

B 企业简介

BUSINESS ENTERPRISE

BRIEF INTRODUCTION

常州安科特电机有限公司是专业设计、生产混合式步进电机、直流无刷电机、伺服电机及配套电机驱动器的高科技企业。安科特电机始终坚持以人为本，以创新为发展动力，秉承“信誉第一、质量至上”的经营理念，争创市场一流品牌。

安科特电机技术力量雄厚，生产工艺成熟，检验设备齐全。已获得ISO9001:2015质量管理体系认证及CE认证，产品符合欧盟RoHS标准。

安科特电机团队志存高远，锐意进取，在机遇与挑战面前，安科特电机将不断求索，愿与所有的伙伴一同前行，成就未来，共创伟业！

Changzhou ACT Motor Co., Ltd is a high-tech enterprise that specializes in designing and producing hybrid stepper motors, brushless DC motors, servo motors and motor drivers.

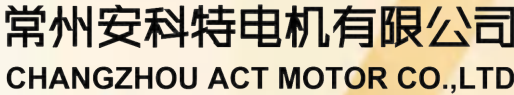
ACT Motor always insists on people-oriented, innovative driving force for development, insists on the "credibility first, quality first" business philosophy, striving for market-leading brands.

ACT Motor has strong technical force, mature production technology, complete testing equipment and has obtained ISO9001: 2015 quality management system certification and CE certification, compliance with the EU RoHS standards.

With high aspiration, striving for progress and innovation, ACT Motor team sincerely works hand in hand with domestic and foreign partners for our bright future.

ACT MOTOR





www.act-motor.cn
www.act-motor.com

P99~143
步进驱动器
stepper Motor Driver

两相开环步进电机驱动器

Two-phase open-loop stepper motor driver

[illegible]

CAN OPEN闭环步进电机驱动器

CAN OPEN closed-loop stepper motor driver

CSO80>>>>>>>>>>>>>>>>>>>>>>>>>>>>>122

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Ether CAT总线步进电机驱动器

Ether CAT Bus Stepper Motor Driver

EC>>>>>>>>>>>>>>>>>>>>>>>>>>>>>124

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多合一步进驱动器

Multi in one stepper motor driver

DM2545>>>>>>>>>>>>>>>>>>>>>>>>>>>>>128

DM3545>>>>>>>>>>>>>>>>>>>>>>>>>>>>>129

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一体集成式脉冲步进驱动电机

Integrated Pulse stepper motor User's Manual

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Selection Table for Stepper Motor Drivers

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直流无刷电机

Brushless DC Motor

42BLF>>>>>>>>>>>>>145
57BL>>>>>>>>>>>>>>146
57BLF>>>>>>>>>>>>>>147
86BLF>>>>>>>>>>>>>>148
60BLF>>>>>>>>>>>>>>149
80BLF>>>>>>>>>>>>>>150
90BLF>>>>>>>>>>>>>>151
110BLF>>>>>>>>>>>>>>152

闭环无刷电机

Closed loop Brushless DC Motor

42BLF-EC1000>>>>>>>>>>>153
57BLF-EC1000>>>>>>>>>>>>154
86BLF-EC1000>>>>>>>>>>>>155

无刷齿轮箱电机

Brushless Gearbox Motor

36BL01AG-TH>>>>>>>>>>>>156
42BLFAG-TH>>>>>>>>>>>>>157
42BLFAG-XMNS>>>>>>>>>>>>158
57BLFAG-XMNS>>>>>>>>>>>>159
86BLFAG-XMNS>>>>>>>>>>>>160



P161~163 无刷驱动器 Brushless Motor Driver

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BLDC-6012S >>>>>>>161
BLDC-6030  >>>>>>>162
BLDC-8015  >>>>>>>163
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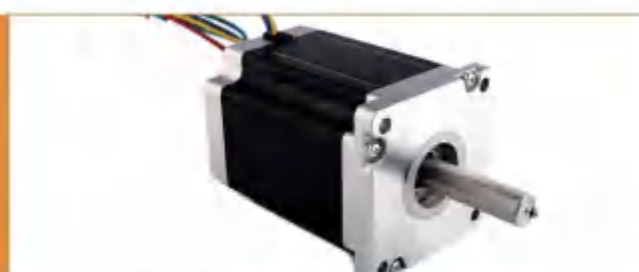


常州安科特电机有限公司
CHANGZHOU ACT MOTOR CO.,LTD

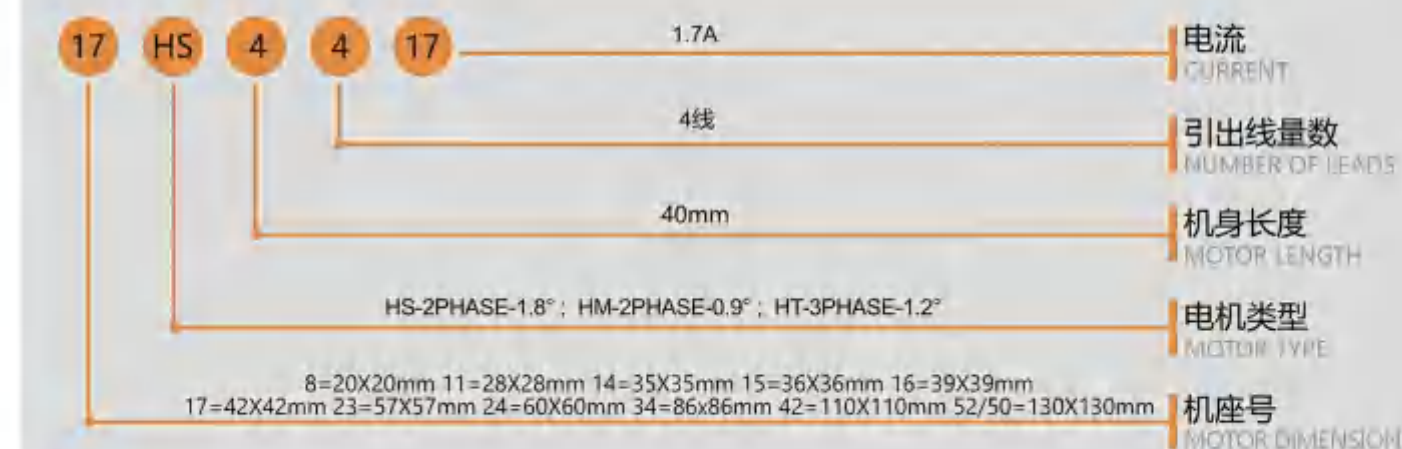
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STEPPER MOTOR

步进电机



S 编号规则 SERIAL NUMBER RULE



G 通用技术条件 GENERAL SPECIFICATION

Item	Specifications	
Step Angle Accuracy	步距精度	±5% (full step,no load)
Resistance Accuracy	电阻精度	±10%
Inductance Accuracy	电感精度	±20%
Temperature Rise	温 升	80°C Max. (rated current,2 phase on)
Ambient Temperature	环 境	-20°C~ +50°C
Insulation Resistance	绝缘电阻	100MΩMin.,500VDC
Dielectric Strength	耐 压	500VAC for one minute



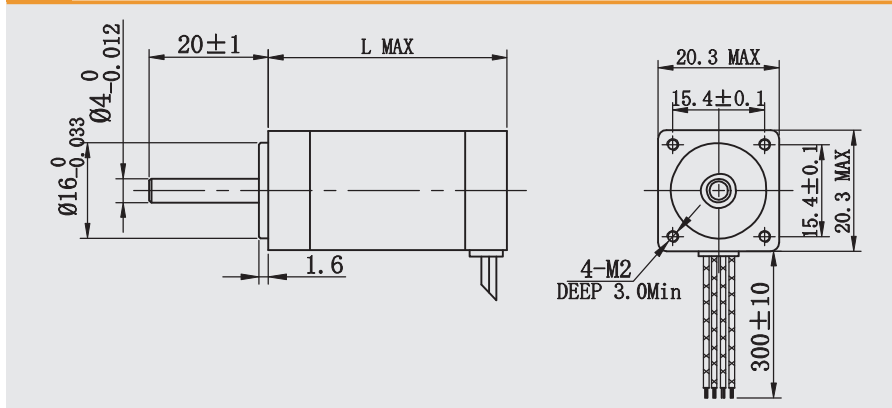
8HS系列 (20BYGH) 混合式步进电机 HYBRID STEPPER MOTOR



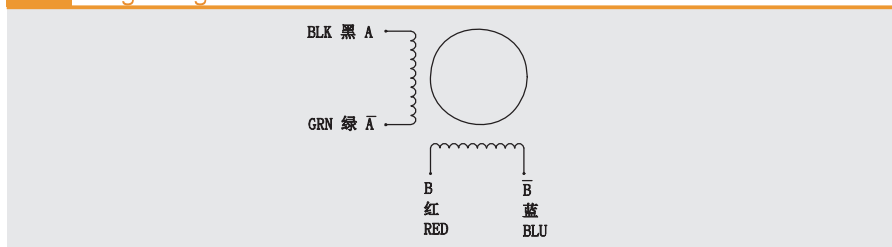
M 机身说明 Motor Length

型号	机身长
8HS2XXX	28mm
8HS3XXX	33mm
8HS4XXX	40mm
8HS5XXX	46.5mm

M 外型图 Mechanical Dimensions



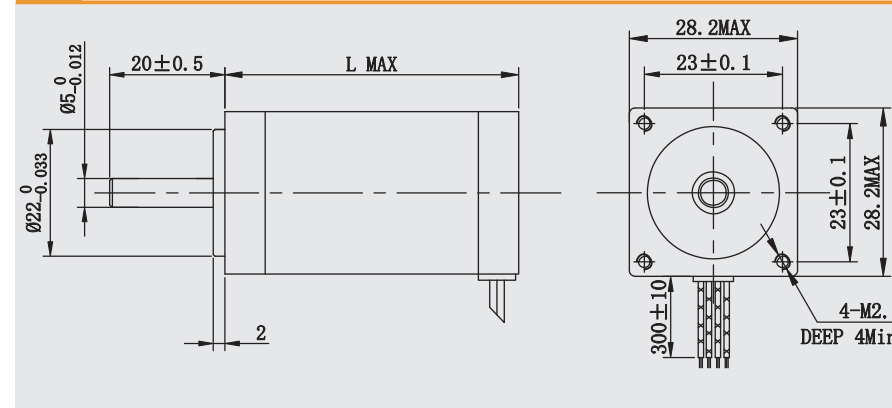
W 接线图 Wiring Diagram



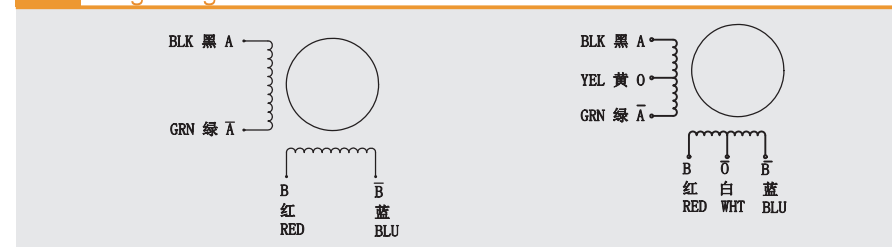
E 技术数据 Electrical Specifications

型号 Series Mode	步距角 Step Angle (°)	机身长 Motor Length (mm)	电压 Rated Voltage (V)	电流 Rated Current (A)	电阻 Phase Resistance (Ω)	电感 Phase Inductance (mH)	静力矩 Holding Torque (N.cm)	定位力矩 Detent Torque (N.cm Max)	转动惯量 Rotor Torque (g.cm ²)	引线数 Lead Wires (NO.)	重量 Motor Weight (g)
8HS2402	1.8	28	4.4	0.2	22	7	1.4	0.2	2.5	4	50
8HS3406	1.8	33	2.7	0.6	4.5	2	1.8	0.3	3.2	4	70
8HS4406	1.8	40	3.3	0.6	5.5	2.3	2.6	0.5	4.5	4	80
8HS5409	1.8	46.5	3.33	0.7	3.7	2.4	5.7	0.6	5.2	4	95

M 外型图 Mechanical Dimensions



W 接线图 Wiring Diagram



E 技术数据 Electrical Specifications

型号 Series Mode	步距角 Step Angle (°)	机身长 Motor Length (mm)	电压 Rated Voltage (V)	电流 Rated Current (A)	电阻 Phase Resistance (Ω)	电感 Phase Inductance (mH)	静力矩 Holding Torque (N.cm)	定位力矩 Detent Torque (N.cm Max)	转动惯量 Rotor Torque (g.cm ²)	引线数 Lead Wires (NO.)	重量 Motor Weight (g)
11HS2406	1.8	28	2.52	0.6	4.2	2.2	4.5	0.3	6	4	105
11HS3406	1.8	33	3.8	0.67	5.6	3.8	6	0.4	9	4	110
11HS4406	1.8	41	4.2	0.6	7	8	6	0.5	11	4	140
11HS7406	1.8	44	3.68	0.67	5.5	6.5	7	0.6	12	4	165
11HS5406	1.8	50	6.2	0.67	9.2	8.9	12	0.8	18	4	200
11HS5609	1.8	50	4.37	0.95	4.6	1.8	9	0.8	18	6	200

11HS系列 (28BYGH) 混合式步进电机 HYBRID STEPPER MOTOR



M 机身说明 Motor Length

型号	机身长
11HS2XXX	28mm
11HS3XXX	33mm
11HS4XXX	41mm
11HS5XXX	50mm
11HS7XXX	44mm



14HS/HM 系列 (35BYGH/35BYGHM)

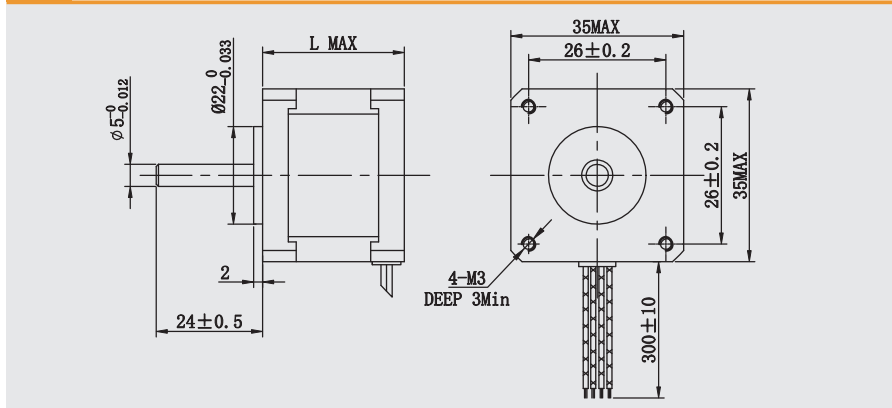
混合式步进电机
HYBRID STEPPER MOTOR



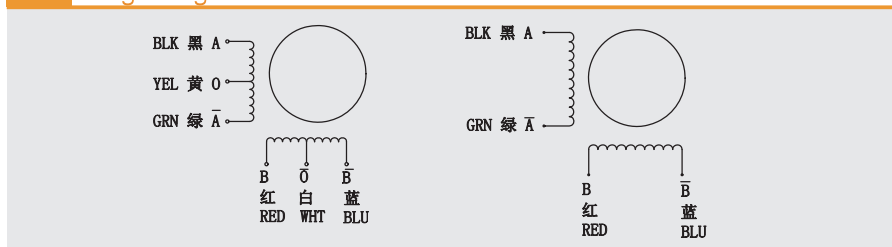
M 机身说明 Motor Length

型号	机身长
14HS1XXX	20mm
14HS0XXX	26mm
14HS2XXX	28mm
14HS3XXX	33mm
14HS5XXX	52mm
14HM2XXX	28mm
14HM3XXX	33mm

M 外型图 Mechanical Dimensions



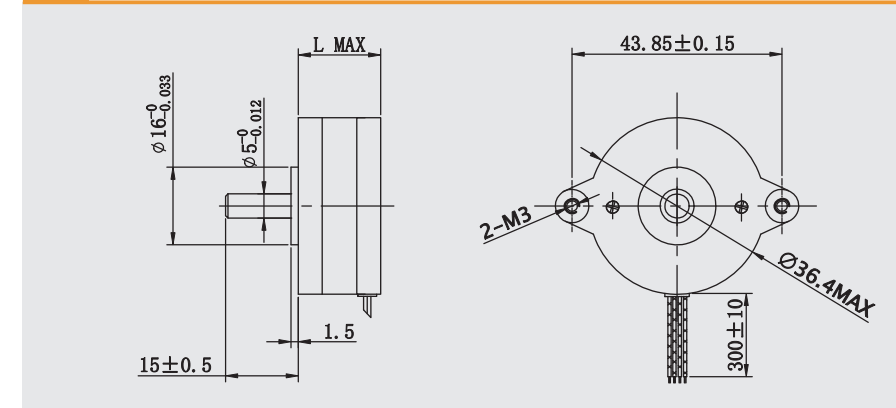
W 接线图 Wiring Diagram



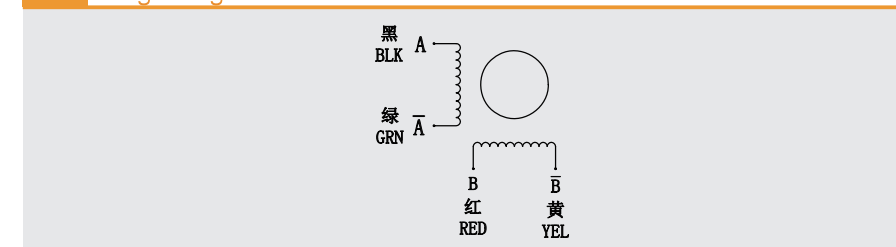
E 技术数据 Electrical Specifications

型号 Series Mode	步距角 Step Angle (°)	机身长 Motor Length (mm)	电压 Rated Voltage (V)	电流 Rated Current (A)	电阻 Phase Resistance (Ω)	电感 Phase Inductance (mH)	静力矩 Holding Torque (N.m)	定位力矩 Detent Torque (N.cm Max)	转动惯量 Rotor Torque (g.cm²)	引线数 Lead Wires (NO.)	重量 Motor Weight (g)
14HS1404	1.8	20	10.8	0.4	27	17	0.06	0.5	8	4	100
14HS0604	1.8	26	10	0.4	25	11	0.07	0.6	11	6	110
14HS2603	1.8	28	12	0.3	40	19	0.08	0.8	11	6	120
14HS2410	1.8	28	3	1	3	4	0.12	0.8	11	4	140
14HS3408	1.8	33	5.6	0.8	7	13	0.18	1	13	4	160
14HS3412	1.8	33	3.12	1.2	2.6	5	0.18	1	13	4	160
14HS5412	1.8	52	3.96	1.2	3.3	8	0.4	2	26	4	220
14HM2404	0.9	28	11.2	0.4	28	24	0.1	0.3	12	4	130
14HM2408	0.9	28	3.6	0.8	4.5	3.8	0.1	0.3	12	4	130
14HM3604	0.9	34	12	0.4	30	18	0.1	0.6	18	6	190
14HM3408	0.9	34	4.8	0.8	6	10	0.14	0.6	18	4	190

M 外型图 Mechanical Dimensions



W 接线图 Wiring Diagram

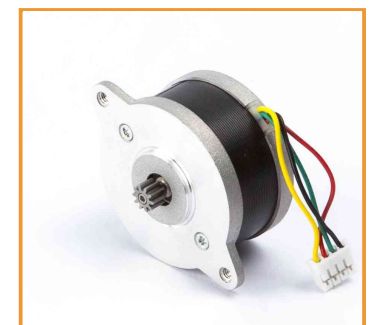


E 技术数据 Electrical Specifications

型号 Series Mode	步距角 Step Angle (°)	机身长 Motor Length (mm)	电压 Rated Voltage (V)	电流 Rated Current (A)	电阻 Phase Resistance (Ω)	电感 Phase Inductance (mH)	静力矩 Holding Torque (N.m)	定位力矩 Detent Torque (N.cm Max)	转动惯量 Rotor Torque (g.cm²)	引线数 Lead Wires (NO.)	重量 Motor Weight (g)
15HS1410	1.8	15	2.8	1	2.8	1.3	0.1	0.3	4	4	95
15HS2418	1.8	19	3.48	1.88	2.1	1.2	0.13	0.5	6	4	95
15HM1403	0.9	15	5.04	0.3	16.8	8.5	0.036	0.3	4	4	95
15HM2406	0.9	19	4.88	0.65	7.5	6.5	0.08	0.5	6	4	95

15HS/HM 系列 (36BYGH/36BYGHM)

混合式步进电机
HYBRID STEPPER MOTOR



M 机身说明 Motor Length

型号	机身长
15HS1XXX	15mm
15HS2XXX	19mm
15HM1XXX	15mm
15HM2XXX	19mm



16HS/HM系列(39BYGH/39BYGHM)

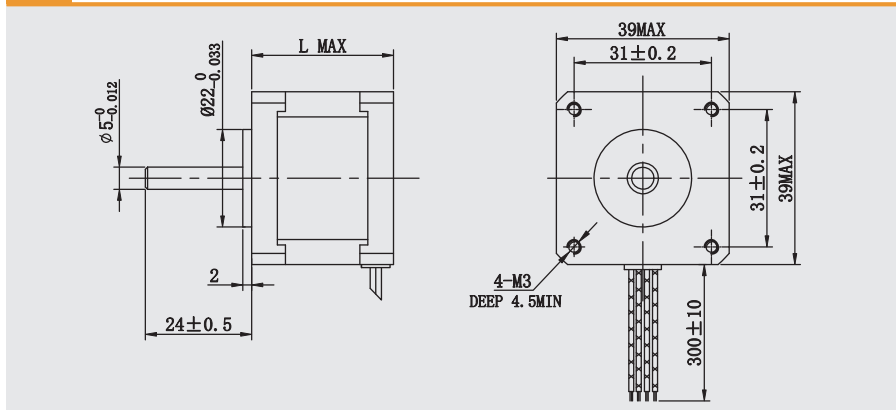
混合式步进电机
HYBRID STEPPER MOTOR



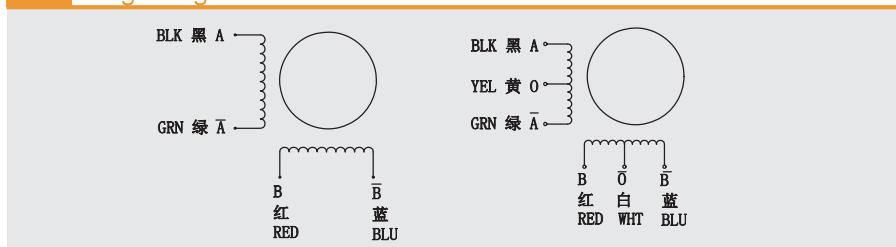
M 机身说明 Motor Length

型号	机身长
16HS2XXX	20mm
16HS3XXX	34mm
16HS4XXX	38mm
16HS5XXX	46mm
16HM0XXX	20mm
16HM2XXX	26mm
16HM3XXX	34mm
16HM4XXX	40mm

