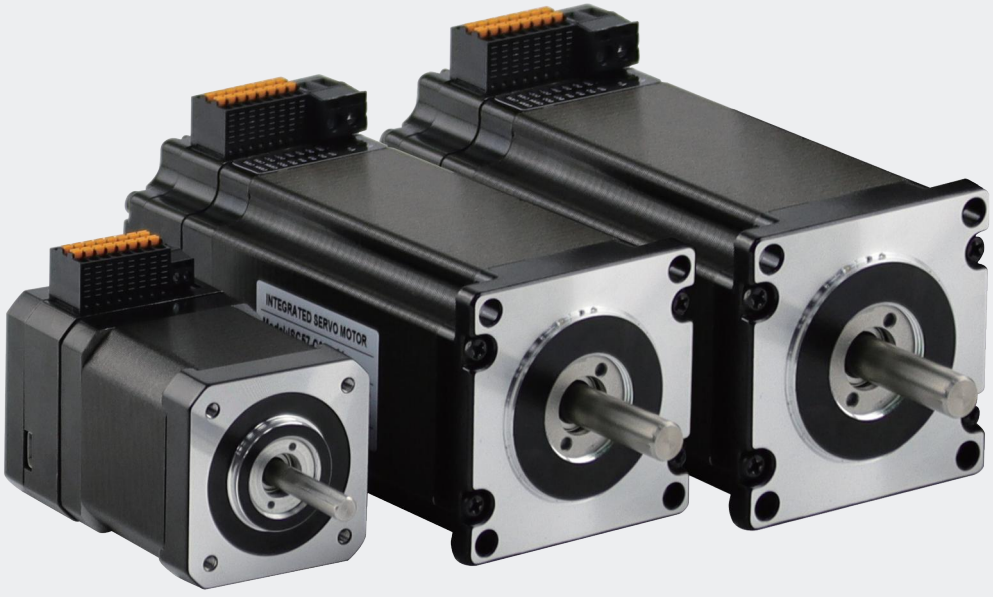
JKONGMOTOR

The preferred high-quality supplier for large global enterprises

—JKISC28/42/57/60/86 Series—

Intelligent Integrated Stepper Servo Motor

Pulse RS485 CANopen EtherCAT



Compact structure **Simple wiring** **Safe and reliable**

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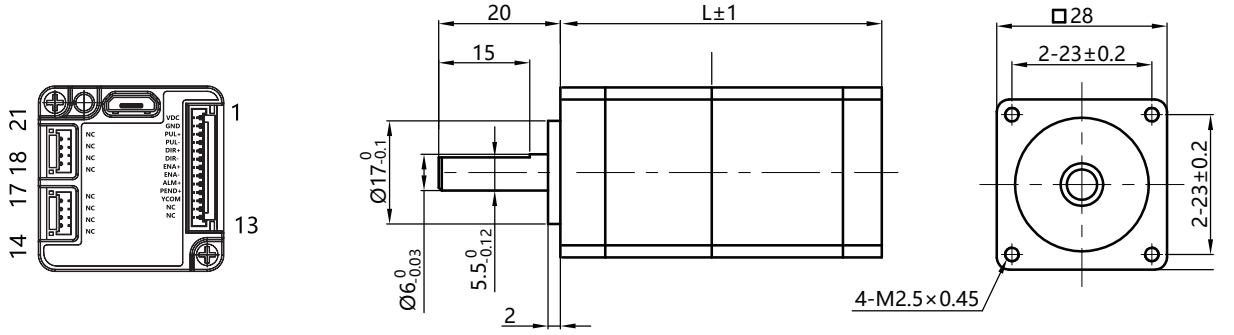
Interface layout

ISC28 Specification parameters

Model	Step Angle (°)	Phase current (A)	Phase resistance (Ω)	Phase inductance (mH)	Holding torque (N.m)	Encoder	Insulation class	Weight (Kg)	Length (Lmm)	Control mode
JKISC28-P1A3	1.8	1.0	2.8	1.8	0.065	15bit single turn absolute encoder	B	0.11	48.1	Pulse RS485 CANopen
JKISC28-P2A3		0.67	6.8	5.5	0.095			0.14	61	
JKISC28-P3A3		0.67	8.8	8.0	0.12			0.2	67	