M 外型图 Mechanical Dimensions



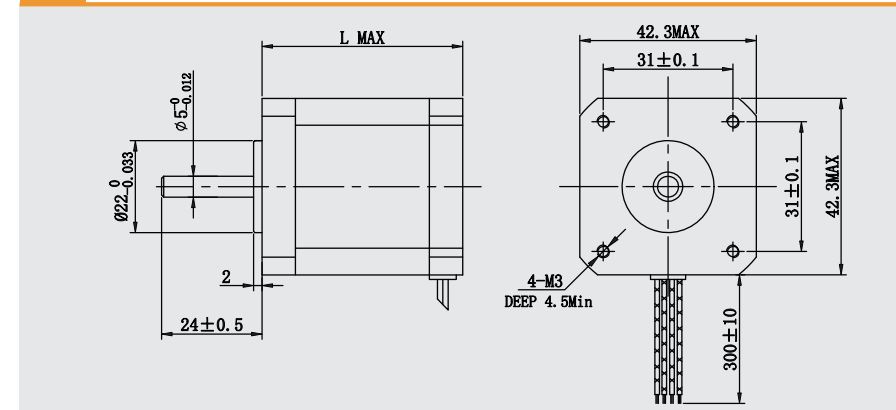
W 接线图 Wiring Diagram



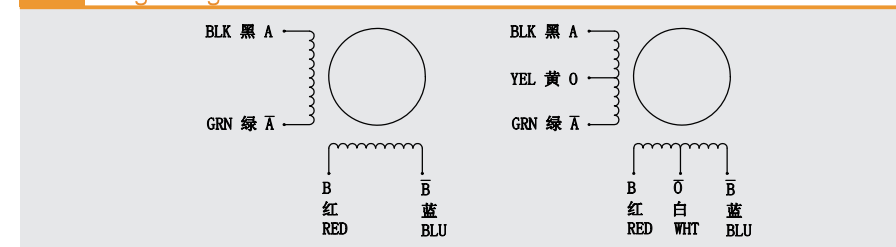
E 技术数据 Electrical Specifications

型号 Series Model	步距角 Step Angle (°)	机身长 Motor Length (mm)	电压 Rated Voltage (V)	电流 Rated Current (A)	电阻 Phase Resistance (Ω)	电感 Phase Inductance (mH)	静力矩 Holding Torque (N.m)	定位力矩 Detent Torque (N.cm Max)	转动惯量 Rotor Torque (g.cm²)	引线数 Lead Wires (NO.)	重量 Motor Weight (g)
16HS2404	1.8	20	2.68	0.4	6.4	6	0.065	0.5	11	4	120
16HS3404	1.8	34	10.8	0.4	27	36	0.21	1	20	4	180
16HS3610	1.8	34	3.8	0.95	4	3	0.14	1	20	6	180
16HS4410	1.8	38	11	1	11	25	0.4	1.2	24	4	210
16HS5403	1.8	46	12.9	0.3	43	76	0.31	2.5	40	4	250
16HM0405	0.9	20	3.75	0.5	7.5	7	0.07	0.5	15	4	100
16HM2605	0.9	26	12	0.5	24	13	0.1	0.8	18	6	150
16HM3406	0.9	34	5.4	0.6	9	15	0.16	1.1	23	4	160
16HM4406	0.9	40	7.2	0.6	12	20	0.24	1.4	30	4	210

M 外型图 Mechanical Dimensions



W 接线图 Wiring Diagram



E 技术数据 Electrical Specifications

型号 Series Model	步距角 Step Angle (°)	机身长 Motor Length (mm)	电压 Rated Voltage (V)	电流 Rated Current (A)	电阻 Phase Resistance (Ω)	电感 Phase Inductance (mH)	静力矩 Holding Torque (N.m)	定位力矩 Detent Torque (N.cm Max)	转动惯量 Rotor Torque (g.cm²)	引线数 Lead Wires (NO.)	重量 Motor Weight (g)
17HS0410	1.8	21	3	1	3	4	0.16	1	22	4	0.15
17HS3404	1.8	34	12	0.4	30	38	0.28	1.6	35	4	0.22
17HS3413	1.8	34	3.25	1.3	2.5	3	0.28	1.6	35	4	0.22
17HS4413	1.8	40	3.25	1.3	2.5	5	0.5	2.2	54	4	0.28
17HS4417	1.8	40	2.55	1.7	1.5	2.8	0.5	2.2	54	4	0.28
17HS5412	1.8	48	3.6	1.2	3	5.5	0.58	2.8	68	4	0.36
17HS5417	1.8	48	3	1.68	1.8	3.2	0.58	2.8	68	4	0.36
17HS5425	1.8	48	3	2.5	1.2	1.9	0.58	2.8	68	4	0.36
17HS6420	1.8	60	3.6	2	1.8	4.5	0.8	3.2	102	4	0.48
17HS6425	1.8	60	3	2.5	1.2	2.9	0.8	3.2	102	4	0.48
17HS6423-C	1.8	64	3.17	2.3	1.38	2.57	0.7	3.5	110	4	0.5

17HS 系列(42BYGH)

混合式步进电机
HYBRID STEPPER MOTOR

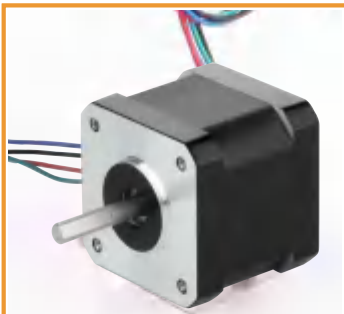


M 机身说明 Motor Length

型号	机身长
17HS0XXX	21mm
17HS3XXX	34mm
17HS4XXX	40mm
17HS5XXX	48mm
17HS6XXX	60mm
17HS6XXX-C	64mm



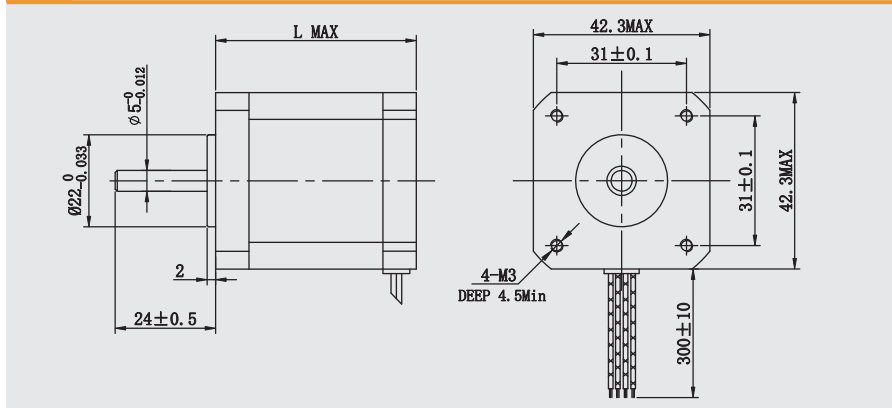
17HM系列 (42BYGHM) 混合式步进电机 HYBRID STEPPER MOTOR



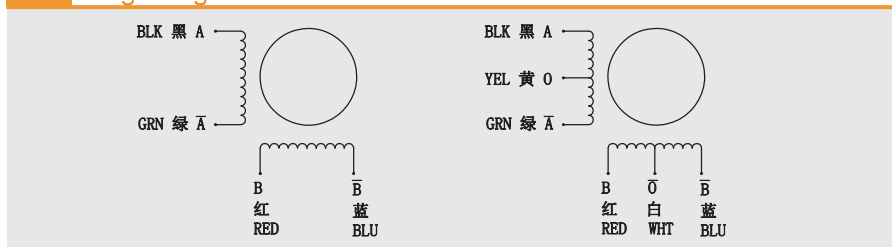
M 机身说明 Motor Length

型号	机身长
17HM3XXX	34mm
17HM4XXX	40mm
17HM5XXX	48mm

M 外型图 Mechanical Dimensions



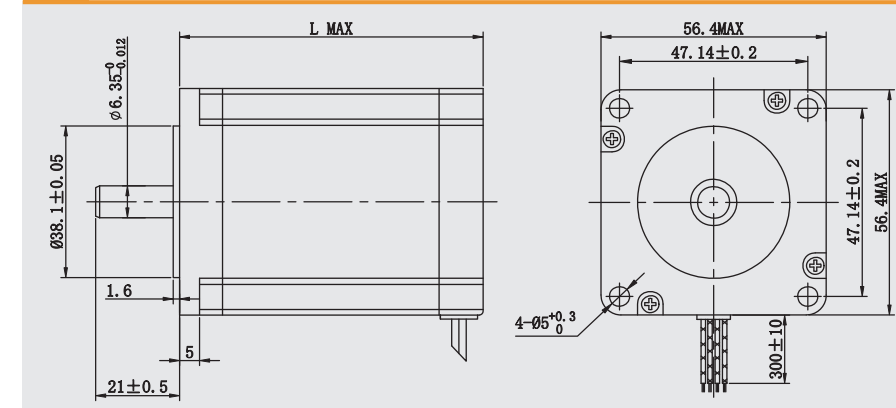
W 接线图 Wiring Diagram



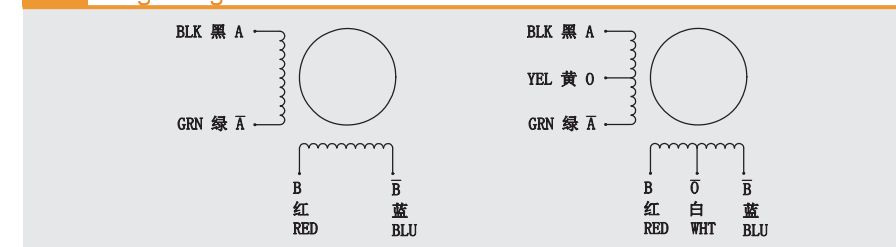
E 技术数据 Electrical Specifications

型号 Series Model	步距角 Step Angle (°)	机身长 Motor Length (mm)	电压 Rated Voltage (V)	电流 Rated Current (A)	电阻 Phase Resistance (Ω)	电感 Phase Inductance (mH)	静力矩 Holding Torque (N.m)	定位力矩 Detent Torque (N.cm Max)	转动惯量 Rotor Torque (g.cm²)	引线数 Lead Wires (NO.)	重量 Motor Weight (g)
17HM3404	0.9	34	9.2	0.4	23	46	0.21	1.6	34	4	0.22
17HM3412	0.9	34	2.5	1.2	2.1	5	0.21	1.6	34	4	0.22
17HM4604	0.9	40	11.2	0.4	28	36	0.3	2.2	54	6	0.28
17HM4417	0.9	40	2.6	1.7	1.5	3.6	0.3	2.2	54	4	0.28
17HM5417	0.9	48	3.06	1.7	1.8	4	0.4	2.8	68	4	0.35
17HM5424	0.9	48	2.04	2.4	0.9	2.2	0.4	2.8	68	4	0.35

M 外型图 Mechanical Dimensions



W 接线图 Wiring Diagram



E 技术数据 Electrical Specifications

型号 Series Model	步距角 Step Angle (°)	机身长 Motor Length (mm)	电压 Rated Voltage (V)	电流 Rated Current (A)	电阻 Phase Resistance (Ω)	电感 Phase Inductance (mH)	静力矩 Holding Torque (N.m)	定位力矩 Detent Torque (N.cm Max)	转动惯量 Rotor Torque (g.cm²)	引线数 Lead Wires (NO.)	重量 Motor Weight (g)
23HS4415	1.8	41	2.85	1.5	1.9	5.4	0.6	2.1	120	4	0.45
23HS4430	1.8	41	1.8	3	0.6	1.4	0.6	2.1	120	4	0.45
23HS5420	1.8	51	2.9	2	1.45	5	0.9	3.6	275	4	0.65
23HS6420	1.8	56	3	2	1.5	5.8	1.26	4	300	4	0.7
23HS6428	1.8	56	2.52	2.8	0.9	3.5	1.26	4	300	4	0.7
23HS6828	1.8	56	2.24	2.8	0.8	1.3	1.26	4	300	8	0.7
23HS6440	1.8	56	2	4	0.5	1.8	1.26	4	300	4	0.7
23HS7430	1.8	64	2.55	3	0.85	2.8	1.5	5	380	4	0.85
23HS8828	1.8	76	3.78	2.8	1.35	2.4	1.9	6.8	480	8	1
23HS8430	1.8	76	3	3	1	4	1.9	6.8	480	4	1
23HS8440	1.8	76	2.4	4	0.6	2.2	1.9	6.8	480	4	1
23HS8450	1.8	76	2.25	5	0.45	1.65	1.9	6.8	480	4	1
23HS9430	1.8	84	3.6	3	1.2	4.9	2.2	7.2	530	4	1.2
23HS9440	1.8	84	3.48	4	0.87	3.1	2.4	7.2	530	4	1.2
23HS1430	1.8	100	4.2	3	1.4	6	2.8	10	680	4	1.5
23HS1442	1.8	100	3.36	4.2	0.8	3	2.8	10	680	4	1.5
23HS2430	1.8	112	4.5	3	1.5	7	3	12	800	4	1.7
23HS2442	1.8	112	3.36	4.2	0.8	3.8	3	12	800	4	1.7
23HS2842	1.8	112	3.78	4.2	0.9	2	3	12	800	8	1.7

23HS系列 (57BYGH) 混合式步进电机 HYBRID STEPPER MOTOR

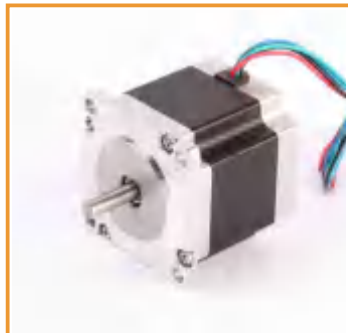


M 机身说明 Motor Length

型号	机身长
23HS4XXX	41mm
23HS5XXX	51mm
23HS6XXX	56mm
23HS7XXX	64mm
23HS8XXX	76mm
23HS9XXX	84mm
23HS1XXX	100mm
23HS2XXX	112mm



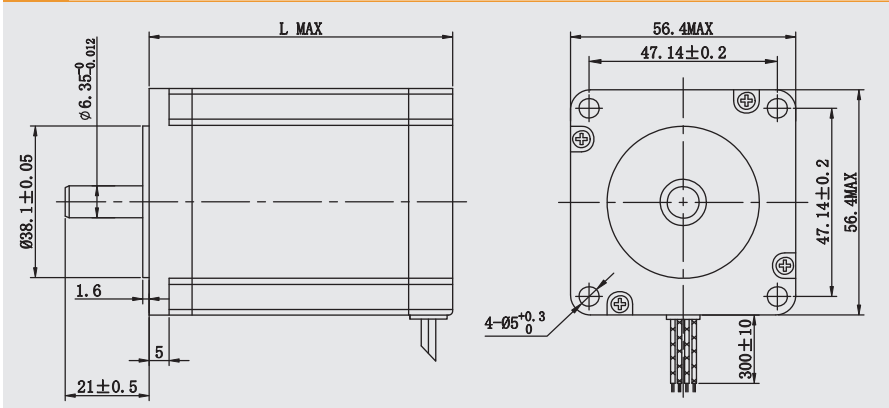
23HM系列 (57BYGHM) 混合式步进电机 HYBRID STEPPER MOTOR



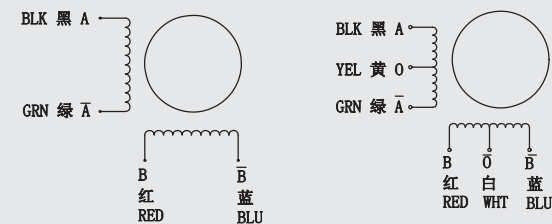
M 机身说明 Motor Length

型号	机身长
23HM4XXX	41mm
23HM5XXX	51mm
23HM6XXX	56mm
23HM7XXX	64mm
23HM8XXX	76mm

M 外型图 Mechanical Dimensions



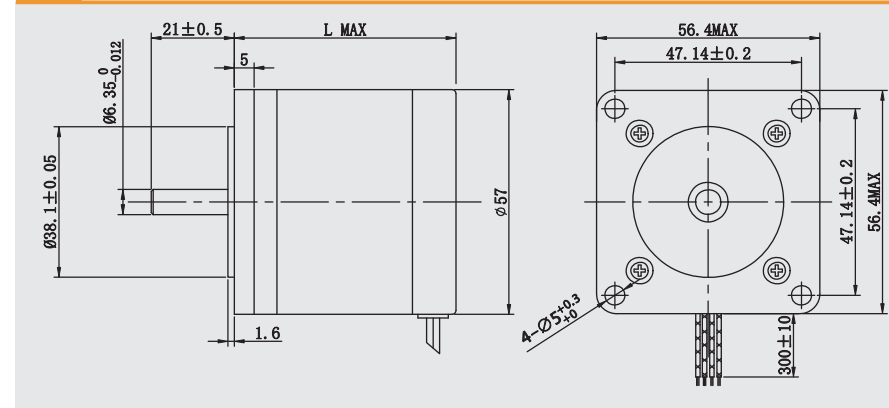
W 接线图 Wiring Diagram



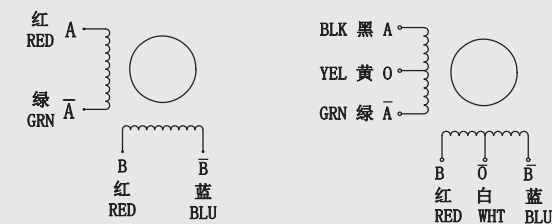
E 技术数据 Electrical Specifications

型号 Series Model	步距角 Step Angle (°)	机身长 Motor Length (mm)	电压 Rated Voltage (V)	电流 Rated Current (A)	电阻 Phase Resistance (Ω)	电感 Phase Inductance (mH)	静力矩 Holding Torque (N. m)	定位力矩 Detent Torque (N.cm Max)	转动惯量 Rotor Torque (g. cm ²)	引线数 Lead Wires (NO.)	重量 Motor Weight (g)
23HM4620	0.9	41	2.4	2	1.2	2.1	0.3	2.1	120	6	0.45
23HM5417	0.9	51	6.8	1.7	4	14	0.9	3.6	275	4	0.6
23HM6610	0.9	56	7	1	7	21	0.9	4	300	6	0.7
23HM6620	0.9	56	2.8	2	1.4	3.2	0.9	4	300	6	0.7
23HM7410	0.9	64	7.8	1.0	7.8	29.2	1.2	5.0	380	4	0.85
23HM7442	0.9	64	1.8	4.2	0.43	1.6	1.2	5.0	380	4	0.85
23HM8430	0.9	76	3	3	1	3.6	1.5	6.8	480	4	1

M 外型图 Mechanical Dimensions



W 接线图 Wiring Diagram



E 技术数据 Electrical Specifications

型号 Series Model	步距角 Step Angle (°)	机身长 Motor Length (mm)	电压 Rated Voltage (V)	电流 Rated Current (A)	电阻 Phase Resistance (Ω)	电感 Phase Inductance (mH)	静力矩 Holding Torque (N. m)	定位力矩 Detent Torque (N.cm Max)	转动惯量 Rotor Torque (g. cm ²)	引线数 Lead Wires (NO.)	重量 Motor Weight (g)
23HY4421	1.8	41	1.89	2.1	0.9	1.9	0.35	3.5	60	4	0.45
23HY5604	1.8	51	12.6	0.42	30	35	0.49	5.5	110	6	0.6
23HY5410	1.8	51	4.4	1	4.4	14	0.6	5.5	110	4	0.6
23HY5418	1.8	51	2.7	1.8	1.5	3.6	0.56	5.5	110	4	0.6
23HY6411	1.8	56	5.8	1.1	5	17.5	0.8	6.5	145	4	0.65
23HY7615	1.8	76	4.8	1.5	3.2	5.5	0.9	9.5	230	6	0.8

23HY系列 (57BYG) 混合式步进电机 HYBRID STEPPER MOTOR



M 机身说明 Motor Length

型号	机身长
23HY4XXX	41mm
23HY5XXX	51mm
23HY6XXX	56mm
23HY7XXX	76mm



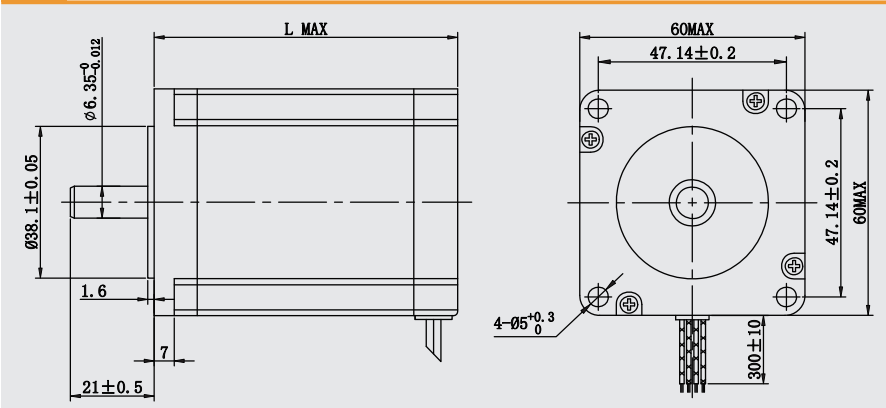
24HS系列 (60BYGH) 混合式步进电机 HYBRID STEPPER MOTOR



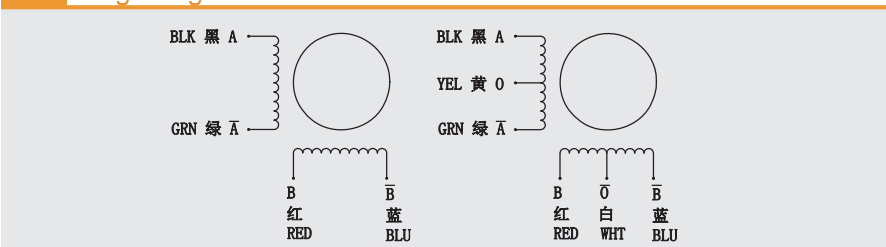
M 机身说明 Motor Length

型号	机身长
24HS4XXX	45mm
24HS5XXX	56mm
24HS6XXX	64mm
24HS7XXX	76mm
24HS9XXX	90mm
24HS1XXX	112mm

M 外型图 Mechanical Dimensions



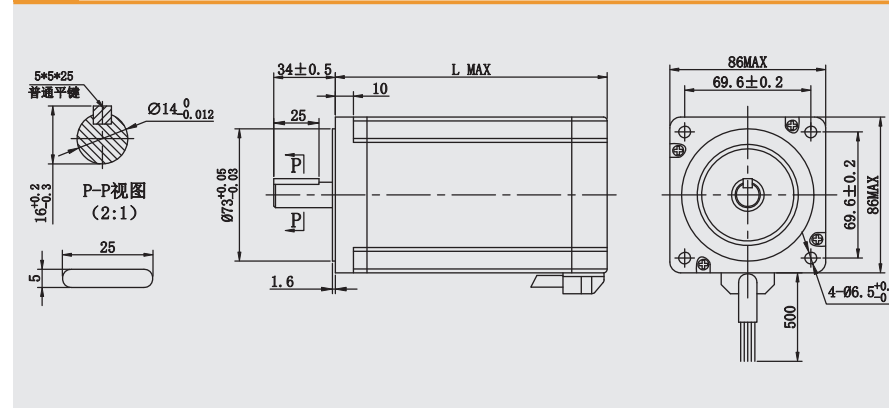
W 接线图 Wiring Diagram



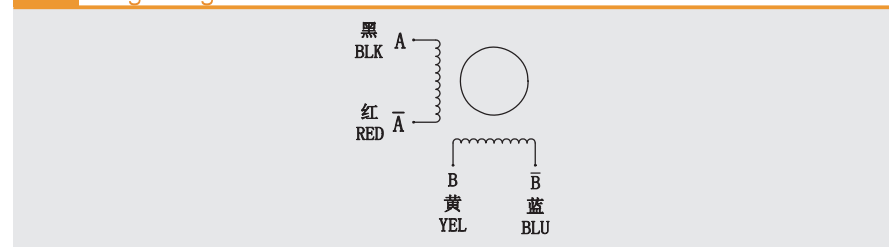
E 技术数据 Electrical Specifications

型号 Series Mode	步距角 Step Angle (°)	机身长 Motor Length (mm)	电压 Rated Voltage (V)	电流 Rated Current (A)	电阻 Phase Resistance (Ω)	电感 Phase Inductance (mH)	静力矩 Holding Torque (N.m)	定位力矩 Detent Torque (N.cm Max)	转动惯量 Rotor Torque (g.cm ²)	引线数 Lead Wires (NO.)	重量 Motor Weight (g)
24HS4425	1.8	45	2.5	2.5	1	2.2	0.85	3.5	200	4	0.55
24HS4830	1.8	45	3.75	3	1.25	0.9	1.1	3.5	200	8	0.55
24HS5430	1.8	56	2.1	3	0.7	2.1	1.4	4	360	4	0.6
24HS6430	1.8	64	2.4	3	0.8	2.3	1.8	5	450	4	0.8
24HS7430	1.8	76	3	3	1	3.5	2.2	7	550	4	1.1
24HS9440	1.8	90	2.4	4	0.6	2.3	2.6	12	780	4	1.4
24HS1465	1.8	112	3.25	6.5	0.6	2.5	4	18	1100	4	1.8

M 外型图 Mechanical Dimensions



W 接线图 Wiring Diagram



E 技术数据 Electrical Specifications

型号 Series Mode	步距角 Step Angle (°)	机身长 Motor Length (mm)	电压 Rated Voltage (V)	电流 Rated Current (A)	电阻 Phase Resistance (Ω)	电感 Phase Inductance (mH)	静力矩 Holding Torque (N.m)	定位力矩 Detent Torque (N.cm Max)	转动惯量 Rotor Torque (g.cm ²)	引线数 Lead Wires (NO.)	重量 Motor Weight (g)
34HS6440	1.8	66	1.68	4	0.42	2.3	3.5	5.5	1000	4	1.7
34HS7440	1.8	78	1.36	4	0.34	2.86	4.5	6.5	1400	4	2.3
34HS8460	1.8	80	2.1	6	0.35	3.6	5.5	6.5	1400	4	2.5
34HS9440	1.8	98	2	4	0.5	4.97	6	9.5	1700	4	3
34HS1450	1.8	114	2.1	5	0.42	4	8	12.5	2200	4	3.8
34HS1460	1.8	114	3	6	0.3	3.7	8.5	12.5	2200	4	3.8
34HS2460-D	1.8	118	3.24	6	0.54	7.2	8.5	14.5	2500	4	3.8
34HS2460	1.8	126	2.58	6	0.43	5.5	11	18.5	2700	4	4
34HS5435	1.8	150	5.6	3.5	1.7	21	13.5	24.5	3600	4	5
34HS5460	1.8	150	3.6	6	0.6	8	13.5	24.5	3600	4	5

34HS系列 (86BYGH) 混合式步进电机 HYBRID STEPPER MOTOR

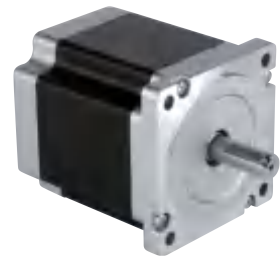


M 机身说明 Motor Length

型号	机身长
34HS6XXX	66mm
34HS7XXX	78mm
34HS8XXX	80mm
34HS9XXX	98mm
34HS1XXX	114mm
34HS2XXX-D	118mm
34HS2XXX	126mm
34HS5XXX	150mm



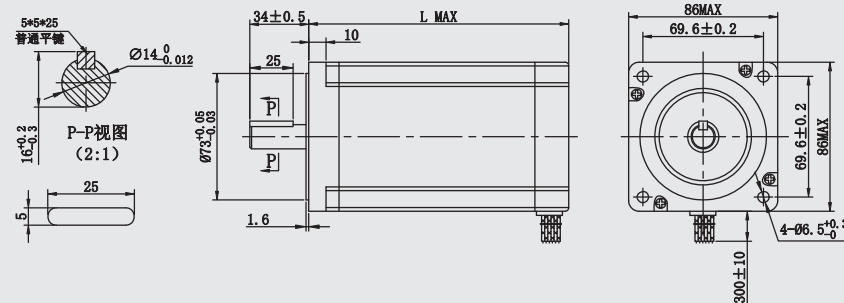
34HM系列(86BYGHM) 混合式步进电机 HYBRID STEPPER MOTOR



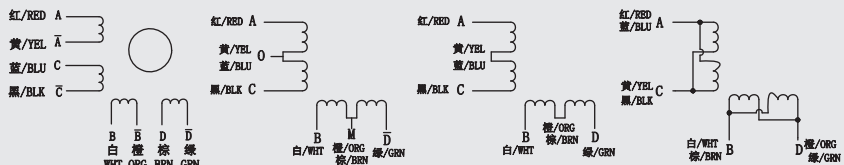
M 机身说明 Motor Length

型号	机身长
34HM6XXX	66mm
34HM7XXX	78mm
34HM9XXX	98mm
34HM1XXX	114mm
34HM2XXX	126mm
34HM5XXX	150mm

M 外型图 Mechanical Dimensions



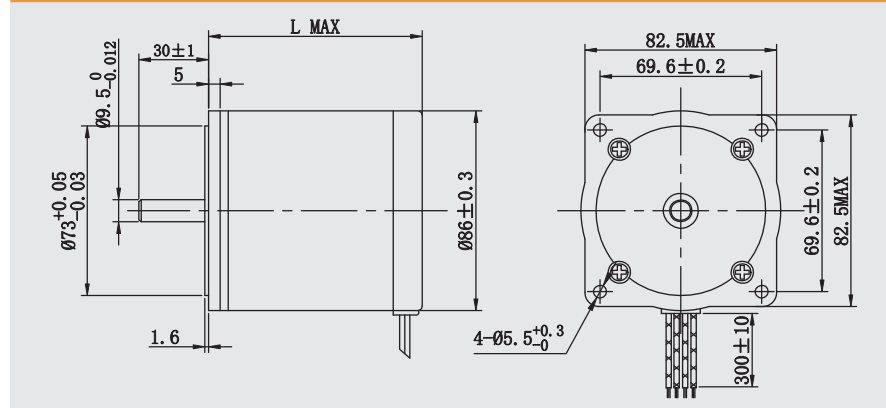
W 接线图 Wiring Diagram



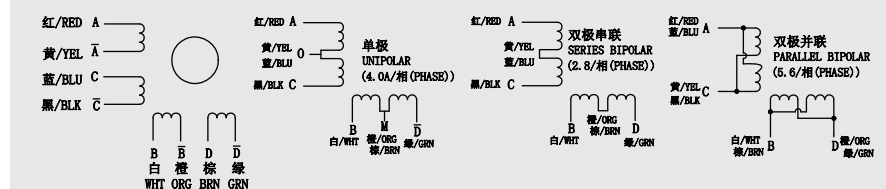
E 技术数据 Electrical Specifications

型号 Series Mode	步距角 Step Angle (°)	机身长 Motor Length (mm)	电压 Rated Voltage (V)	电流 Rated Current (A)	电阻 Phase Resistance (Ω)	电感 Phase Inductance (mH)	静力矩 Holding Torque (N. m)	定位力矩 Detent Torque (N.cm Max)	转动惯量 Rotor Torque (g. cm ²)	引线数 Lead Wires (NO.)	重量 Motor Weight (g)
34HM6827	0.9	66	3.24	2.7	1.2	3.5	2	5	850	8	2
34HM6840	0.9	66	2	4	0.5	2	2.5	5	850	8	2
34HM7827	0.9	78	4.32	2.7	1.6	5.6	2.7	5.8	1050	8	2.5
34HM7840	0.9	78	2.8	4	0.7	3	2.7	5.8	1050	8	2.5
34HM9840	0.9	98	2.8	4	0.7	4.55	4.5	8.5	1550	8	3
34HM9850	0.9	98	2.5	5	0.5	2.4	4.5	8.5	1550	8	3
34HM1827	0.9	114	5.4	2.7	2	11.5	5.2	11	1800	8	3.8
34HM1840	0.9	114	4.4	4	1.1	5.5	5.2	11	1800	8	3.8
34HM2827	0.9	126	6.75	2.7	2.5	12.5	5.8	16.5	2200	8	4
34HM2840	0.9	126	5.2	4	1.3	5.8	5.8	16.5	2200	8	4
34HM5827	0.9	150	7.83	2.7	2.9	17.5	7.8	20.5	2500	8	5

M 外型图 Mechanical Dimensions



W 接线图 Wiring Diagram



E 技术数据 Electrical Specifications

型号 Series Mode	步距角 Step Angle (°)	机身长 Motor Length (mm)	电压 Rated Voltage (V)	电流 Rated Current (A)	电阻 Phase Resistance (Ω)	电感 Phase Inductance (mH)	静力矩 Holding Torque (N. m)	定位力矩 Detent Torque (N.cm Max)	转动惯量 Rotor Torque (g. cm ²)	引线数 Lead Wires (NO.)	重量 Motor Weight (g)
34HY6429	1.8	63	2.61	2.9	0.9	7	2	0.8	640	4	2
34HY6459	1.8	63	1.36	5.9	0.23	1.5	2	0.8	640	4	2
34HY6830	1.8	63	3	3	1	4.5	2	0.8	640	8	2
34HY9840	1.8	92	3	4	0.75	4.5	4.6	1.5	1400	8	2.6
34HY9440	1.8	92	2.8	4	0.7	9.8	4.1	1.5	1400	4	2.6
34HY9846	1.8	92	2.3	4.6	0.5	2.6	4.6	1.5	1400	8	2.6
34HY1840	1.8	122	4	4	1	6	5	2.5	1600	8	3.8

34HY系列(86BYG) 混合式步进电机 HYBRID STEPPER MOTOR



M 机身说明 Motor Length

型号	机身长
34HY6XXX	63mm
34HY9XXX	92mm
34HY1XXX	122mm



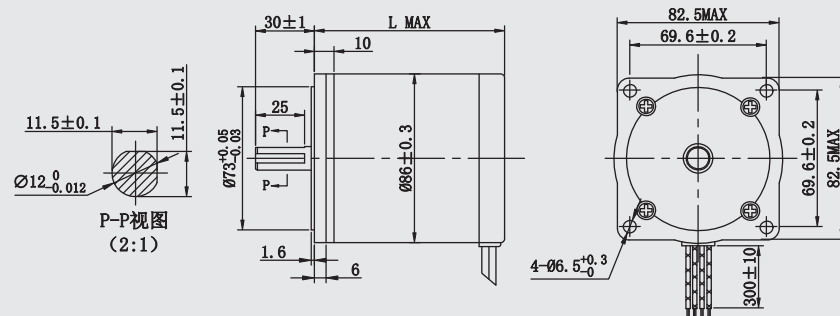
34HD系列 (86BYX) 混合式步进电机 HYBRID STEPPER MOTOR



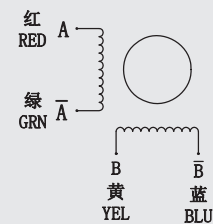
M 机身说明 Motor Length

型号	机身长
34HD6XXX	66mm
34HD9XXX	97mm
34HD1XXX	129mm

M 外型图 Mechanical Dimensions



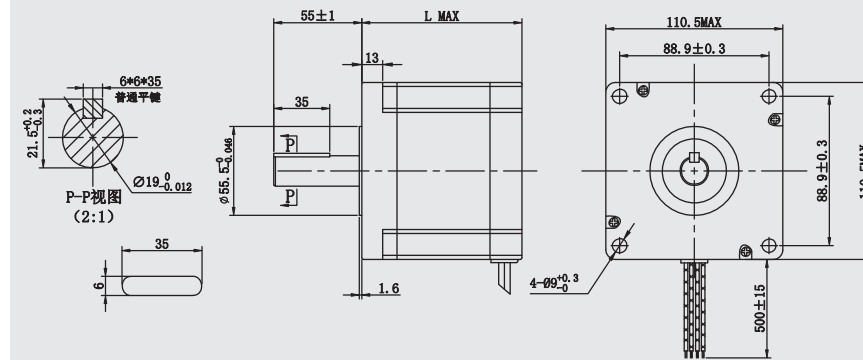
W 接线图 Wiring Diagram



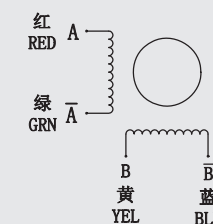
E 技术数据 Electrical Specifications

型号 Series Mode	步距角 Step Angle (°)	机身长 Motor Length (mm)	电压 Rated Voltage (V)	电流 Rated Current (A)	电阻 Phase Resistance (Ω)	电感 Phase Inductance (mH)	静力矩 Holding Torque (N.m)	定位力矩 Detent Torque (N.cm Max)	转动惯量 Rotor Torque (g.cm²)	引线数 Lead Wires (NO.)	重量 Motor Weight (g)
34HD6620	1.8	66	4	2	2	6	2.3	0.85	660	6	1.6
34HD9416	1.8	97	6.27	1.65	3	24	5.2	1.3	1200	4	2.5
34HD9430	1.8	97	3.9	3	1.3	7.5	5.2	1.3	1200	4	2.5
34HD9440	1.8	97	3.2	4	0.8	5.2	5.2	1.3	1200	4	2.5
34HD1440	1.8	129	2	4	0.5	4.3	7.6	2.3	1800	4	3.6
34HD1860	1.8	129	5.4	6	0.9	4.1	7.6	2.3	1800	8	3.6

M 外型图 Mechanical Dimensions



W 接线图 Wiring Diagram



E 技术数据 Electrical Specifications

型号 Series Mode	步距角 Step Angle (°)	机身长 Motor Length (mm)	电压 Rated Voltage (V)	电流 Rated Current (A)	电阻 Phase Resistance (Ω)	电感 Phase Inductance (mH)	静力矩 Holding Torque (N.m)	定位力矩 Detent Torque (N.cm Max)	转动惯量 Rotor Torque (g.cm²)	引线数 Lead Wires (NO.)	重量 Motor Weight (g)
42HS9460	1.8	100	3	6	0.5	6	12.5	30	5500	4	5
42HS0460	1.8	115	3	6	0.5	8	15	35	7200	4	6
42HS1460	1.8	150	4.8	6	0.8	18	23	59	10900	4	8.4
42HS2480	1.8	201	5.6	8	0.7	13	28	95	16200	4	11.7

42HS系列 (110BYGH) 混合式步进电机 HYBRID STEPPER MOTOR



M 机身说明 Motor Length

型号	机身长
42HS9XXX	100mm
42HS0XXX	115mm
42HS1XXX	150mm
42HS2XXX	201mm



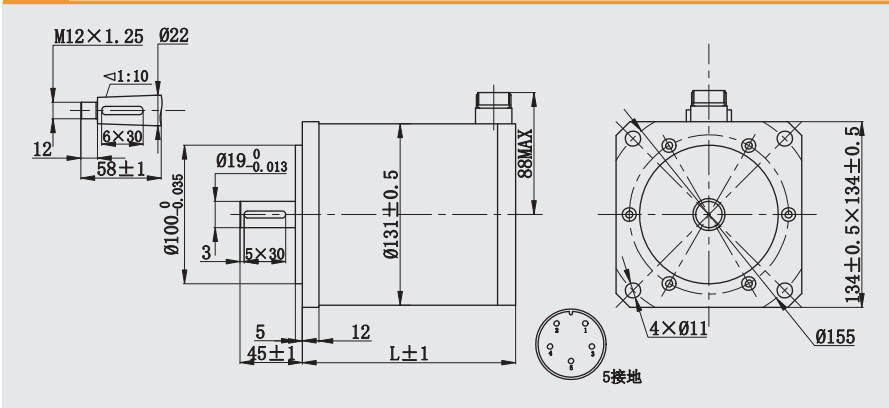
52HS系列 (130BYGH) 混合式步进电机 HYBRID STEPPER MOTOR



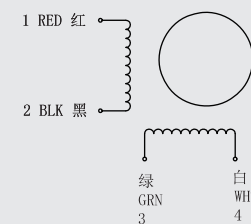
M 机身说明 Motor Length

型号	机身长
52HS1XXX	199mm
52HS2XXX	226mm
52HS3XXX	282mm

M 外型图 Mechanical Dimensions



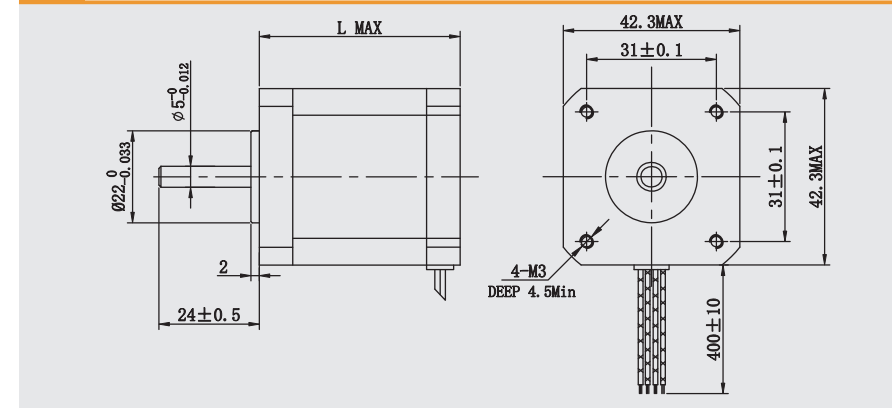
W 接线图 Wiring Diagram



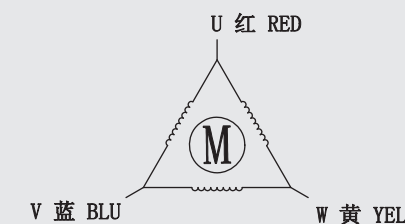
E 技术数据 Electrical Specifications

型号 Series Mode	步距角 Step Angle (°)	机身长 Motor Length (mm)	电压 Rated Voltage (V)	电流 Rated Current (A)	电阻 Phase Resistance (Ω)	电感 Phase Inductance (mH)	静力矩 Holding Torque (N. m)	转动惯量 Rotor Torque (g. cm ²)	引线数 Lead Wires (NO.)	重量 Motor Weight (g)
52HS1460	1.8	199	4.5	6	0.75	12	25	30	4	16
52HS2460	1.8	226	5.16	6	0.86	12.5	27	35	4	18
52HS3460	1.8	282	3.96	6	0.66	9	37	45.5	4	22

M 外型图 Mechanical Dimensions



W 接线图 Wiring Diagram



E 技术数据 Electrical Specifications

型号 Series Mode	步距角 Step Angle (°)	机身长 Motor Length (mm)	电压 Rated Voltage (V)	电流 Rated Current (A)	电阻 Phase Resistance (Ω)	电感 Phase Inductance (mH)	静力矩 Holding Torque (N. m)	定位力矩 Detent Torque (N.cm Max)	转动惯量 Rotor Torque (g. cm ²)	引线数 Lead Wires (NO.)	重量 Motor Weight (g)
17HT3315	1.2	35	1.4	1.5	0.95	1.4	0.16	1.6	35	3	0.22
17HT4315	1.2	40	1.9	1.5	1.26	1.7	0.22	2.2	54	3	0.28
17HT5315	1.2	50	2.1	1.5	1.45	1.5	0.32	2.8	68	3	0.35

17HT系列 混合式步进电机 HYBRID STEPPER MOTOR



M 机身说明 Motor Length

型号	机身长
17HT3XXX	35mm
17HT4XXX	40mm
17HT5XXX	50mm

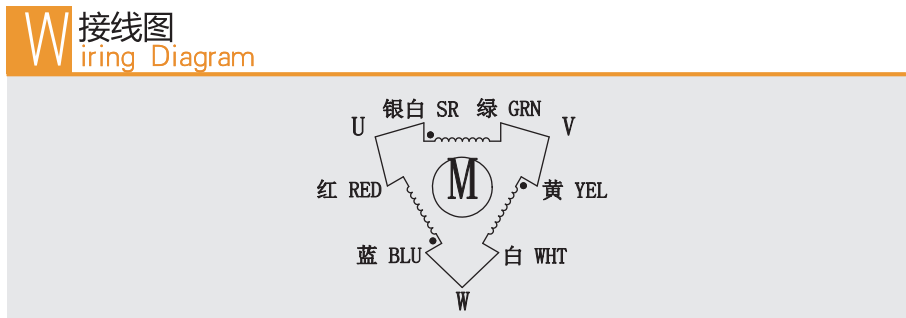
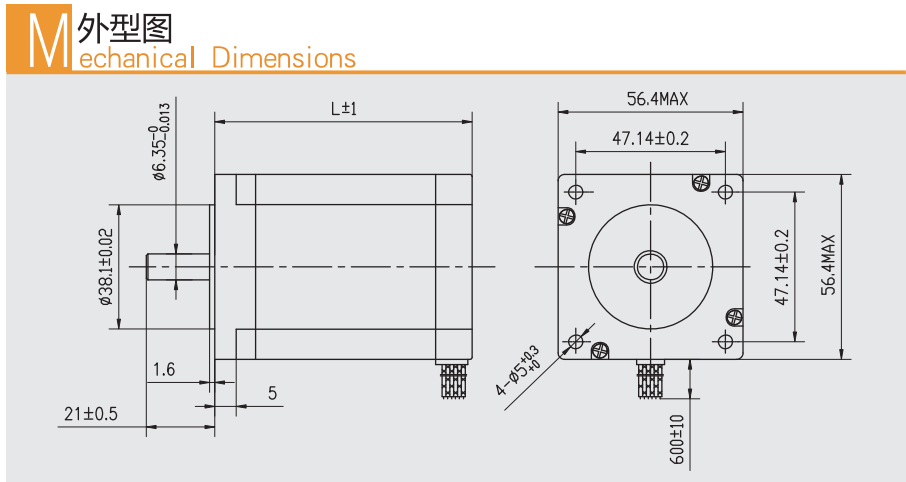


23HT系列
混合式步进电机
HYBRID STEPPER MOTOR



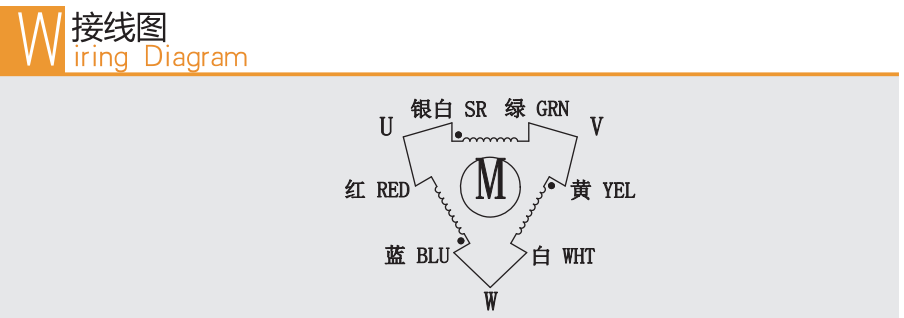
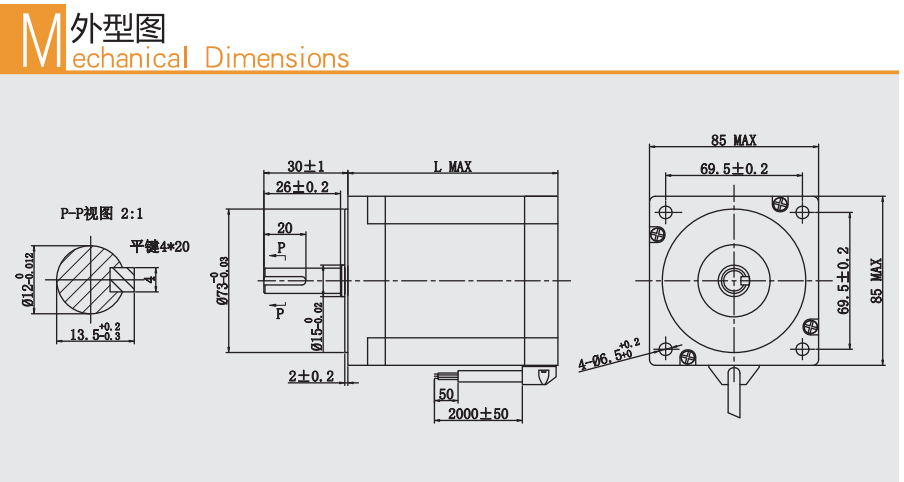
M 机身说明
Motor Length

型号	机身长
23HT4XXX	42mm
23HT5XXX	56mm
23HT7XXX	79mm



E 技术数据
Electrical Specifications

型号 Series Mode	步距角 Step Angle (°)	机身长 Motor Length (mm)	电压 Rated Voltage (V)	电流 Rated Current (A)	电阻 Phase Resistance (Ω)	电感 Phase Inductance (mH)	静力矩 Holding Torque (N. m)	定位力矩 Detent Torque (N.cm Max)	转动惯量 Rotor Torque (g.cm²)	引线数 Lead Wires (NO.)	重量 Motor Weight (g)
23HT4352-N	1.2	42.5	1.25	5.2	0.24	0.3	0.45	2.1	100	3	0.45
23HT5356	1.2	53.5	2.52	5.6	0.45	1.1	0.9	4	300	3	0.75
23HT5656	1.2	56	4.76	5.6	0.86	1.7	0.9	4	300	6	0.75
23HT7358	1.2	76.5	1.68	5.8	0.6	1.8	1.5	6.8	480	3	1.1
23HT7658	1.2	79	6.96	5.8	1.2	2.8	1.5	6.8	480	6	1.1



E 技术数据
Electrical Specifications

型号 Series Mode	步距角 Step Angle (°)	机身长 Motor Length (mm)	电压 Rated Voltage (V)	电流 Rated Current (A)	电阻 Phase Resistance (Ω)	电感 Phase Inductance (mH)	静力矩 Holding Torque (N. m)	定位力矩 Detent Torque (N.cm Max)	转动惯量 Rotor Torque (g.cm²)	引线数 Lead Wires (NO.)	重量 Motor Weight (g)
34HT9320-N	1.2	97	9.3	2	4.65	14.6	4	15	2400	3	2.8
34HT0340-N	1.2	105	4.16	4	1.04	8.5	4	20	2700	3	3
34HT2330-N	1.2	125	6	3	2	8	6	30	3480	3	3.8
34HT4332-N	1.2	145	8.32	3.2	2.6	9.57	8.5	30	4560	3	4.7

34HT系列
混合式步进电机
HYBRID STEPPER MOTOR



M 机身说明
Motor Length

型号	机身长
34HT9XXX-N	97mm
34HT0XXX-N	105mm
34HT2XXX-N	125mm
34HT4XXX-N	145mm

* 以上仅为代表性产品,派生产品可根据客户要求制作。 We can manufacture products according to customer's requirement.