Dimensions unit:mm

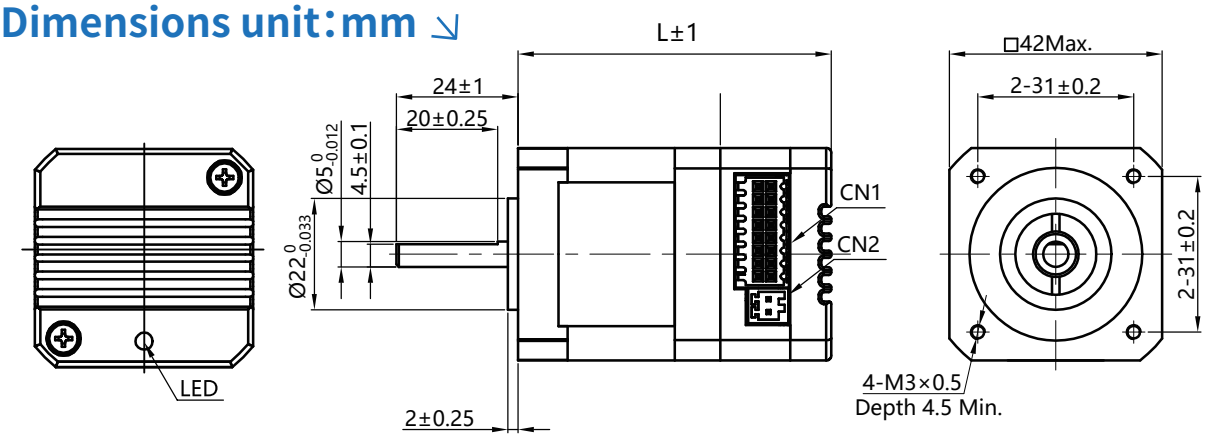


ISC42 Specification parameters

Model	Step Angle (°)	Phase current (A)	Phase resistance (Ω)	Phase inductance (mH)	Holding torque (N.m)	Encoder	Insulation class	Weight (Kg)	Length (Lmm)	Control mode
JKISC42-P1A3	1.8	1.33	2.1	2.5	0.26	15bit single turn absolute encoder	B	0.22	54	Pulse RS485 CANopen
JKISC42-P2A3		1.68	1.65	2.8	0.42			0.22	60	
JKISC42-P3A3		1.68	1.65	2.8	0.5			0.22	68.5	
JKISC42-P4A3		1.7	3	6.2	0.73			0.55	80.5	

※ The above are only representative products. Special requirement products can be customized according to customer requirements