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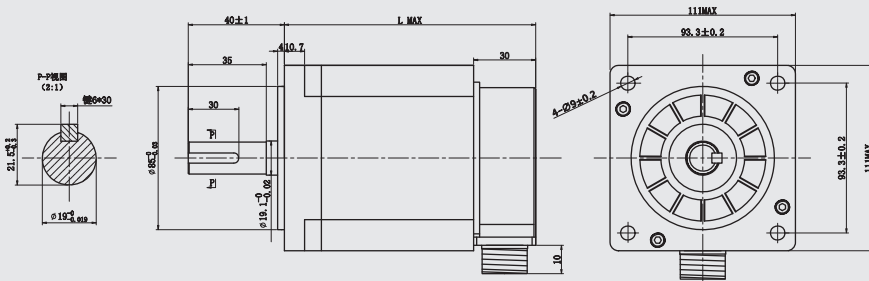
42HT系列 混合式步进电机 HYBRID STEPPER MOTOR



M 机身说明 Motor Length

型号	机身长
42HT3XXX-N	127mm
42HT5XXX-N	151mm
42HT8XXX-N	185mm
42HT2XXX-N	219mm

M 外型图 Mechanical Dimensions



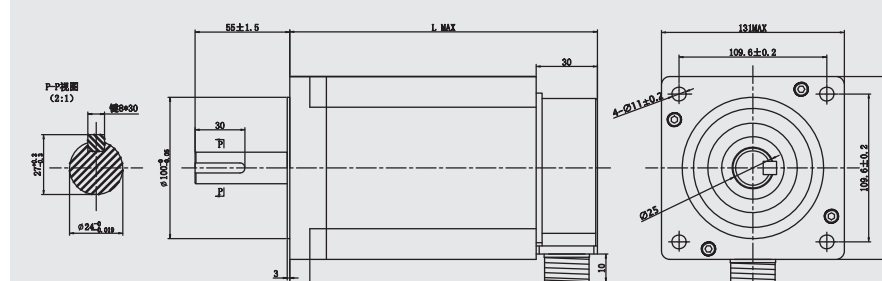
W 接线图 Wiring Diagram



E 技术数据 Electrical Specifications

型号 Series Mode	步距角 Step Angle (°)	机身长 Motor Length (mm)	电压 Rated Voltage (V)	电流 Rated Current (A)	电阻 Phase Resistance (Ω)	电感 Phase Inductance (mH)	静力矩 Holding Torque (N.m)	定位力矩 Detent Torque (N.cm Max)	转动惯量 Rotor Torque (g.cm²)	引线数 Lead Wires (NO.)	重量 Motor Weight (g)
42HT3343-N	1.2	127	4.47	4.3	1.04	4.3	8	0.3	6000	3	5
42HT5360-N	1.2	151	3.6	6	0.6	2.67	12	0.59	9720	3	6.3
42HT8364-N	1.2	185	4.48	6.4	0.7	2.96	16	0.95	13560	6	8.5
42HT2369-N	1.2	219	3.93	6.9	0.57	2.46	20	1.05	17400	3	10.7

M 外型图 Mechanical Dimensions



W 接线图 Wiring Diagram



E 技术数据 Electrical Specifications

型号 Series Mode	步距角 Step Angle (°)	机身长 Motor Length (mm)	电压 Rated Voltage (V)	电流 Rated Current (A)	电阻 Phase Resistance (Ω)	电感 Phase Inductance (mH)	静力矩 Holding Torque (N.m)	转动惯量 Rotor Torque (g.cm²)	引线数 Lead Wires (NO.)	重量 Motor Weight (g)
50HT9369-N	1.2	190	4.97	6.9	0.72	4.7	20	26700	3	14
50HT2369-N	1.2	222	6.56	6.9	0.95	6.1	28	33970	3	17
50HT5369-N	1.2	254	7.59	6.9	1.1	7.4	35	41240	3	20
50HT3369-N	1.2	318	9.66	6.9	1.4	9.82	50	55780	3	26

50HT系列 混合式步进电机 HYBRID STEPPER MOTOR



M 机身说明 Motor Length

型号	机身长
50HT9XXX-N	190mm
50HT2XXX-N	222mm
50HT5XXX-N	254mm
50HT3XXX-N	318mm



Hybrid Closed-loop Stepper Motor

混合式闭环步进电机



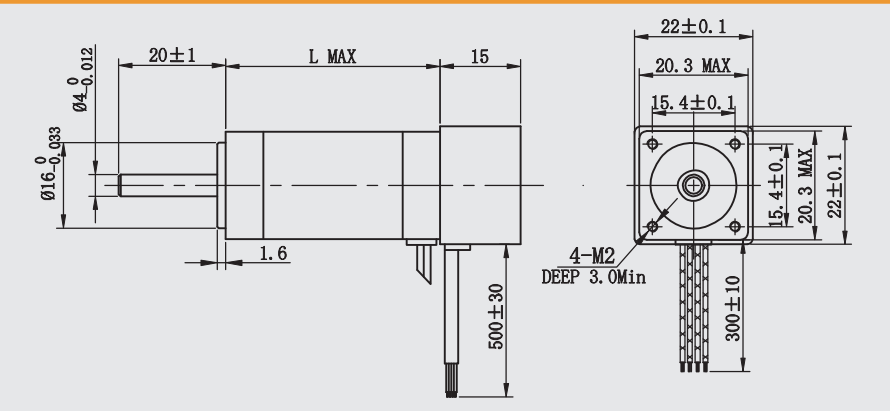
8SSM 系列
混合式闭环步进电机
Hybrid closed-loop stepper motor



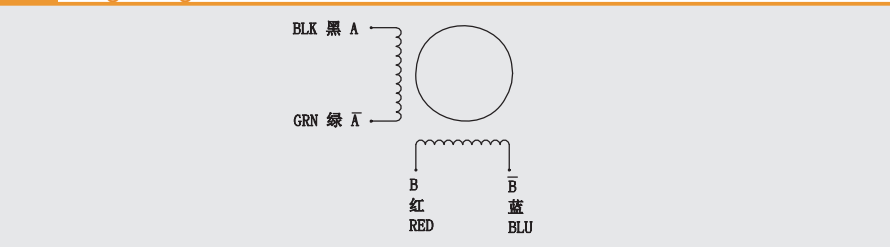
M 机身说明
Motor Length

型号	机身长
8SSM2XXX	28mm
8SSM3XXX	34mm
8SSM4XXX	40mm
8SSM5XXX	46.5mm

M 外型图
Mechanical Dimensions



W 接线图
Wiring Diagram



E 技术数据
Electrical Specifications

型号 Series Model	步距角 Step Angle (°)	机身长 Motor Length (mm)	电压 Rated Voltage (V)	电流 Rated Current (A)	电阻 Phase Resistance (Ω)	电感 Phase Inductance (mH)	静力矩 Holding Torque (N.cm)	定位力矩 Detent Torque (N.cm Max)	转动惯量 Rotor Torque (g.cm²)	引线数 Lead Wires (NO.)
8SSM2402-EC1000	1.8	28	4.4	0.2	22	7	1.4	0.2	2.5	4
8SSM3406-EC1000	1.8	34	2.7	0.6	4.5	2	1.8	0.3	3.2	4
8SSM4406-EC1000	1.8	40	3.3	0.6	5.5	2.3	2.6	0.5	4.5	4
8SSM5409-EC1000	1.8	46.5	3.33	0.7	3.7	2.4	5.7	0.6	5.2	4

* 以上仅为代表性产品,派生产品可根据客户要求制作。 We can manufacture products according to customer's requirement.



11SSM 系列

混合式闭环步进电机
Hybrid closed-loop stepper motor



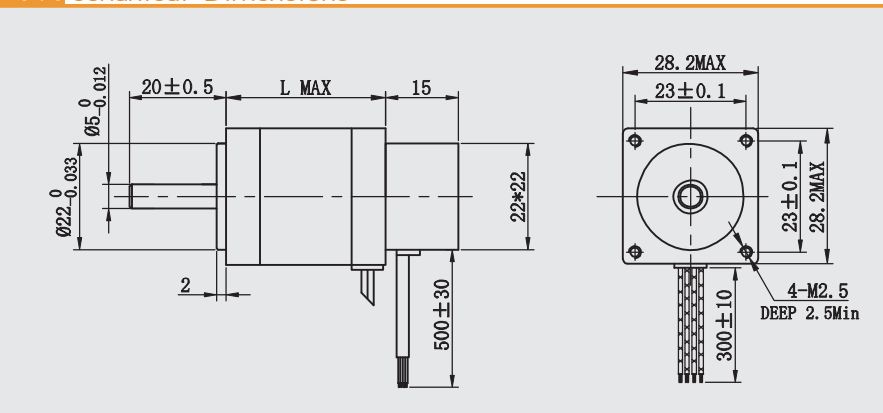
M 机身说明

Motor Length

型号	机身长
11SSM2XXX	28mm
11SSM3XXX	32mm
11SSM4XXX	40mm
11SSM7XXX	44mm
11SSM5XXX	50mm

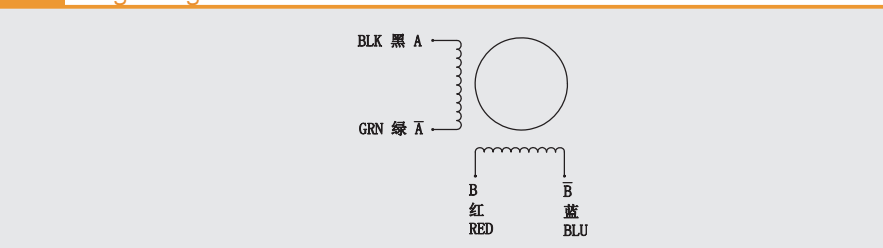
M 外型图

Mechanical Dimensions



W 接线图

Wiring Diagram



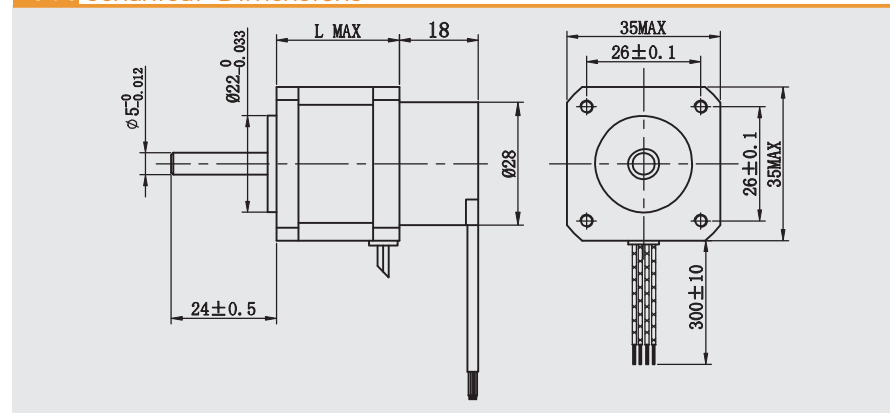
E 技术数据

Electrical Specifications

型号 Series Mode	步距角 Step Angle (°)	机身长 Motor Length (mm)	电压 Rated Voltage (V)	电流 Rated Current (A)	电阻 Phase Resistance (Ω)	电感 Phase Inductance (mH)	静力矩 Holding Torque (N.cm)	定位力矩 Detent Torque (N.cm Max)	转动惯量 Rotor Torque (g.cm²)	引线数 Lead Wires (NO.)
11SSM2406-EC1000	1.8	28	2.52	0.6	4.2	2.2	4.5	0.3	6	4
11SSM3406-EC1000	1.8	32	3.8	0.67	5.6	3.8	6	0.4	9	4
11SSM4406-EC1000	1.8	40	4.2	0.6	7	8	6	0.5	11	4
11SSM7406-EC1000	1.8	44	3.68	0.67	5.5	6.5	7	0.6	12	4
11SSM5406-EC1000	1.8	50	6.2	0.67	9.2	8.9	12	0.8	18	4
11SSM5609-EC1000	1.8	50	4.37	0.95	4.6	1.8	9	0.8	18	6

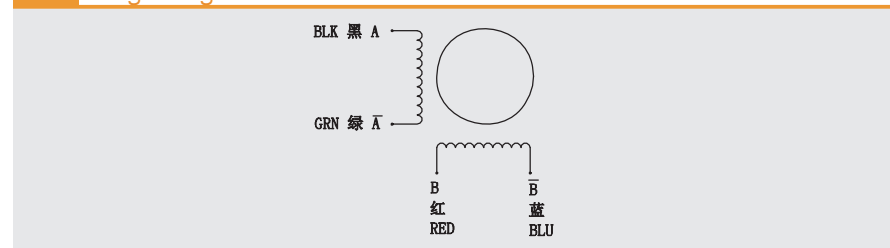
M 外型图

Mechanical Dimensions



W 接线图

Wiring Diagram



E 技术数据

Electrical Specifications

型号 Series Mode	步距角 Step Angle (°)	机身长 Motor Length (mm)	电压 Rated Voltage (V)	电流 Rated Current (A)	电阻 Phase Resistance (Ω)	电感 Phase Inductance (mH)	静力矩 Holding Torque (N.m)	定位力矩 Detent Torque (N.cm Max)	转动惯量 Rotor Torque (g.cm²)	引线数 Lead Wires (NO.)	重量 Motor Weight (g)
14SSM1404-EC1000	1.8	20	10.8	0.4	27	17	0.06	0.5	8	4	100
14SSM0604-EC1000	1.8	26	10	0.4	25	11	0.07	0.6	11	6	110
14SSM2603-EC1000	1.8	28	12	0.3	40	19	0.08	0.8	11	6	120
14SSM2410-EC1000	1.8	28	3	1	3	4	0.12	0.8	11	4	140
14SSM3408-EC1000	1.8	34	5.6	0.8	7	13	0.18	1	13	4	160
14SSM3412-EC1000	1.8	34	3.12	1.2	2.6	5	0.18	1	13	4	160
14SSM5412-EC1000	1.8	52	3.96	1.2	3.3	8	0.4	2	26	4	220

14SSM 系列

混合式闭环步进电机
Hybrid closed-loop stepper motor



M 机身说明

Motor Length

型号	机身长
14SSM1XXX	20mm
14SSM0XXX	26mm
14SSM2XXX	28mm
14SSM3XXX	34mm
14SSM5XXX	52mm



17SSM 系列

混合式闭环步进电机
Hybrid closed-loop stepper motor



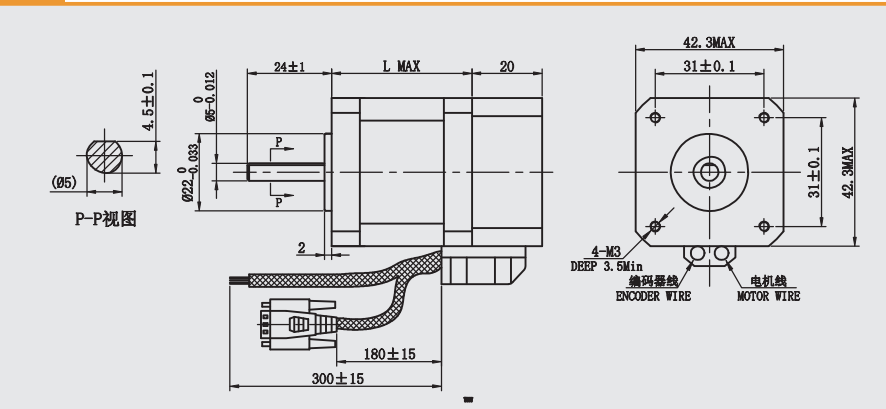
M 机身说明

Motor Length

型号	机身长
17SSM3XXX	34mm
17SSM4XXX	40mm
17SSM5XXX	48mm
17SSM6XXX	60mm

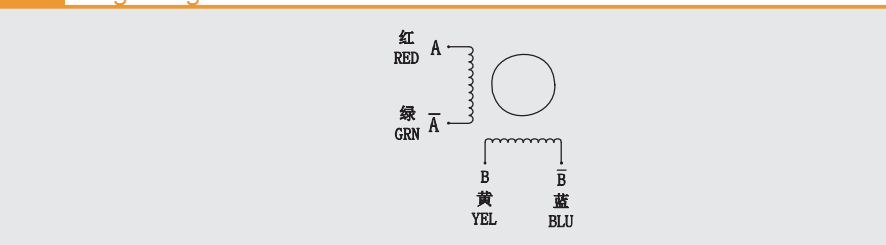
M 外型图

Mechanical Dimensions



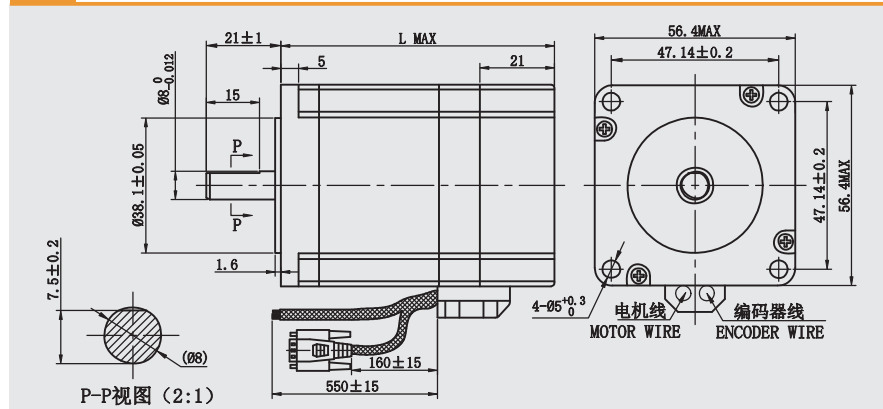
W 接线图

Wiring Diagram



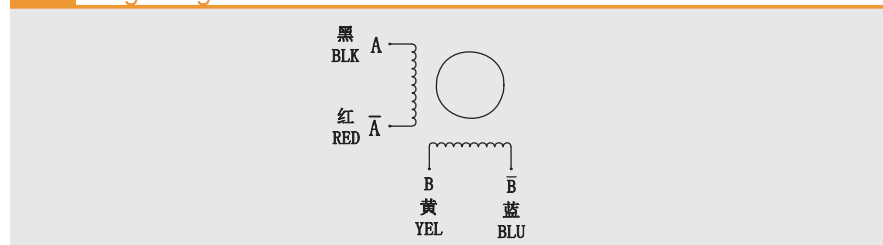
M 外型图

Mechanical Dimensions



W 接线图

Wiring Diagram



23SSM 系列

混合式闭环步进电机
Hybrid closed-loop stepper motor



M 机身说明

Motor Length

型号	机身长
23SSM6XXX	56mm
23SSM8XXX	80mm
23SSM2XXX	112mm

E 技术数据

Electrical Specifications

型号 Series Mode	步距角 Step Angle (°)	机身长 Motor Length (mm)	电压 Rated Voltage (V)	电流 Rated Current (A)	电阻 Phase Resistance (Ω)	电感 Phase Inductance (mH)	静力矩 Holding Torque (N.m)	定位力矩 Detent Torque (N.cm Max)	转动惯量 Rotor Torque (g.cm²)	引线数 Lead Wires (NO.)
17SSM3404-EC1000	1.8	34	12	0.4	30	38	0.28	1.6	35	4
17SSM3413-EC1000	1.8	34	3.25	1.3	2.5	3	0.28	1.6	35	4
17SSM4413-EC1000	1.8	40	3.25	1.3	2.5	5	0.5	2.2	54	4
17SSM4417-EC1000	1.8	40	2.55	1.7	1.5	2.8	0.5	2.2	54	4
17SSM5412-EC1000	1.8	48	3.6	1.2	3	5.5	0.58	2.8	68	4
17SSM5417-EC1000	1.8	48	3	1.68	1.8	3.2	0.58	2.8	68	4
17SSM5425-EC1000	1.8	48	3	2.5	1.2	1.9	0.58	2.8	68	4
17SSM6420-EC1000	1.8	60	3.6	2	1.8	4.5	0.8	3.2	102	4
17SSM6425-EC1000	1.8	60	3	2.5	1.2	2.9	0.8	3.2	102	4

E 技术数据

Electrical Specifications

型号 Series Mode	步距角 Step Angle (°)	机身长 Motor Length (mm)	电压 Rated Voltage (V)	电流 Rated Current (A)	电阻 Phase Resistance (Ω)	电感 Phase Inductance (mH)	静力矩 Holding Torque (N.m)	定位力矩 Detent Torque (N.cm Max)	转动惯量 Rotor Torque (g.cm²)	引线数 Lead Wires (NO.)	重量 Motor Weight (Kg)
23SSM6440-EC1000	1.8	56	1.6	4	0.4	1.3	1.3	4	300	4	0.9
23SSM8440-EC1000	1.8	80	2.4	4	0.6	3	2.1	6.8	480	4	1.3
23SSM2440-EC1000	1.8	112	3.2	4	0.8	3.8	3	12	800	4	1.9



24SSM 系列

混合式闭环步进电机
Hybrid closed-loop stepper motor



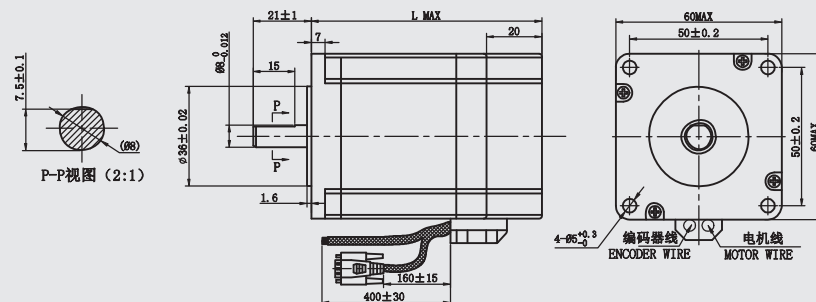
M 机身说明

Motor Length

型号	机身长
24SSM4XXX	45mm
24SSM5XXX	56mm
24SSM6XXX	64mm
24SSM7XXX	76mm
24SSM9XXX	90mm
24SSM1XXX	112mm

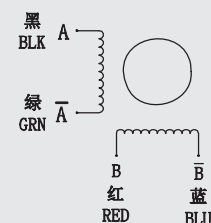
M 外型图

Technical Dimensions



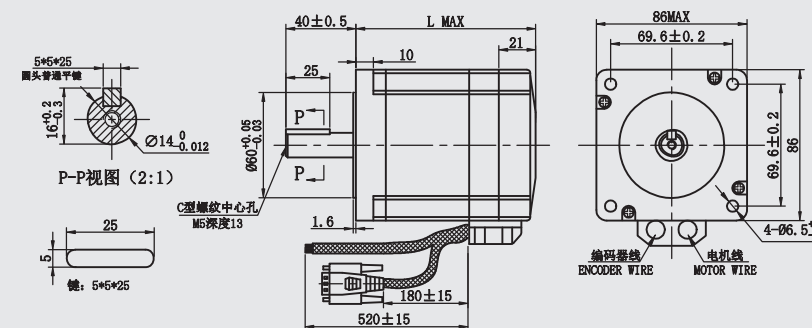
W 接线图

Wiring Diagram



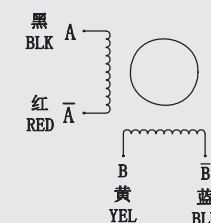
M 外型图

Technical Dimensions



W 接线图

Wiring Diagram



34SSM 系列

混合式闭环步进电机
Hybrid closed-loop stepper motor



M 机身说明

Motor Length

型号	机身长
34SSM8XXX	81mm
34SSM9XXX	100mm
34SSM1XXX	121mm
34SSM5XXX	150mm

E 技术数据

Electrical Specifications

型号 Series Mode	步距角 Step Angle (°)	机身长 Motor Length (mm)	电压 Rated Voltage (V)	电流 Rated Current (A)	电阻 Phase Resistance (Ω)	电感 Phase Inductance (mH)	静力矩 Holding Torque (N·m)	定位力矩 Detent Torque (N·cm Max)	转动惯量 Rotor Torque (g·cm²)	引线数 Lead Wires (NO.)	重量 Motor Weight (Kg)
34SSM8460-EC1000	1.8	81	1.56	6	0.26	2	5	6.5	1400	4	3.6
34SSM9460-EC1000	1.8	100	1.98	6	0.33	2.5	7.5	9.5	1700	4	4.2
34SSM1460-EC1000	1.8	121	2.4	6	0.4	3.7	9	12.5	2300	4	5
34SSM5460-EC1000	1.8	150	3.6	6	0.6	8.1	13.5	24.5	3600	4	6.2

E 技术数据

Electrical Specifications

型号 Series Mode	步距角 Step Angle (°)	机身长 Motor Length (mm)	电压 Rated Voltage (V)	电流 Rated Current (A)	电阻 Phase Resistance (Ω)	电感 Phase Inductance (mH)	静力矩 Holding Torque (N·m)	定位力矩 Detent Torque (N·cm Max)	转动惯量 Rotor Torque (g·cm²)	引线数 Lead Wires (NO.)
24SSM4425-EC1000	1.8	45	2.5	2.5	1	2.2	0.85	3.5	200	4
24SSM5430-EC1000	1.8	56	2.1	3	0.7	2.1	1.4	4	360	4
24SSM6430-EC1000	1.8	64	2.4	3	0.8	2.3	1.8	5	450	4
24SSM7430-EC1000	1.8	76	3	3	1	3.5	2.2	7	550	4
24SSM9440-EC1000	1.8	90	2.4	4	0.6	2.3	2.6	12	780	4
24SSM1465-EC1000	1.8	112	3.25	6.5	0.6	2.5	4	18	1100	4



42SSM 系列
混合式闭环步进电机
Hybrid closed-loop stepper motor



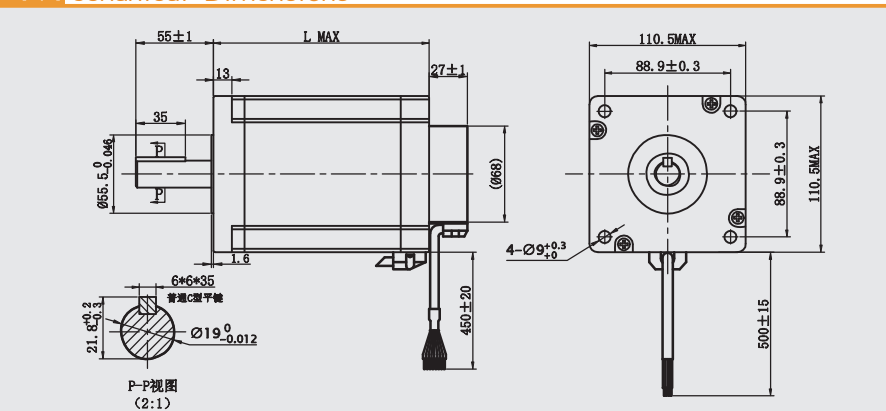
M 机身说明
Motor Length

型号	机身长
42SSM9XXX	100mm
42SSM0XXX	115mm
42SSM1XXX	150mm
42SSM2XXX	201mm

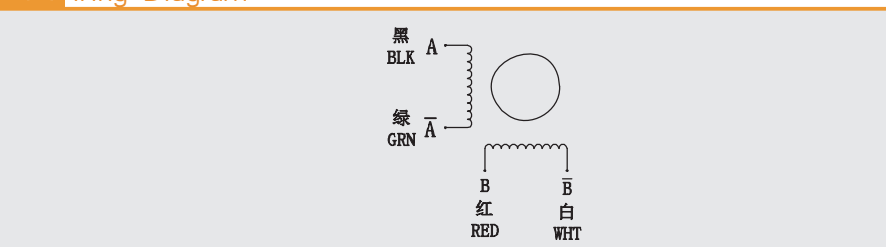
E 技术数据
Electrical Specifications

型号 Series Model	步距角 Step Angle (°)	机身长 Motor Length (mm)	电压 Rated Voltage (V)	电流 Rated Current (A)	电阻 Phase Resistance (Ω)	电感 Phase Inductance (mH)	静力矩 Holding Torque (N·m)	定位力矩 Detent Torque (N·cm Max)	转动惯量 Rotor Torque (g·cm²)	引线数 Lead Wires (NO.)
42SSM9460-EC1000	1.8	100	3	6	0.5	6	12.5	30	5500	4
42SSM0460-EC1000	1.8	115	3	6	0.5	8	15	35	7200	4
42SSM1460-EC1000	1.8	150	4.8	6	0.8	18	23	59	10900	4
42SSM2480-EC1000	1.8	201	5.6	8	0.7	13	28	95	16200	4

M 外型图
Mechanical Dimensions



W 接线图
Wiring Diagram



混合式步进齿轮箱电机

Hybrid Stepper
Gearbox Motor





17HS系列

偏心减速齿轮箱

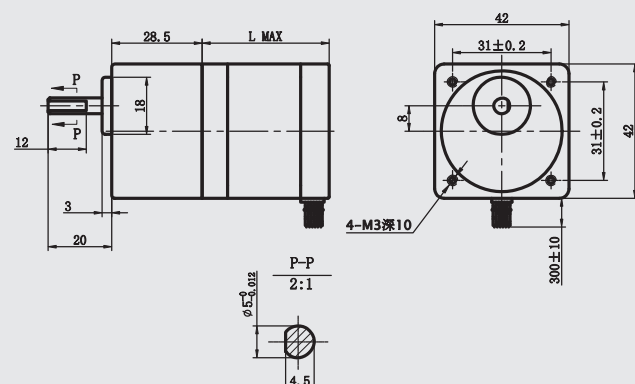
Eccentric reduction box



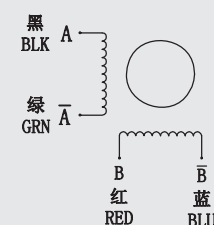
M 机身说明 Motor Length

型号	机身长
17HS3XXXAGXX-PDZ	34mm
17HS4XXXAGXX-PDZ	40mm
17HS5XXXAGXX-PDZ	48mm

M 外型图 Mechanical Dimensions



W 接线图 Wiring Diagram

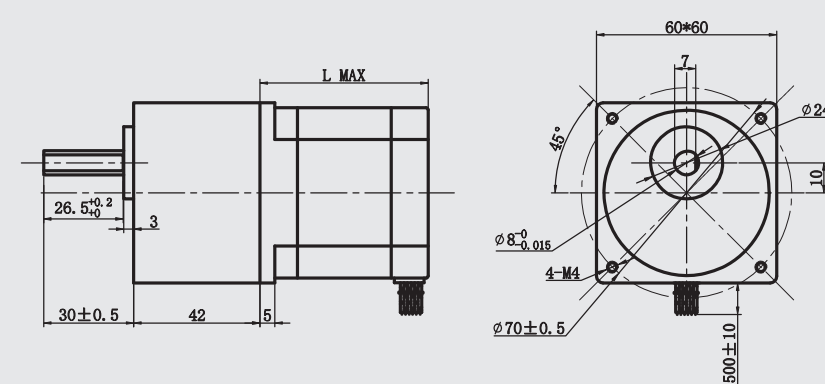


E 技术数据 Electrical Specifications

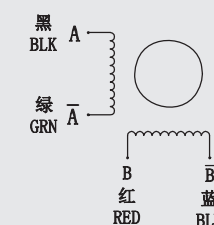
型号 Series Mode	步距角 Step Angle (°)	机身长 Motor Length (mm)	电压 Rated Voltage (V)	电流 Rated Current (A)	电阻 Phase Resistance (Ω)	电感 Phase Inductance (mH)	静力矩 Holding Torque (N.m)	转动惯量 Rotor Torque (g.cm ²)	引线数 Lead Wires (NO.)
17HS3413AGXX-PDZ	1.8	34	3.25	1.3	2.5	3	0.28	35	4
17HS4413AGXX-PDZ	1.8	40	3.25	1.3	2.5	5	0.5	54	4
17HS4417AGXX-PDZ	1.8	40	2.55	1.7	1.5	2.8	0.5	54	4
17HS5412AGXX-PDZ	1.8	48	3.6	1.2	3	5.5	0.58	68	4
17HS5417AGXX-PDZ	1.8	48	3	1.68	1.8	3.2	0.58	68	4
17HS5425AGXX-PDZ	1.8	48	3	2.5	1.2	1.9	0.58	68	4

减速比Reduction Ratio (NO.) 1:10 1:20 1:30

M 外型图 Mechanical Dimensions



W 接线图 Wiring Diagram



E 技术数据 Electrical Specifications

型号 Series Mode	步距角 Step Angle (°)	机身长 Motor Length (mm)	电压 Rated Voltage (V)	电流 Rated Current (A)	电阻 Phase Resistance (Ω)	电感 Phase Inductance (mH)	静力矩 Holding Torque (N.m)	转动惯量 Rotor Torque (g.cm ²)	引线数 Lead Wires (NO.)
23HS6420AGXX-PDZ	1.8	56	3	2	1.5	5.8	1.26	300	4
23HS6428AGXX-PDZ	1.8	56	2.52	2.8	0.9	3.5	1.26	300	4
23HS6440AGXX-PDZ	1.8	56	2	4	0.5	1.8	1.26	300	4
23HS8430AGXX-PDZ	1.8	76	3	3	1	4	1.9	480	4
23HS8440AGXX-PDZ	1.8	76	2.4	4	0.6	2.2	1.9	480	4
23HS8450AGXX-PDZ	1.8	76	2.25	5	0.45	1.65	1.9	480	4
23HS9430AGXX-PDZ	1.8	84	3.6	3	1.2	4.9	2.2	530	4
23HS9440AGXX-PDZ	1.8	84	3.48	4	0.87	3.1	2.4	530	4
23HS2430AGXX-PDZ	1.8	112	4.5	3	1.5	7	3	800	4
23HS2442AGXX-PDZ	1.8	112	3.36	4.2	0.8	3.8	3	800	4

减速比Reduction Ratio (NO.) 1:3 1:5 1:10 1:15 1:20 1:30 1:50 1:150

23HS 系列

偏心减速齿轮箱

Eccentric reduction box



M 机身说明 Motor Length

型号	机身长
23HS6XXXAGXX-PDZ	56mm
23HS9XXXAGXX-PDZ	76mm
23HS9XXXAGXX-PDZ	84mm
23HS2XXXAGXX-PDZ	112mm



34HSAG-PDZ系列

偏心减速齿轮箱

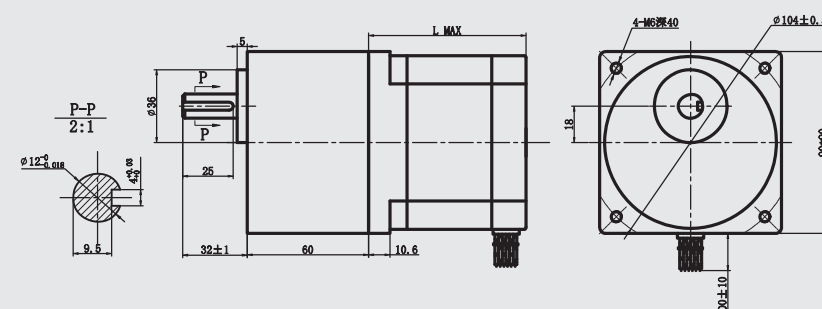
Eccentric reduction box



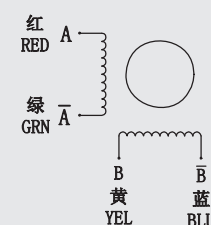
M 机身说明 Motor Length

型号	机身长
34HS7XXXAGXX-PDZ	78mm
34HS1XXXAGXX-PDZ	114mm
34HS5XXXAGXX-PDZ	150mm

M 外型图 Mechanical Dimensions



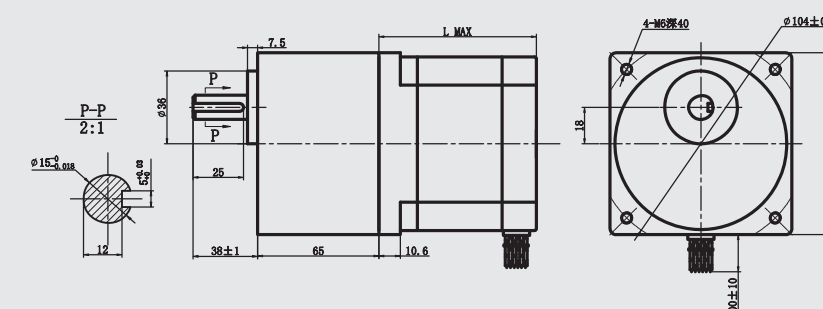
W 接线图 Wiring Diagram



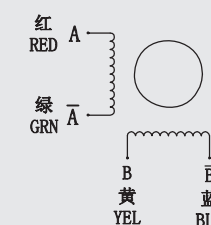
E 技术数据 Electrical Specifications

型号 Series Mode	步距角 Step Angle (°)	机身长 Motor Length (mm)	电压 Rated Voltage (V)	电流 Rated Current (A)	电阻 Phase Resistance (Ω)	电感 Phase Inductance (mH)	静力矩 Holding Torque (N.m)	转动惯量 Rotor Torque (g.cm ²)	引线数 Lead Wires (NO.)
34HS7440AGXX-PDZ	1.8	78	1.36	4	0.34	2.86	4.5	1400	4
34HS1450AGXX-PDZ	1.8	114	2.1	5	0.42	4	8	2200	4
34HS5460AGXX-PDZ	1.8	150	3.6	6	0.6	8	13.5	3600	4
减速比Reduction Ratio (NO.) 1:3 1:5 1:10 1:15 1:20 1:30 1:50									

M 外型图 Mechanical Dimensions



W 接线图 Wiring Diagram



E 技术数据 Electrical Specifications

型号 Series Mode	步距角 Step Angle (°)	机身长 Motor Length (mm)	电压 Rated Voltage (V)	电流 Rated Current (A)	电阻 Phase Resistance (Ω)	电感 Phase Inductance (mH)	静力矩 Holding Torque (N.m)	转动惯量 Rotor Torque (g.cm ²)	引线数 Lead Wires (NO.)
34HS7440AGXX-PQDZ	1.8	78	1.36	4	0.34	2.86	4.5	1400	4
34HS1450AGXX-PQDZ	1.8	114	2.1	5	0.42	4	8	2200	4
34HS5460AGXX-PQDZ	1.8	150	3.6	6	0.6	8	13.5	3600	4
减速比Reduction Ratio (NO.) 1:3 1:5 1:10 1:15 1:20 1:30 1:50									

34HSAG-PQDZ系列

偏心减速齿轮箱

Eccentric reduction box



M 机身说明 Motor Length

型号	机身长
34HS7XXXAGXX-PQDZ	78mm
34HS1XXXAGXX-PQDZ	114mm
34HS5XXXAGXX-PQDZ	150mm



23HSAG系列

RV减速齿轮箱

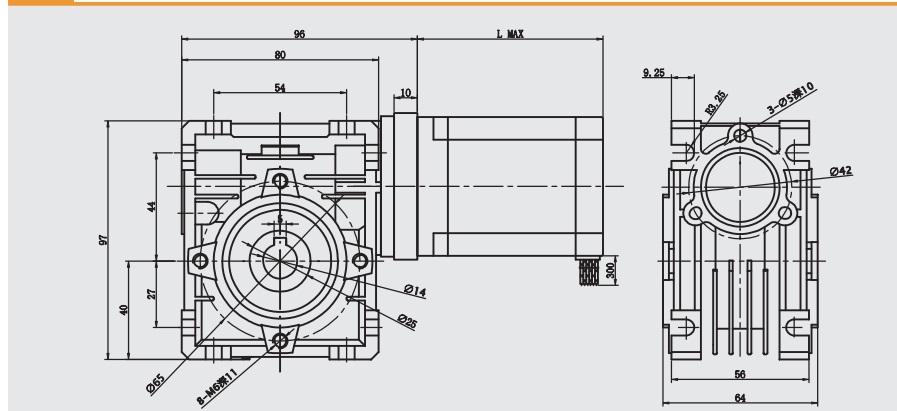
RV reduction gear box



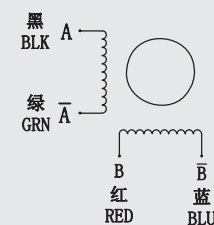
M 机身说明 Motor Length

型号	机身长
23HS6XXXAGXX-RV30	56mm
23HS8XXXAGXX-RV30	76mm
23HS9XXXAGXX-RV30	84mm
23HS2XXXAGXX-RV30	112mm

M 外型图 Mechanical Dimensions



W 接线图 Wiring Diagram

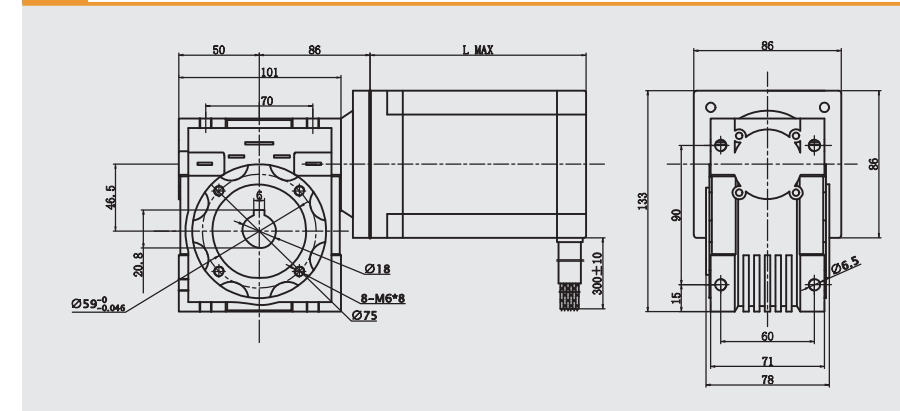


E 技术数据 Electrical Specifications

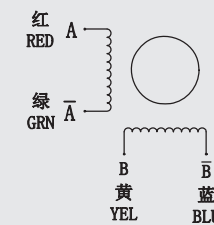
型号 Series Mode	步距角 Step Angle (°)	机身长 Motor Length (mm)	电压 Rated Voltage (V)	电流 Rated Current (A)	电阻 Phase Resistance (Ω)	电感 Phase Inductance (mH)	静力矩 Holding Torque (N.m)	定位力矩 Detent Torque (N.cm Max)	转动惯量 Rotor Torque (g.cm ²)	引线数 Lead Wires (NO.)
23HS6420AGXX-RV30	1.8	56	3	2	1.5	5.8	1.26	4	300	4
23HS6428AGXX-RV30	1.8	56	2.52	2.8	0.9	3.5	1.26	4	300	4
23HS6440AGXX-RV30	1.8	56	2	4	0.5	1.8	1.26	4	300	4
23HS8430AGXX-RV30	1.8	76	3	3	1	4	1.9	6.8	480	4
23HS8440AGXX-RV30	1.8	76	2.4	4	0.6	2.2	1.9	6.8	480	4
23HS8450AGXX-RV30	1.8	76	2.25	5	0.45	1.65	1.9	6.8	480	4
23HS9430AGXX-RV30	1.8	84	3.6	3	1.2	4.9	2.2	7.2	530	4
23HS9440AGXX-RV30	1.8	84	3.48	4	0.87	3.1	2.4	7.2	530	4
23HS2430AGXX-RV30	1.8	112	4.5	3	1.5	7	3	12	800	4
23HS2442AGXX-RV30	1.8	112	3.36	4.2	0.8	3.8	3	12	800	4

减速比Reduction Ratio (NO.) 1:5 1:7.5 1:10 1:15 1:20 1:25 1:30 1:40 1:50 1:60 1:80

M 外型图 Mechanical Dimensions



W 接线图 Wiring Diagram



E 技术数据 Electrical Specifications

型号 Series Mode	步距角 Step Angle (°)	机身长 Motor Length (mm)	电压 Rated Voltage (V)	电流 Rated Current (A)	电阻 Phase Resistance (Ω)	电感 Phase Inductance (mH)	静力矩 Holding Torque (N.m)	定位力矩 Detent Torque (N.cm Max)	转动惯量 Rotor Torque (g.cm ²)	引线数 Lead Wires (NO.)
34HS7440AGXX-RV40	1.8	78	1.36	4	0.34	2.86	4.5	6.5	1400	4
34HS1450AGXX-RV40	1.8	114	2.1	5	0.42	4	8	12.5	2200	4
34HS1460AGXX-RV40	1.8	114	3	6	0.3	3.7	8.5	12.5	2200	4
34HS5435AGXX-RV40	1.8	150	5.6	3.5	1.7	21	13.5	24.5	3600	4
34HS5460AGXX-RV40	1.8	150	3.6	6	0.6	8	13.5	24.5	3600	4