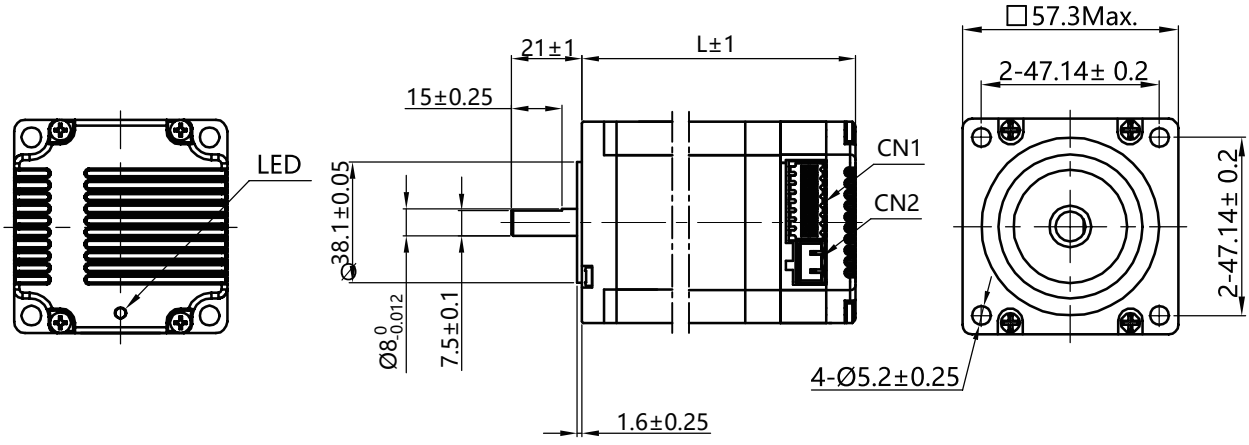
Dimensions unit:mm



ISC57 Specification parameters ↘

Model	Step Angle (°)	Phase current (A)	Phase resistance (Ω)	Phase inductance (mH)	Holding torque (N.m)	Encoder	Insulation class	Weight (Kg)	Length (Lmm)	Control mode
JKISC57-P1A3	1.8	2.8	0.7	1.4	0.55	15bit single turn absolute encoder	B	0.45	61.5	Pulse RS485 CANopen
JKISC57-P2A3		2.8	0.7	3.0	1.2			0.45	75	
JKISC57-P3A3		2.8	1.1	3.6	1.89			1.1	96	
JKISC57-P4A3		3	1.4	4.5	2.2			1.2	102.5	
JKISC57-P5A3		4.2	0.75	3	2.8			1.5	116.5	
JKISC57-P6A3		4.2	0.9	3.8	3.0			1.5	132	

Dimensions unit:mm ↘

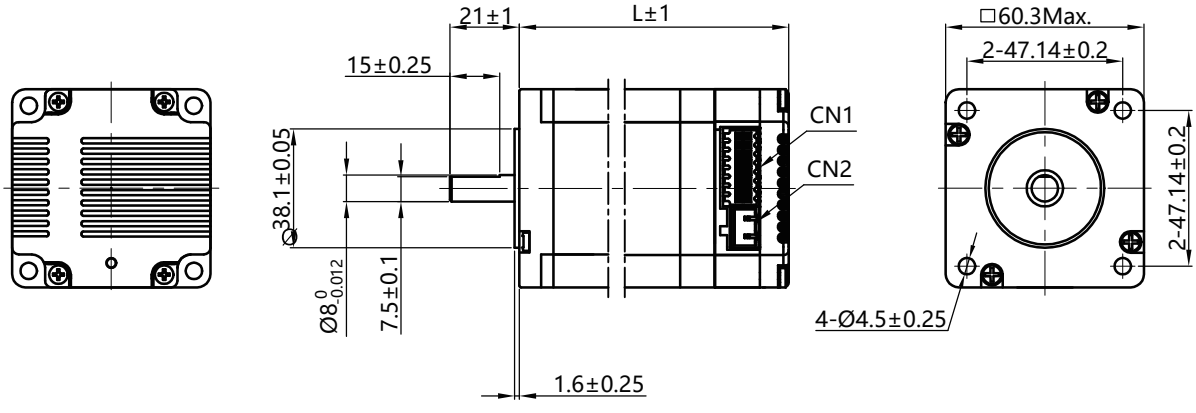


ISC60 Specification parameters ↘

Model	Step Angle (°)	Phase current (A)	Phase resistance (Ω)	Phase inductance (mH)	Holding torque (N.m)	Encoder	Insulation class	Weight (Kg)	Length (Lmm)	Control mode
JKISC60-P1A3	1.8	4.2	0.5	1.4	1.6	15bit single turn absolute encoder	B	1.5	73.7	Pulse RS485 CANopen
JKISC60-P2A3		4.2	0.6	1.8	2.0			1.6	87.2	
JKISC60-P3A3		4.2	0.8	3.0	2.8			1.7	108.2	
JKISC60-P4A3		4.2	0.75	3.6	3.8			1.8	121.2	
JKISC60-P5A3		4.2	1.0	3.8	4.1			1.9	130.7	

※ The above are only representative products. Special requirement products can be customized according to customer requirements