减速比Reduction Ratio (NO.) 1:5 1:7.5 1:10 1:15 1:20 1:25 1:30 1:40 1:50 1:60 1:80 1:100

34HSAG系列

RV减速齿轮箱

RV reduction gear box



M 机身说明 Motor Length

型号	机身长
34HS7XXXAGXX-RV40	78mm
34HS1XXXAGXX-RV40	114mm
34HS5XXXAGXX-RV40	150mm



42HSAG系列

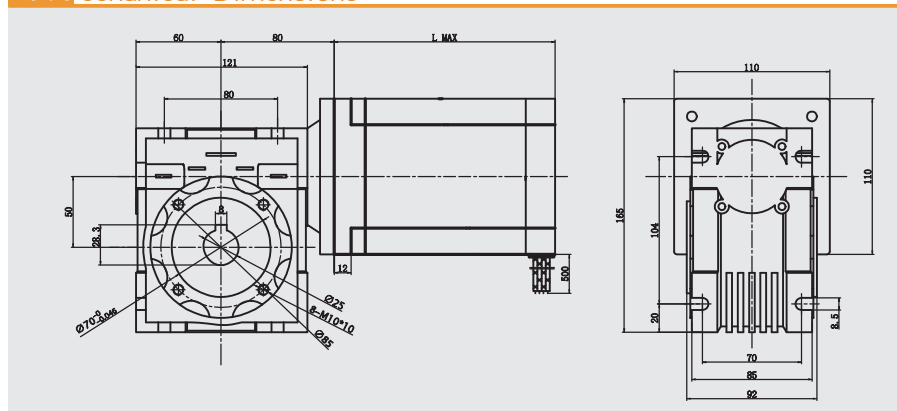
RV减速齿轮箱
RV reduction gear box



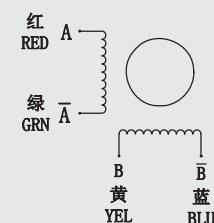
M 机身说明 Motor Length

型号	机身长
42HS9XXXAGXX-RV50	100mm
42HS0XXXAGXX-RV50	115mm
42HS1XXXAGXX-RV50	150mm
42HS2XXXAGXX-RV50	201mm

M 外型图 Mechanical Dimensions



W 接线图 Wiring Diagram

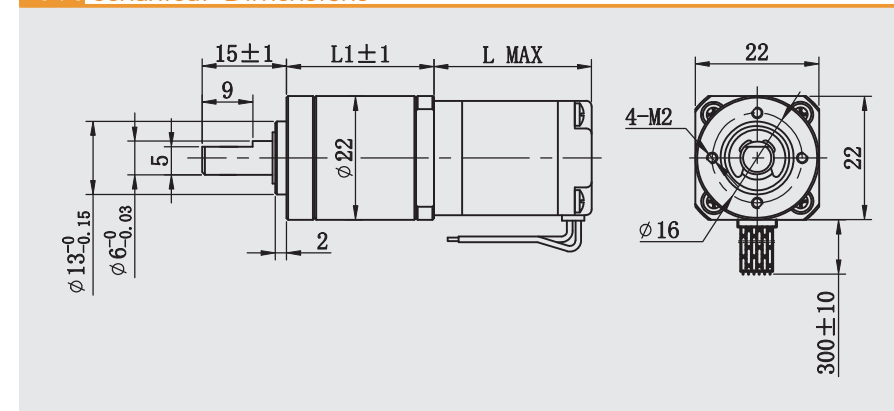


E 技术数据 Electrical Specifications

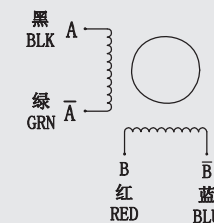
型号 Series Mode	步距角 Step Angle (°)	机身长 Motor Length (mm)	电压 Rated Voltage (V)	电流 Rated Current (A)	电阻 Phase Resistance (Ω)	电感 Phase Inductance (mH)	静力矩 Holding Torque (N.m)	定位力矩 Detent Torque (N.cm Max)	转动惯量 Rotor Torque (g.cm²)	引线数 Lead Wires (NO.)
42HS9460AGXX-RV50	1.8	100	3	6	0.5	6	12.5	30	5500	4
42HS0460AGXX-RV50	1.8	115	3	6	0.5	8	15	35	7200	4
42HS1460AGXX-RV50	1.8	150	4.8	6	0.8	18	23	59	10900	4
42HS2480AGXX-RV50	1.8	201	5.6	8	0.7	13	28	95	16200	4

减速比Reduction Ratio (NO.) 1:5 1:7.5 1:10 1:15 1:20 1:25 1:30 1:40 1:50 1:60 1:80 1:100

M 外型图 Mechanical Dimensions



W 接线图 Wiring Diagram



E 技术数据 Electrical Specifications

型号 Series Mode	步距角 Step Angle (°)	机身长 Motor Length (mm)	电压 Rated Voltage (V)	电流 Rated Current (A)	电阻 Phase Resistance (Ω)	电感 Phase Inductance (mH)	静力矩 Holding Torque (N.cm)	转动惯量 Rotor Torque (g.cm²)	引线数 Lead Wires (NO.)
8HS3406AGXX-XJBZ	1.8	33	2.7	0.6	4.5	2	1.8	3.2	4
8HS4406AGXX-XJBZ	1.8	40	3.3	0.6	5.5	2.3	2.6	4.5	4

减速比Reduction Ratio (NO.)

1级减速比: 4.0、4.75 L1=20.4mm
2级减速比: 16、19、22.56 L2=25.4mm
3级减速比: 64、76、90.25、107 L3=30.5mm

8HSAG系列

经济型行星减速齿轮箱
Economical planetary reduction gearbox



M 机身说明 Motor Length

型号	机身长
8HS3XXXAGXX-XJBZ	33mm
8HS4XXXAGXX-XJBZ	40mm



11HSAG系列 经济型行星减速齿轮箱

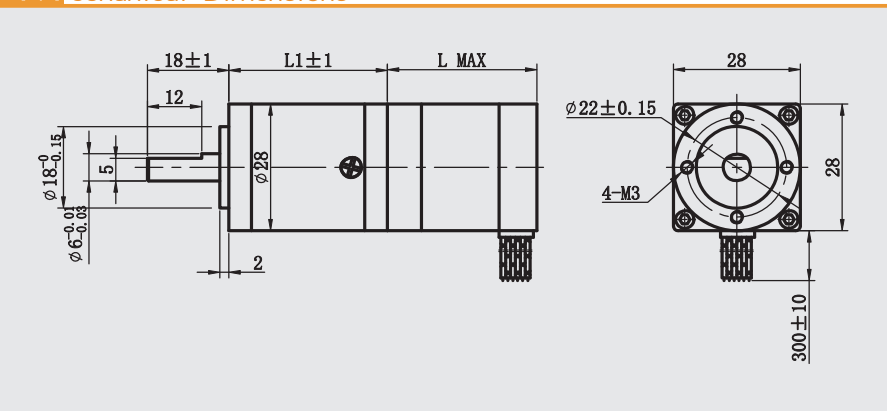
Economical planetary reduction gearbox



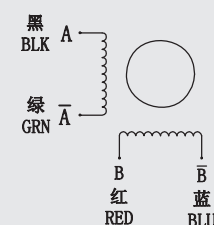
M 机身说明 Motor Length

型号	机身长
11HS3XXXAGXX-XJBZ	33mm
11HS4XXXAGXX-XJBZ	40mm
11HS5XXXAGXX-XJBZ	50mm

M 外型图 Mechanical Dimensions



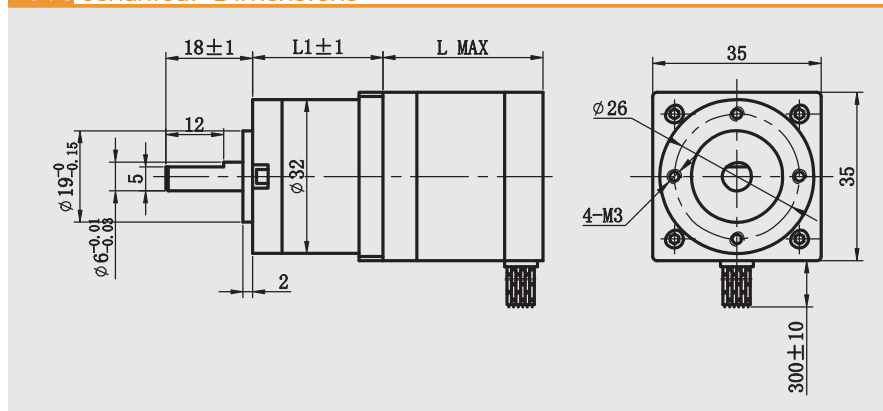
W 接线图 Wiring Diagram



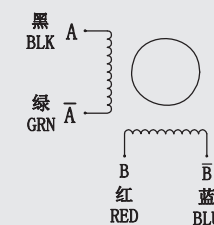
E 技术数据 Electrical Specifications

型号 Series Mode	步距角 Step Angle (°)	机身长 Motor Length (mm)	电压 Rated Voltage (V)	电流 Rated Current (A)	电阻 Phase Resistance (Ω)	电感 Phase Inductance (mH)	静力矩 Holding Torque (N.cm)	转动惯量 Rotor Torque (g.cm²)	引线数 Lead Wires (NO.)
11HS3406AGXX-XJBZ	1.8	33	3.8	0.67	5.6	3.8	6	9	4
11HS4406AGXX-XJBZ	1.8	40	4.2	0.6	7	8	6	11	4
11HS5406AGXX-XJBZ	1.8	50	6.2	0.67	9.2	8.9	12	18	4
减速比Reduction Ratio (NO.)		1级减速比: 3.71、5.18 L1=29.3mm 2级减速比:13.76、19.2、26.8、34.97 L2=37mm 3级减速比: 51、71、99.5、139 L3=44.7mm							

M 外型图 Mechanical Dimensions



W 接线图 Wiring Diagram



E 技术数据 Electrical Specifications

型号 Series Mode	步距角 Step Angle (°)	机身长 Motor Length (mm)	电压 Rated Voltage (V)	电流 Rated Current (A)	电阻 Phase Resistance (Ω)	电感 Phase Inductance (mH)	静力矩 Holding Torque (N.m)	转动惯量 Rotor Torque (g.cm²)	引线数 Lead Wires (NO.)
14HS2410AGXX-XJBZ	1.8	28	3	1	3	4	0.12	11	4
14HS3408AGXX-XJBZ	1.8	34	5.6	0.8	7	13	0.18	13	4
14HS3412AGXX-XJBZ	1.8	34	3.12	1.2	2.6	5	0.18	13	4
减速比Reduction Ratio (NO.)		1级减速比: 3.71、5.18 L1=29.3mm 2级减速比:13.76、19.2、26.8、34.97 L2=37mm 3级减速比: 51、71、99.5、139 L3=44.7mm							

14HSAG系列 经济型行星减速齿轮箱

Economical planetary reduction gearbox



M 机身说明 Motor Length

型号	机身长
14HS2XXXAGXX-XJBZ	28mm
14HS3XXXAGXX-XJBZ	34mm



17HSAG系列

经济型行星减速齿轮箱

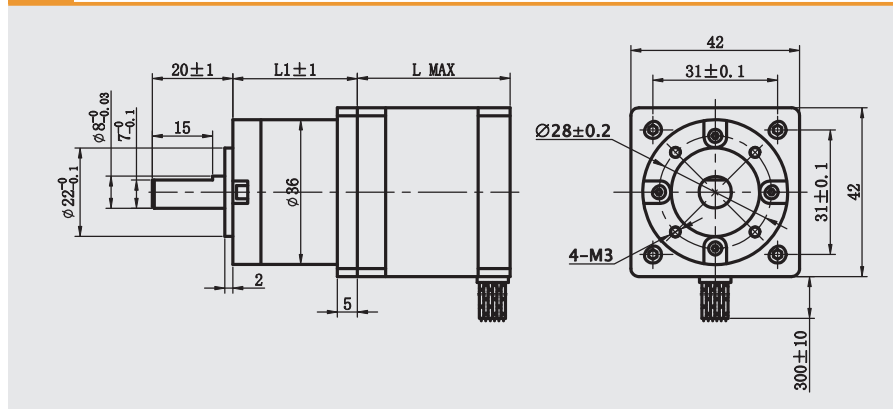
Economical planetary reduction gearbox



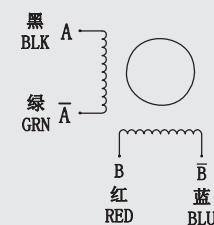
M 机身说明 Motor Length

型号	机身长
17HS3XXXAGXX-XJTH	34mm
17HS4XXXAGXX-XJTH	40mm
17HS5XXXAGXX-XJTH	48mm
17HS6XXXAGXX-XJTH	60mm

M 外型图 Mechanical Dimensions



W 接线图 Wiring Diagram



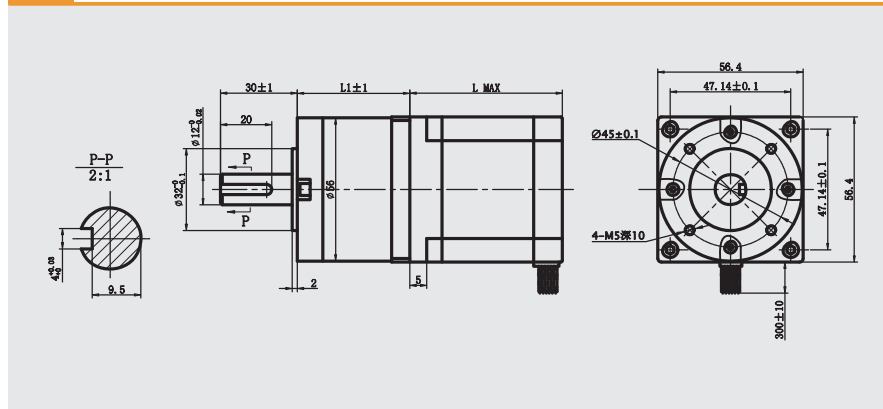
E 技术数据 Electrical Specifications

型号 Series Mode	步距角 Step Angle (°)	机身长 Motor Length (mm)	电压 Rated Voltage (V)	电流 Rated Current (A)	电阻 Phase Resistance (Ω)	电感 Phase Inductance (mH)	静力矩 Holding Torque (N.m)	转动惯量 Rotor Torque (g.cm ²)	引线数 Lead Wires (NO.)
17HS3404AGXX-XJTH	1.8	34	12	0.4	30	38	0.28	35	4
17HS3413AGXX-XJTH	1.8	34	3.25	1.3	2.5	3	0.28	35	4
17HS4413AGXX-XJTH	1.8	40	3.25	1.3	2.5	5	0.5	54	4
17HS4417AGXX-XJTH	1.8	40	2.55	1.7	1.5	2.8	0.5	54	4
17HS5412AGXX-XJTH	1.8	48	3.6	1.2	3	5.5	0.58	68	4
17HS5417AGXX-XJTH	1.8	48	3	1.68	1.8	3.2	0.58	68	4
17HS5425AGXX-XJTH	1.8	48	3	2.5	1.2	1.9	0.58	68	4
17HS6420AGXX-XJTH	1.8	60	3.6	2	1.8	4.5	0.8	102	4
17HS6425AGXX-XJTH	1.8	60	3	2.5	1.2	2.9	0.8	102	4

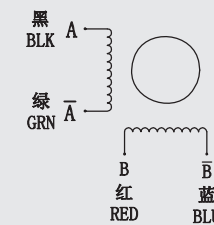
减速比Reduction Ratio (NO.)

1级减速比: 3.71、5.18 L1=28mm
2级减速比: 13.76、19.22、26.83 L2=35.5mm
3级减速比: 51、71.3、100、139 L3=43mm

M 外型图 Mechanical Dimensions



W 接线图 Wiring Diagram



E 技术数据 Electrical Specifications

型号 Series Mode	步距角 Step Angle (°)	机身长 Motor Length (mm)	电压 Rated Voltage (V)	电流 Rated Current (A)	电阻 Phase Resistance (Ω)	电感 Phase Inductance (mH)	静力矩 Holding Torque (N.m)	转动惯量 Rotor Torque (g.cm ²)	引线数 Lead Wires (NO.)
23HS8430AGXX-XJTH	1.8	76	3	3	1	4	1.9	480	4
23HS8440AGXX-XJTH	1.8	76	2.4	4	0.6	2.2	1.9	480	4
23HS8450AGXX-XJTH	1.8	76	2.25	5	0.45	1.65	1.9	480	4
23HS9430AGXX-XJTH	1.8	84	3.6	3	1.2	4.9	2.2	530	4
23HS9440AGXX-XJTH	1.8	84	3.48	4	0.87	3.1	2.4	530	4
23HS2442AGXX-XJTH	1.8	112	3.36	4.2	0.8	3.8	3	800	4

减速比Reduction Ratio (NO.)

1级减速比: 3.6、4.25、5.33、L1=48mm
2级减速比: 12.96、15.3、18.06、19.20、22.66、28.44 L2=60mm
3级减速比: 46.66、55.08、65.02、69.1、76.56、81.6、96.3、102.3、120.8、151.6 L3=72mm

23HSAG系列

经济型行星减速齿轮箱

Economical planetary reduction gearbox



M 机身说明 Motor Length

型号	机身长
23HS8XXXAGXX-XJBZ	76mm
23HS9XXXAGXX-XJBZ	84mm
23HS2XXXAGXX-XJBZ	112mm



17HSAG系列

精密型行星减速齿轮箱
Precision planetary reduction gearbox



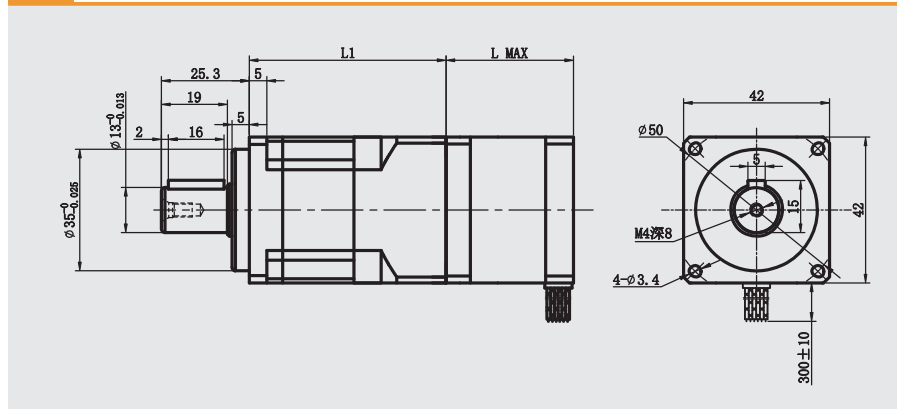
M 机身说明

Motor Length

型号	机身长
17HS3XXXAGXX-XMNS	34mm
17HS4XXXAGXX-XMNS	40mm
17HS5XXXAGXX-XMNS	48mm
17HS6XXXAGXX-XMNS	60mm

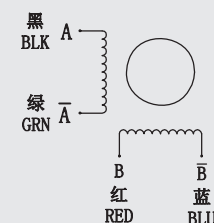
M 外型图

Mechanical Dimensions



W 接线图

Wiring Diagram



E 技术数据

Electrical Specifications

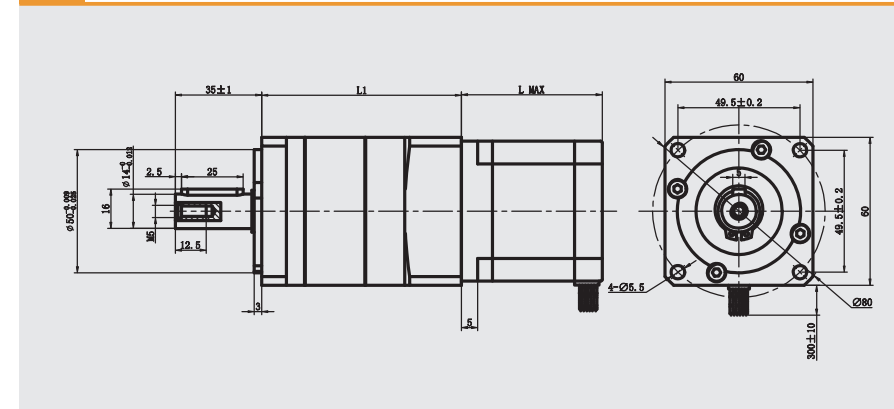
型号 Series Mode	步距角 Step Angle (°)	机身长 Motor Length (mm)	电压 Rated Voltage (V)	电流 Rated Current (A)	电阻 Phase Resistance (Ω)	电感 Phase Inductance (mH)	静力矩 Holding Torque (N.m)	转动惯量 Rotor Torque (g.cm²)	引线数 Lead Wires (NO.)
17HS3413AGXX-XMNS	1.8	34	3.25	1.3	2.5	3	0.28	35	4
17HS4417AGXX-XMNS	1.8	40	2.55	1.7	1.5	2.8	0.5	54	4
17HS5412AGXX-XMNS	1.8	48	3.6	1.2	3	5.5	0.58	68	4
17HS5417AGXX-XMNS	1.8	48	3	1.68	1.8	3.2	0.58	68	4
17HS5425AGXX-XMNS	1.8	48	3	2.5	1.2	1.9	0.58	68	4
17HS6425AGXX-XMNS	1.8	60	3	2.5	1.2	2.9	0.8	102	4

减速比Reduction Ratio (NO.)

1级减速比: 4、5、7、8 L1=56.6mm
2级减速比: 16、20、25、28、35、40 L2=68.6mm

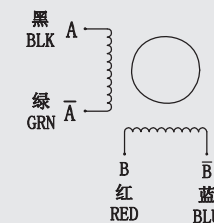
M 外型图

Mechanical Dimensions



W 接线图

Wiring Diagram



E 技术数据

Electrical Specifications

型号 Series Mode	步距角 Step Angle (°)	机身长 Motor Length (mm)	电压 Rated Voltage (V)	电流 Rated Current (A)	电阻 Phase Resistance (Ω)	电感 Phase Inductance (mH)	静力矩 Holding Torque (N.m)	转动惯量 Rotor Torque (g.cm²)	引线数 Lead Wires (NO.)
23HS6420AGXX-XMNS	1.8	56	3	2	1.5	5.8	1.26	300	4
23HS6428AGXX-XMNS	1.8	56	2.52	2.8	0.9	3.5	1.26	300	4
23HS6440AGXX-XMNS	1.8	56	2	4	0.5	1.8	1.26	300	4
23HS8430AGXX-XMNS	1.8	76	3	3	1	4	1.9	480	4
23HS8440AGXX-XMNS	1.8	76	2.4	4	0.6	2.2	1.9	480	4
23HS8450AGXX-XMNS	1.8	76	2.25	5	0.45	1.65	1.9	480	4
23HS9430AGXX-XMNS	1.8	84	3.6	3	1.2	4.9	2.2	530	4
23HS9440AGXX-XMNS	1.8	84	3.48	4	0.87	3.1	2.4	530	4
23HS2442AGXX-XMNS	1.8	112	3.36	4.2	0.8	3.8	3	800	4

减速比Reduction Ratio (NO.)

1级减速比: 4、5、7、10 L1=81mm
2级减速比: 16、20、25、35、40、50、70、100 L2=98mm
3级减速比: 64、80、100、125、140、175、245、350、400、500、700、1000 L3=115mm

23HSAG系列

精密型行星减速齿轮箱
Precision planetary reduction gearbox



M 机身说明

Motor Length

型号	机身长
23HS6XXXAGXX-XMNS	56mm
23HS8XXXAGXX-XMNS	76mm
23HS9XXXAGXX-XMNS	84mm
23HS2XXXAGXX-XMNS	112mm



Drive Type Lead Screw Motor

传动型丝杆电机

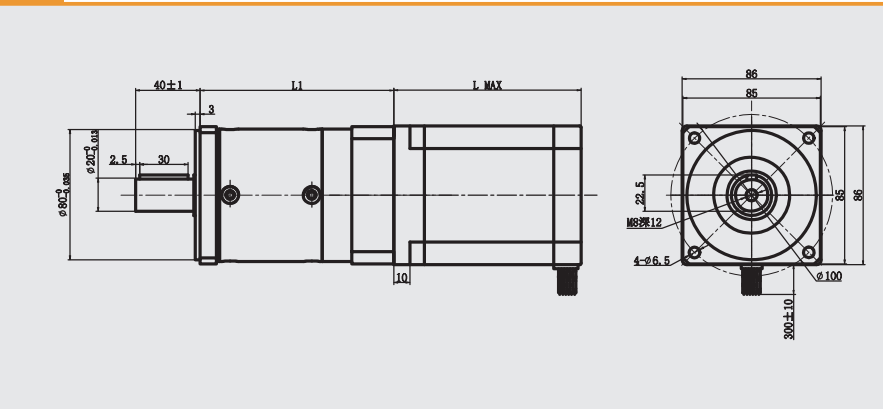
34HSAG系列 精密行星减速齿轮箱 Precision planetary reduction gearbox



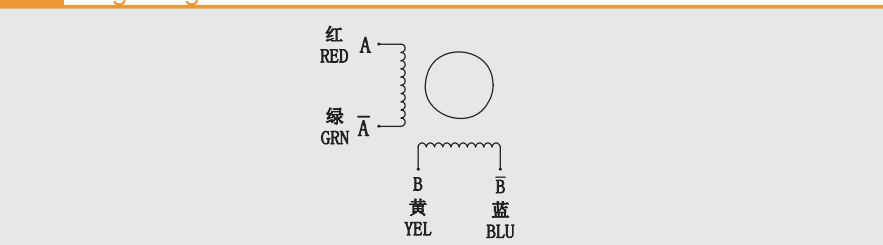
M 机身说明 Motor Length

型号	机身长
34HS7XXXAGXX-XMNS	78mm
34HS1XXXAGXX-XMNS	114mm
34HS5XXXAGXX-XMNS	150mm

M 外型图 Mechanical Dimensions



W 接线图 Wiring Diagram



E 技术数据 Electrical Specifications

型号 Series Mode	步距角 Step Angle (°)	机身长 Motor Length (mm)	电压 Rated Voltage (V)	电流 Rated Current (A)	电阻 Phase Resistance (Ω)	电感 Phase Inductance (mH)	静力矩 Holding Torque (N.m)	转动惯量 Rotor Torque (g.cm²)	引线数 Lead Wires (NO.)
34HS7440AGXX-XMNS	1.8	78	1.36	4	0.34	2.86	4.5	1400	4
34HS1450AGXX-XMNS	1.8	114	2.1	5	0.42	4	8	2200	4
34HS5460AGXX-XMNS	1.8	150	3.6	6	0.6	8	13.5	3600	4

减速比Reduction Ratio (NO.)

1级减速比: 4、5、7、10 L1=100.25mm
2级减速比: 16、20、25、35、40、50、70、100 L2=119.75mm
3级减速比: 64、80、100、125、140、175、245、350、400、500、700、1000 L3=140.75mm





8HSL系列

传动型丝杆电机

Drive type lead screw motor

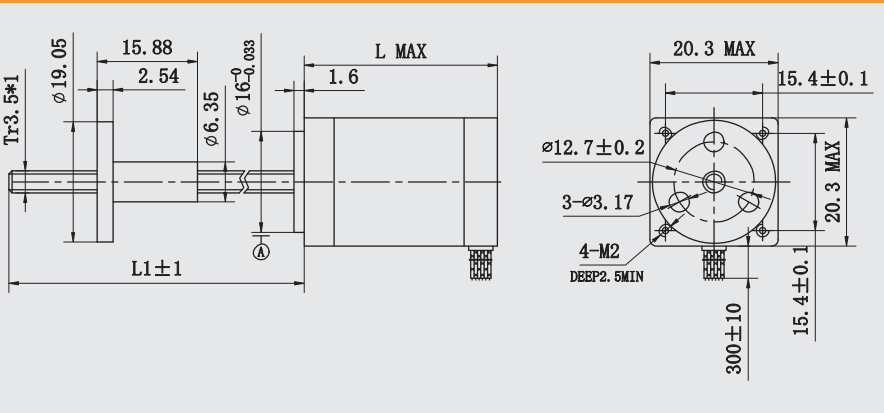


机身说明
Motor Length

型号	机身长
8HSL34XX	34 mm
8HSL44XX	40 mm

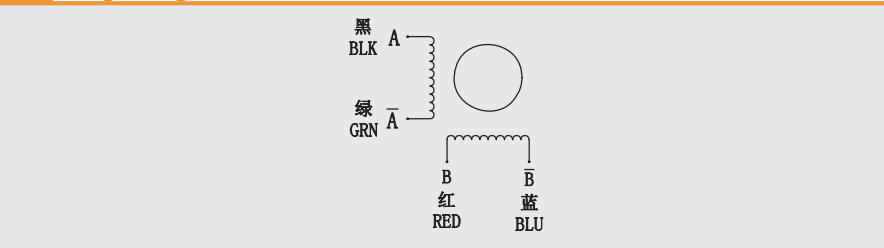
外型图

Mechanical Dimensions



接线图

Wiring Diagram



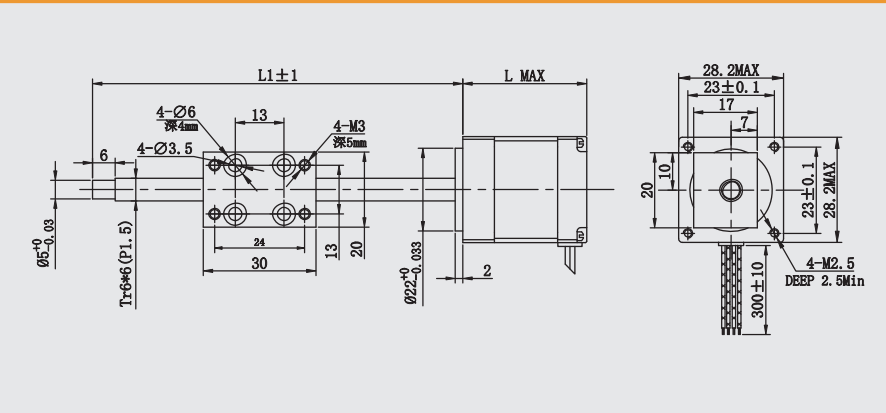
技术数据

Electrical Specifications

型号 Series Model	机身长 Motor Length (mm)	电压 Rated Voltage (V)	电流 Rated Current (A)	电阻 Phase Resistance (Ω)	电感 Phase Inductance (mH)	静力矩 Holding Torque (N.cm)	定位力矩 Detent Torque (N.cm Max)	转动惯量 Rotor Torque (g.cm²)	引线数 Lead Wires (NO.)
8HSL3406	34	2.7	0.6	4.5	2	1.8	0.3	3.2	4
8HSL4406	40	3.3	0.6	5.5	2.3	2.6	0.5	4.5	4

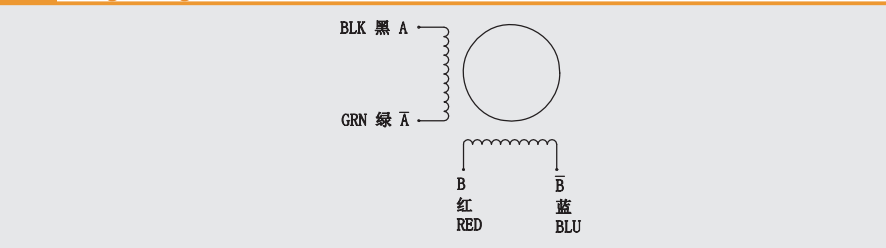
外型图

Mechanical Dimensions



接线图

Wiring Diagram



技术数据

Electrical Specifications

型号 Series Model	机身长 Motor Length (mm)	电压 Rated Voltage (V)	电流 Rated Current (A)	电阻 Phase Resistance (Ω)	电感 Phase Inductance (mH)	静力矩 Holding Torque (N.cm)	定位力矩 Detent Torque (N.cm Max)	转动惯量 Rotor Torque (g.cm²)	引线数 Lead Wires (NO.)
11HSL3406	32	3.8	0.67	5.6	3.8	6	0.4	9	4
11HSL4406	40	4.2	0.6	7	8	6	0.5	11	4
11HSL5406	50	6.2	0.67	9.2	8.9	12	0.8	18	4

11HSL系列

传动型丝杆电机

Drive type lead screw motor



机身说明
Motor Length

型号	机身长
11HSL34XX	32 mm
11HSL44XX	40 mm
11HSL54XX	50 mm

14HSL系列

传动型丝杆电机

Drive type lead screw motor



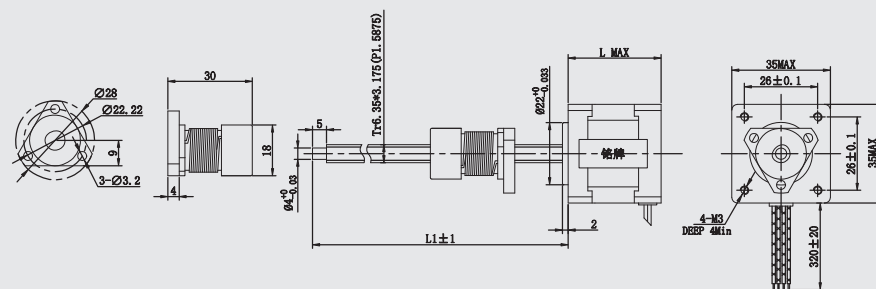
M 机身说明
Motor Length

型号	机身长
14HSL24XX	28 mm
14HSL34XX	34 mm

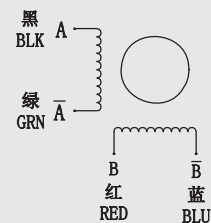
E 技术数据
Electrical Specifications

型号 Series Mode	机身长 Motor Length (mm)	电压 Rated Voltage (V)	电流 Rated Current (A)	电阻 Phase Resistance (Ω)	电感 Phase Inductance (mH)	静力矩 Holding Torque (N. m)	定位力矩 Detent Torque (N.cm Max)	转动惯量 Rotor Torque (g.cm²)	引线数 Lead Wires (NO.)
14HSL2410	28	3	1	3	4	0.12	0.8	11	4
14HSL3412	34	3.12	1.2	2.6	5	0.18	1	13	4

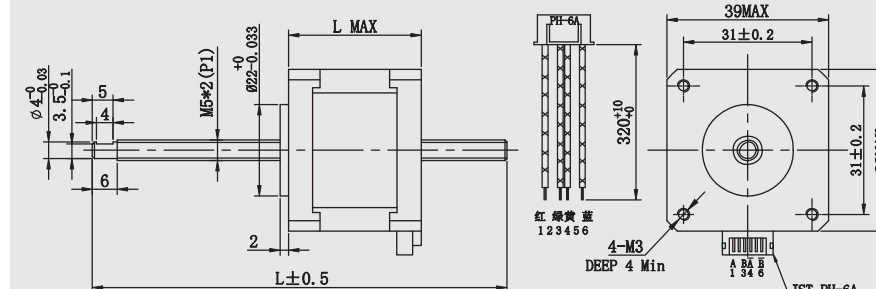
M 外型图
Mechanical Dimensions



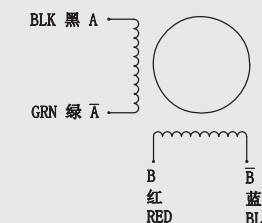
W 接线图 iring Diagram



M 外型图
Mechanical Dimensions



W 接线图 Wiring Diagram



E 技术数据
Electrical Specifications

型号 Series Mode	机身長 Motor Length (mm)	电压 Rated Voltage (V)	电流 Rated Current (A)	电阻 Phase Resistance (Ω)	电感 Phase Inductance (mH)	静力矩 Holding Torque (N. m)	定位力矩 Detent Torque (N.cm Max)	转动惯量 Rotor Torque (g.cm²)	引线数 Lead Wires (NO.)
16HST3404	34	12	0.4	30	32	0.21	1.2	20	4

16HST系列

传动型丝杆电机

Drive type lead screw motor



M 机身说明
Motor Length

型号	机身长
16HST34XX	34 mm

E 技术数据
Electrical Specifications

型号 Series Mode	机身长 Motor Length (mm)	电压 Rated Voltage (V)	电流 Rated Current (A)	电阻 Phase Resistance (Ω)	电感 Phase Inductance (mH)	静力矩 Holding Torque (N. m)	定位力矩 Detent Torque (N.cm Max)	转动惯量 Rotor Torque (g. cm²)	引线数 Lead Wires (NO.)
14HSL2410	28	3	1	3	4	0.12	0.8	11	4
14HSL3412	34	3.12	1.2	2.6	5	0.18	1	13	4

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17HSL系列

传动型丝杆电机

Drive type lead screw motor

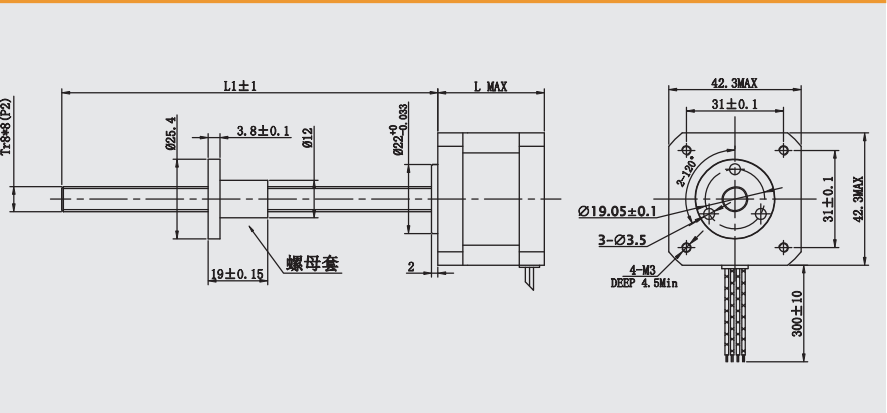


M 机身说明

型号	机身长
17HSL34XX	34 mm
17HSL44XX	40 mm
17HSL54XX	48 mm
17HSL64XX	60 mm

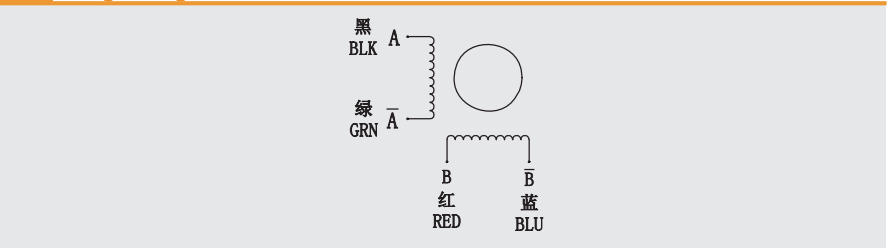
M 外型图

Mechanical Dimensions



W 接线图

Wiring Diagram



E 技术数据

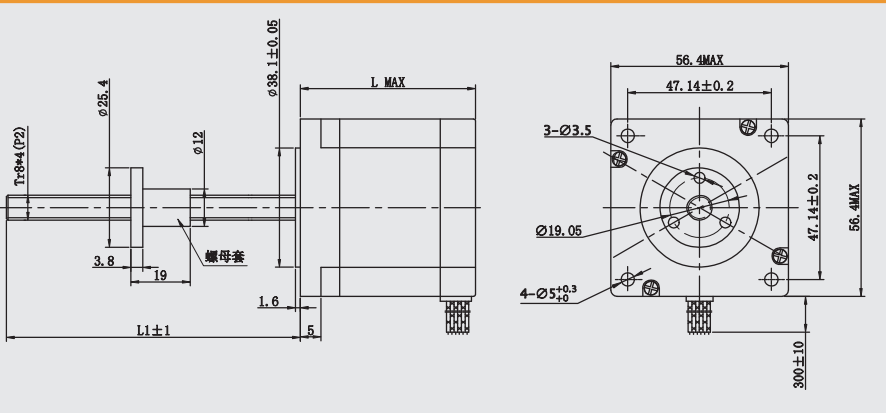
Electrical Specifications

型号 Series Mode	机身长 Motor Length (mm)	电压 Rated Voltage (V)	电流 Rated Current (A)	电阻 Phase Resistance (Ω)	电感 Phase Inductance (mH)	静力矩 Holding Torque (N·m)	定位力矩 Detent Torque (N·cm Max)	转动惯量 Rotor Torque (g·cm²)	引线数 Lead Wires (NO.)
17HSL3413	34	3.25	1.3	2.5	3	0.28	1.6	35	4
17HSL4417	40	2.55	1.7	1.5	2.8	0.5	2.2	54	4
17HSL5412	48	3.6	1.2	3	5.5	0.58	2	68	4
17HSL6420	60	3.6	2	1.8	4.5	0.8	3.2	102	4

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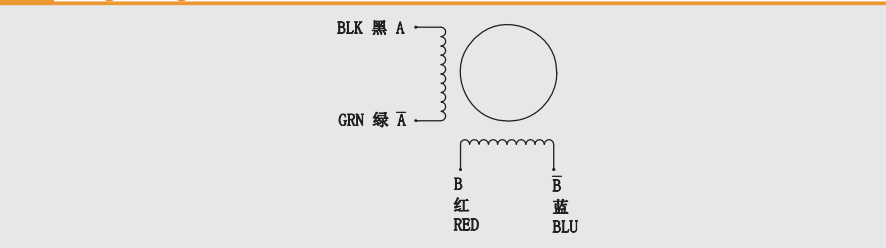
M 外型图

Mechanical Dimensions



W 接线图

Wiring Diagram



E 技术数据

Electrical Specifications

型号 Series Mode	机身长 Motor Length (mm)	电压 Rated Voltage (V)	电流 Rated Current (A)	电阻 Phase Resistance (Ω)	电感 Phase Inductance (mH)	静力矩 Holding Torque (N·m)	定位力矩 Detent Torque (N·cm Max)	转动惯量 Rotor Torque (g·cm²)	引线数 Lead Wires (NO.)
23HSL6428	56	2.52	2.8	0.9	3.5	1.26	4	300	4
23HSL8430	76	3	3	1	4	1.9	6.8	480	4

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23HSL系列

传动型丝杆电机

Drive type lead screw motor



M 机身说明

型号	机身长
23HSL64XX	56 mm
23HSL84XX	76 mm



34HSL系列
传动型丝杆电机

Drive type lead screw motor



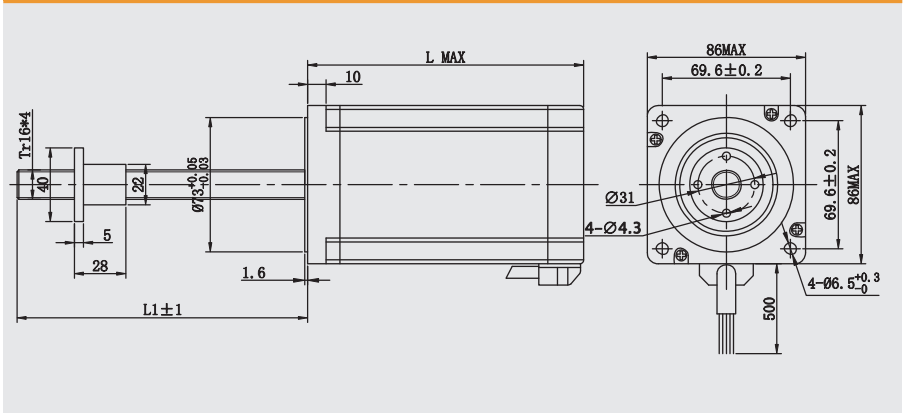
机身说明
Motor Length

型号	机身长
34HSL74XX	78 mm
34HSL14XX	114 mm

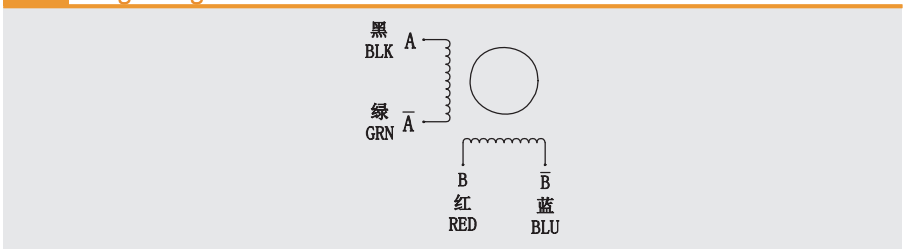
技术数据
Electrical Specifications

型号 Series Model	机身长 Motor Length (mm)	电压 Rated Voltage (V)	电流 Rated Current (A)	电阻 Phase Resistance (Ω)	电感 Phase Inductance (mH)	静力矩 Holding Torque (N. m)	定位力矩 Detent Torque (N.cm Max)	转动惯量 Rotor Torque (g. cm²)	引线数 Lead Wires (NO.)
34HSL7440	78	1.36	4	0.34	2.86	4.5	6.5	1400	4
34HSL1450	114	2.1	5	0.42	4	8	12.5	2200	4

外型图
Mechanical Dimensions



接线图
Wiring Diagram



丝杆电机选型表 Screw motor selection

丝杆直径mm Screw diameter mm	导程mm Lead mm	步长mm Travel per step	螺距 Pitch	头数 Head of Screw	8HSL系列 8HSL Series	11HSL系列 11HSL Series	14HSL系列 14HSL Series	17HSL系列 17HSL Series	23HSL系列 23HSL Series	34HSL系列 34HSL Series
3.5	0.3048	0.001524	0.3048	1	●	\\	\\	\\	\\	\\
	0.6096	0.003048	0.3048	2	●	\\	\\	\\	\\	\\
	1	0.005	1	1	●	\\	\\	\\	\\	\\
	1.22	0.0061	1.22	1	●	\\	\\	\\	\\	\\
	2	0.01	1	2	●	\\	\\	\\	\\	\\
	4	0.02	1	4	●	\\	\\	\\	\\	\\
4.76	0.635	0.003175	0.635	1	●	●	\\	\\	\\	\\
	1.27	0.00635	1.27	1	●	●	\\	\\	\\	\\
	1.27	0.00635	0.635	2	●	●	\\	\\	\\	\\
	2.54	0.0127	1.27	2	●	●	\\	\\	\\	\\
	4.87	0.02435	1.2192	4	●	●	\\	\\	\\	\\
	5.08	0.0254	1.27	4	●	●	\\	\\	\\	\\
5.56	4.87	0.02435	1.2192	4	○	●	\\	\\	\\	\\
6	1	0.005	1	1	○	●	\\	\\	\\	\\
	6	0.03	1.5	4	○	●	\\	\\	\\	\\
	9	0.045	9	1	○	●	\\	\\	\\	\\
5	2	0.01	2	1	○	●	\\	\\	\\	\\
6.35	0.635	0.003175	0.635	1	○	●	●	●	○	\\
	0.79375	0.00396875	0.79375	1	○	●	●	●	○	\\
	1.27	0.00635	1.27	1	○	●	●	●	○	\\
	1.27	0.00635	0.635	2	○	●	●	●	○	\\
	1.5875	0.0079375	1.5875	1	○	●	●	●	○	\\
	2.43	0.01215	1.2192	2	○	●	●	●	○	\\
	2.54	0.0127	1.27	2	○	●	●	●	○	\\
	3.175	0.015875	1.5875	2	○	●	●	●	○	\\
	3.175	0.015875	3.175	1	○	●	●	●	○	\\
	6.35	0.03175	1.5875	4	○	●	●	●	○	\\
8	12.7	0.0635	1.5875	8	○	●	●	●	○	\\
	12.7	0.0635	1.8142	7	○	●	●	●	○	\\
	1	0.005	1	1	\\	\\	●	●	●	\\
	2	0.01	2	1	\\	\\	●	●	●	\\
	4	0.02	2	2	\\	\\	●	●	●	\\
	8	0.04	2	4	\\	\\	●	●	●	\\
	10.16	0.0508	2.54	4	\\	\\	○	○	●	\\
	0.635	0.003175	0.635	1	\\	\\	○	○	●	\\
	1.2192	0.006096	1.2192	1	\\	\\	○	○	●	\\
	1.27	0.00635	1.27	1	\\	\\	○	○	●	\\
9.525	2.43	0.01215	1.2192	2	\\	\\	○	○	●	\\
	2.54	0.0127	2.54	1	\\	\\	○	○	●	\\
	6.35	0.03175	1.5875	4	\\	\\	○	○	●	\\
	5.08	0.0254	2.54	2	\\	\\	○	○	●	\\
	12.7	0.0635	1.5835	8	\\	\\	○	○	●	\\
	27.42	0.1371	3.427	8	\\	\\	○	○	●	\\
	2	0.01	2	1	\\	\\	○	○	●	\\
	4	0.02	2	2	\\	\\	○	○	●	\\
10	10	0.05	2	5	\\	\\	○	○	●	\\
	20	0.1	3.333	6	\\	\\	○	○	●	\\
	2.54	0.0127	2.54	1	\\	\\	\\	\\	\\	●
	3.175	0.015875	3.175	1	\\	\\	\\	\\	\\	●
15.88	5.08	0.0254	2.54	2	\\	\\	\\	\\	\\	●
	6.35	0.03175	3.175	2	\\	\\	\\	\\	\\	●
	12.7	0.0635	3.175	4	\\	\\	\\	\\	\\	●
	25.4	0.127	3.175	8	\\	\\	\\	\\	\\	●
	4	0.02	4	1	\\	\\	\\	\\	\\	●
16	8	0.04	8	1	\\	\\	\\	\\	\\	●
	16	0.08	16	1	\\	\\	\\	\\	\\	●

“●” 推荐, “○” 可选, “\\” 不推荐。 “●” Recommended, “○” Optional, “\\” Not recommended.