Dimensions unit:mm ↘

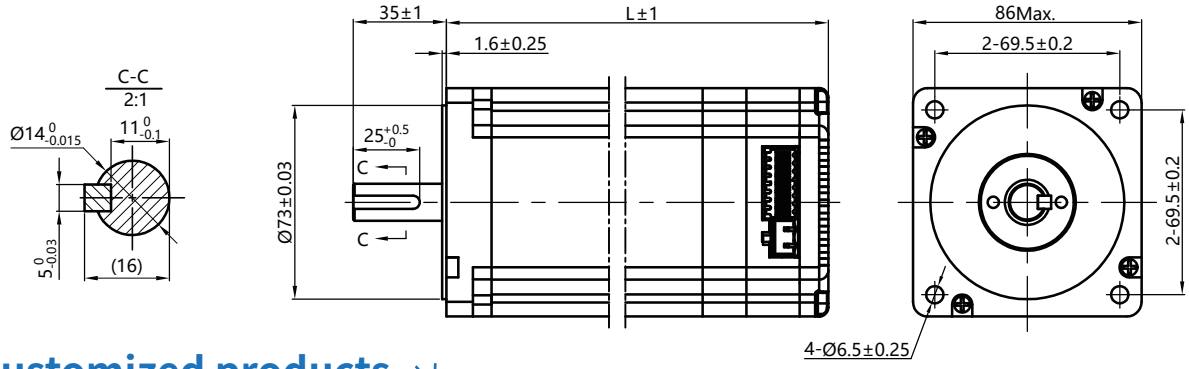


ISC86 Specification parameters

Model	Step Angle (°)	Phase current (A)	Phase resistance (Ω)	Phase inductance (mH)	Holding torque (N.m)	Encoder	Insulation class	Weight (Kg)	Length (Lmm)	Control mode
JKISC86-P1A3	1.8	6	0.37	3.4	4.5	15bit single turn absolute encoder	B	2.3	107.8	Pulse RS485 CANopen
JKISC86-P2A3		6	0.47	4.18	6.5			3.0	127.3	
JKISC86-P3A3		6	0.36	2.8	7.0			3.7	130.8	
JKISC86-P4A3		6	0.36	3.8	8.5			4.2	144.3	
JKISC86-P5A3		6	0.58	6.5	9.5			4.5	155.8	
JKISC86-P6A3		6	0.44	5.5	12			6.0	182.3	

※ The above are only representative products. Special requirement products can be customized according to customer requirements

Dimensions unit:mm



Customized products

Integrated Stepper Servo Module Motor

Integrated Reducer Motor

Integrated Lead Screw Motor

Ordering information

■ JKISC28/42/57/60/86 Series of intelligent integrated stepper servo motors

JK – ISP – 60 – C – 1 – A1 – B1 – 01 – Y – 3 – G – 03

① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫

① Name
JK: Changzhou Jkongmotor

② Integrated Stepper motor series
ISP: Integrated stepper waterproof type
ISC: Integrated stepper plug type

③ Motor frame
28=28mm; 42=42mm
57=57mm; 60=60mm; 86=86mm

④ Control type
P: Pulse R: RS485 C: CANopen

⑤ Motor Length

⑥ Encoder type
A1: 17bit single turn absolute encoder
A2: 17bit multi turn absolute encoder
A3: 15bit single turn absolute encoder
A4: 15bit multi turn absolute encoder

⑦ Brake(Optional)
B1: 24V brake; B2: 48V brake

⑧ Shaft type
None: Standard output shaft; 01: Special output shaft

⑨ Leading wire type
Y: Crimping shell ; H: Aviation plug; M: PG Gland

⑩ Number of leading wires
Crimping shell: 3=Power supply+communication+I/O;
4=Power supply+2*communication+I/O
Aviation plug: 2=Power supply+communication;
4=Power supply+2*communication+I/O
PG Gland: 2=Power supply+communication;
4=Power supply+2×communication+I/O

⑪ Reducer (optional)
G: Planetary gearbox; RG: Right-angle planetary gearbox;
WG: Worm gearbox

⑫ Gear ratio of the reducer
03: 1:3; 05: 1:5; 10: 1:10; 20: 1:20