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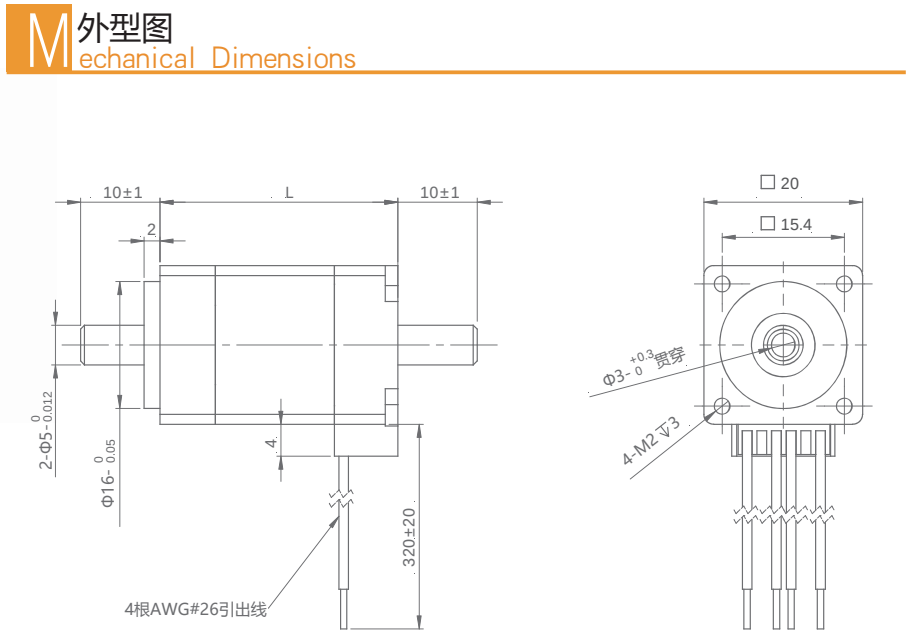


8KS 系列
空心轴电机
Hollow shaft motor



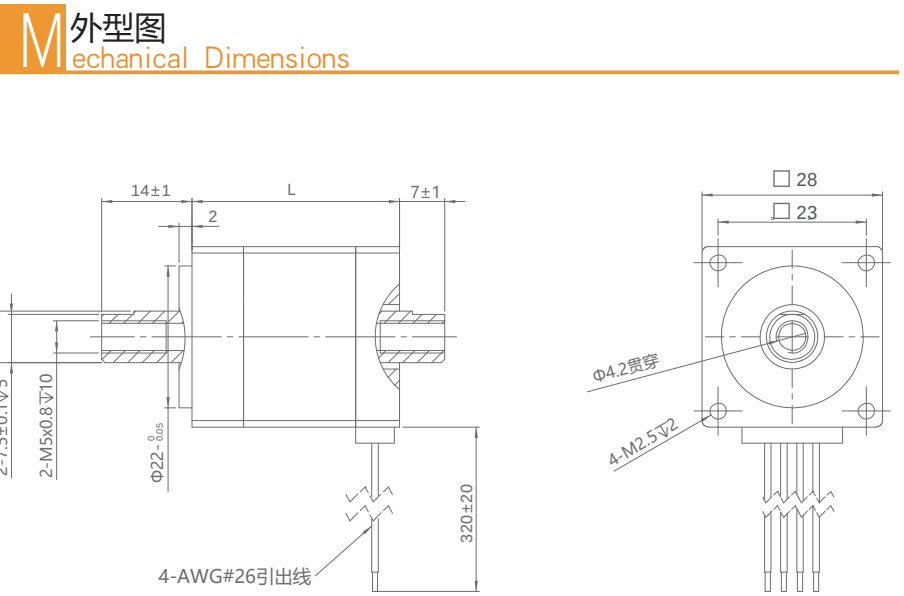
M 机身说明
otor Length

型号	机身长
8KS3XXX	30 mm
8KS4XXX	42 mm



E 技术数据
lectrical Specifications

型号 Series Mode	机身长 Motor Length (mm)	电压 Rated Voltage (V)	电流 Rated Current (A)	电阻 Phase Resistance (Ω)	电感 Phase Inductance (mH)	静力矩 Holding Torque (N.cm)	转动惯量 Rotor Torque (g.cm²)	引线数 Lead Wires (NO.)
8KS3405	30	2.5	0.5	5.1	1.5	1.5	2	4
8KS4405	42	6.3	0.5	12.5	1.1	2	3	4



E 技术数据
lectrical Specifications

型号 Series Mode	机身长 Motor Length (mm)	电压 Rated Voltage (V)	电流 Rated Current (A)	电阻 Phase Resistance (Ω)	电感 Phase Inductance (mH)	静力矩 Holding Torque (N.cm)	转动惯量 Rotor Torque (g.cm²)	引线数 Lead Wires (NO.)	重量 Motor Weight (g)
11KS3410	34	2.1	1	2.1	1.5	5	9	4	2400
11KS4410	45	2.1	1	3.7	2.3	10	9	4	5000

11KS系列
空心轴电机
Hollow shaft motor



M 机身说明
otor Length

型号	机身长
11KS3XXX	34 mm
11KS4XXX	45 mm

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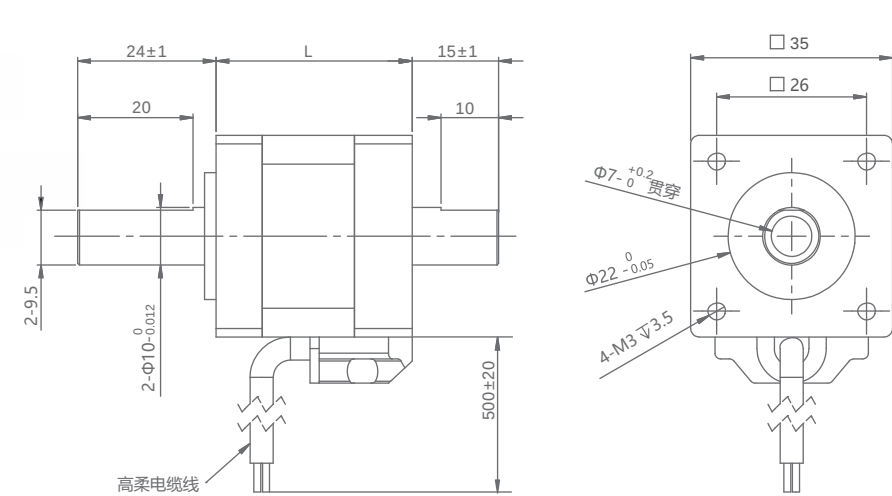
14KS 系列
空心轴电机
Hollow shaft motor



M 机身说明
Motor Length

型号	机身长
14KS3XXX	34 mm
14KS4XXX	47 mm

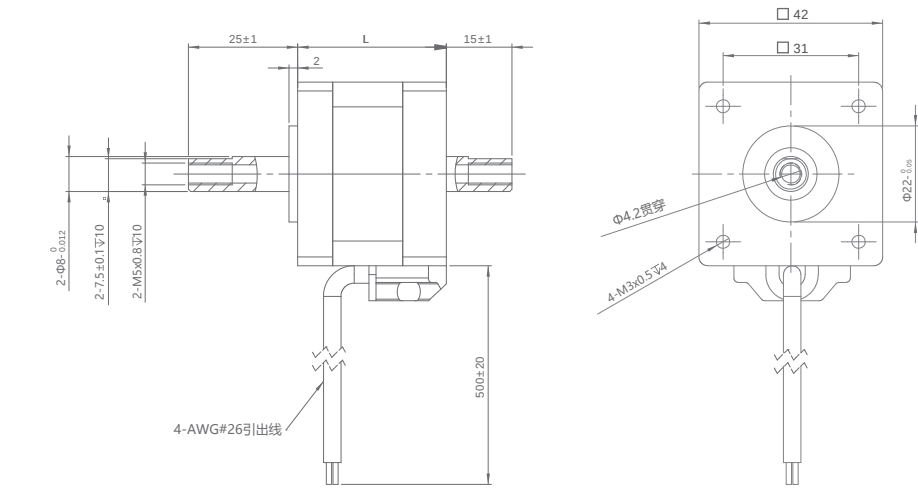
M 外型图
Mechanical Dimensions



E 技术数据
Electrical Specifications

型号 Series Mode	机身长 Motor Length (mm)	电压 Rated Voltage (V)	电流 Rated Current (A)	电阻 Phase Resistance (Ω)	电感 Phase Inductance (mH)	静力矩 Holding Torque (N.cm)	转动惯量 Rotor Torque (g.cm²)	引线数 Lead Wires (NO.)
14KS3415	34	14	1.5	0.95	1.4	14	20	4
14KS4415	47	2.9	1.5	1.9	3.2	20	30	4

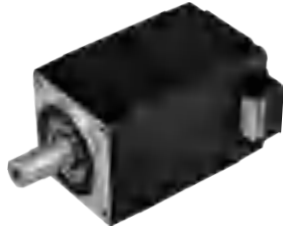
M 外型图
Mechanical Dimensions



E 技术数据
Electrical Specifications

型号 Series Mode	机身长 Motor Length (mm)	电压 Rated Voltage (V)	电流 Rated Current (A)	电阻 Phase Resistance (Ω)	电感 Phase Inductance (mH)	静力矩 Holding Torque (N.cm)	转动惯量 Rotor Torque (g.cm²)	引线数 Lead Wires (NO.)
17KS3415	34	2.6	1.5	1.8	2.8	22	35	4
17KS4415	40	3.3	1.5	2.2	4.6	35	55	4
17KS5425	48	2	2.5	0.8	1.8	50	70	4
17KS6425	60	2.5	2.5	1	2.8	60	105	4

17KS系列
空心轴电机
Hollow shaft motor



M 机身说明
Motor Length

型号	机身长
17K3SXXX	34 mm
17K4SXXX	40 mm
17K5SXXX	48 mm
17K6SXXX	60 mm

* 以上仅为代表性产品,派生产品可根据客户要求制作。 We can manufacture products according to customer's requirement.

* 以上仅为代表性产品,派生产品可根据客户要求制作。 We can manufacture products according to customer's requirement.

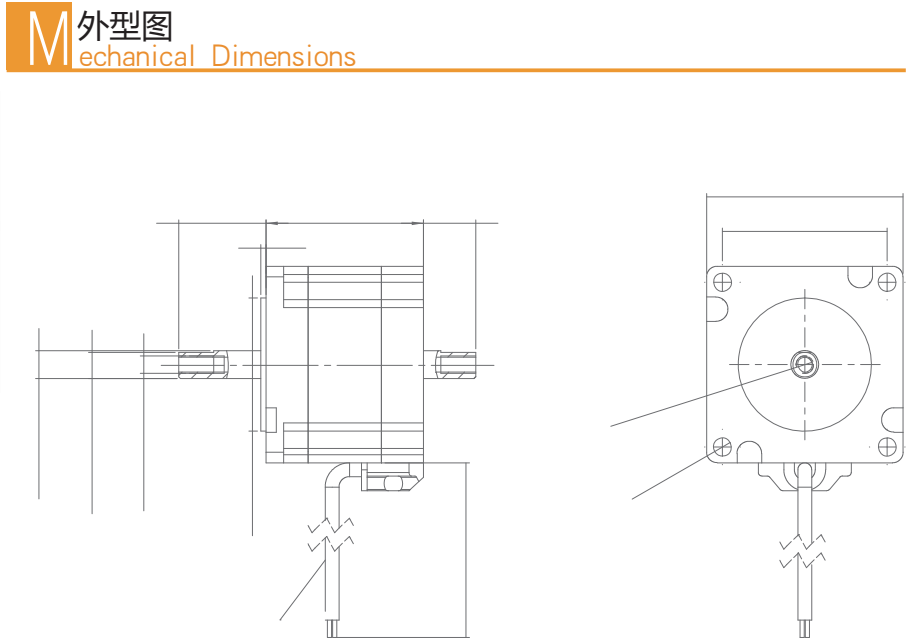


23KS 系列
空心轴电机
Hollow shaft motor



M 机身说明
otor Length

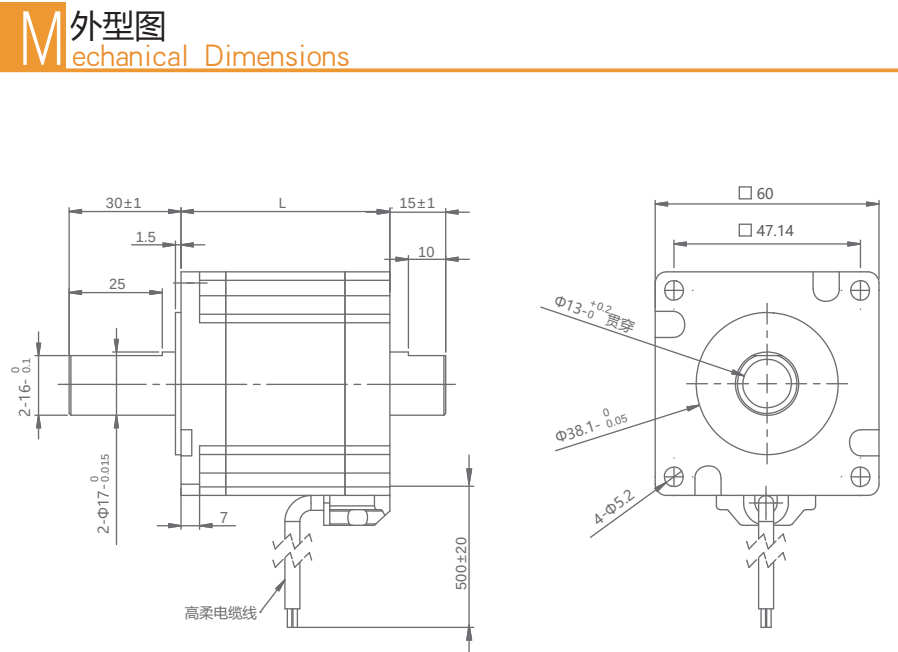
型号	机身长
23KS6XXX	55 mm
23KS8XXX	75 mm



E 技术数据
lectrical Specifications

型号 Series Mode	机身长 Motor Length (mm)	电压 Rated Voltage (V)	电流 Rated Current (A)	电阻 Phase Resistance (Ω)	电感 Phase Inductance (mH)	静力矩 Holding Torque (N.cm)	转动惯量 Rotor Torque (g.cm ²)	引线数 Lead Wires (NO.)
23KS6430	55	2.6	3	0.86	2.6	100	300	4
23KS8440	75	3	4	0.76	3.2	180	400	4

* 以上仅为代表性产品,派生产品可根据客户要求制作。 We can manufacture products according to customer's requirement.



24KS系列
空心轴电机
Hollow shaft motor



M 机身说明
otor Length

型号	机身长
24KS5XXX	55 mm
24KS7XXX	75 mm

E 技术数据
lectrical Specifications

型号 Series Mode	机身长 Motor Length (mm)	电压 Rated Voltage (V)	电流 Rated Current (A)	电阻 Phase Resistance (Ω)	电感 Phase Inductance (mH)	静力矩 Holding Torque (N.cm)	转动惯量 Rotor Torque (g.cm ²)	引线数 Lead Wires (NO.)
24KS5450	55	2.1	5	0.42	1.3	150	340	4
24KS7450	75	2.9	5	0.57	1.98	250	590	4

* 以上仅为代表性产品,派生产品可根据客户要求制作。 We can manufacture products according to customer's requirement.



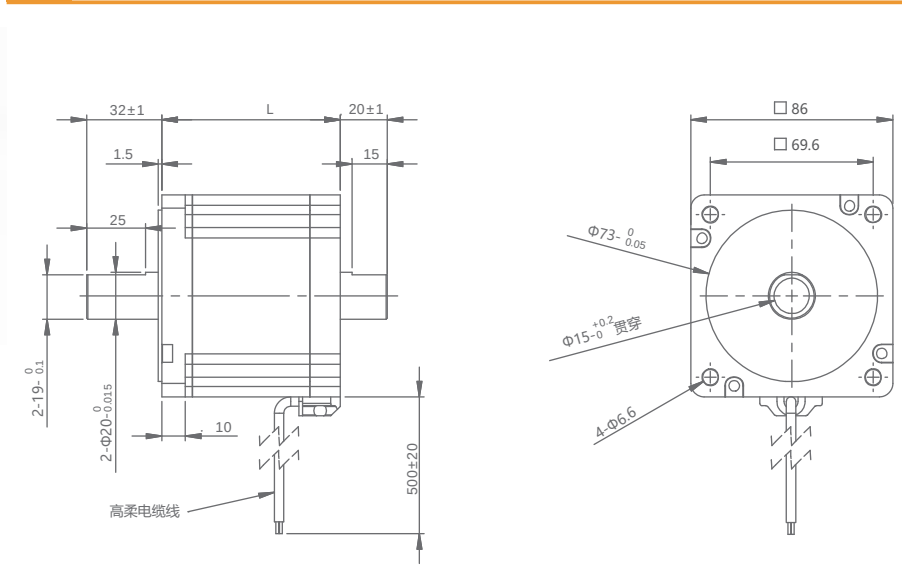
34KS 系列
空心轴电机
Hollow shaft motor



M 机身说明
Motor Length

型号	机身长
34KS7XXX	76 mm
34KS1XXX	114 mm

M 外型图
Mechanical Dimensions

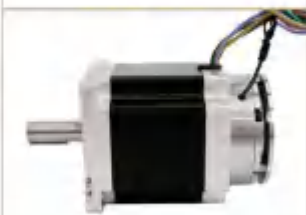


E 技术数据
Electrical Specifications

型号 Series Model	机身长 Motor Length (mm)	电压 Rated Voltage (V)	电流 Rated Current (A)	电阻 Phase Resistance (Ω)	电感 Phase Inductance (mH)	静力矩 Holding Torque (N.cm)	转动惯量 Rotor Torque (g.cm ²)	引线数 Lead Wires (NO.)
34KS7460	76	3.0	6	0.5	4	400	1300	4
34KS1460	114	3.6	6	0.6	8	800	2500	4

Brake Stepper Motor

刹车步进电机



* 以上仅为代表性产品,派生产品可根据客户要求制作。 We can manufacture products according to customer's requirement.



17HS系列

刹车电机 一体式

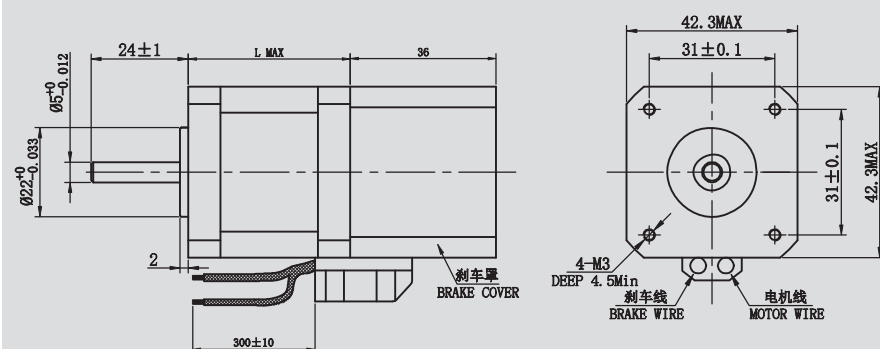
Integrated brake stepper motor



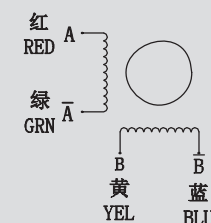
M 机身说明 Motor Length

型号	机身长
17HS3XXX-S0.5-T	70 mm
17HS4XXX-S0.5-T	76 mm
17HS5XXX-S0.5-T	84 mm

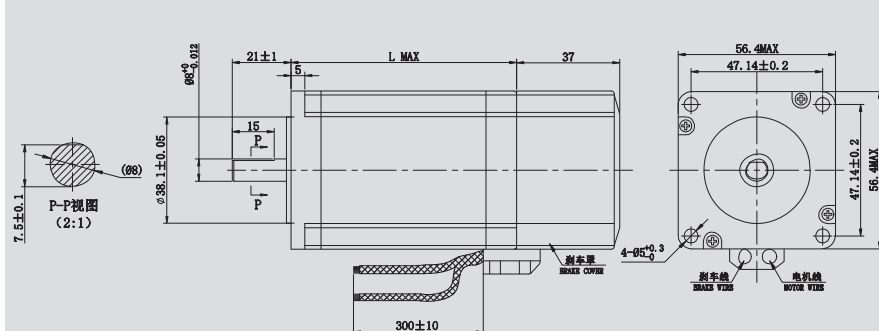
M 外型图 Mechanical Dimensions



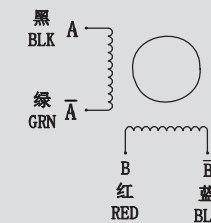
W 接线图 Wiring Diagram



M 外型图 Mechanical Dimensions



W 接线图 Wiring Diagram



23HS系列

刹车电机 一体式

Integrated brake stepper motor



M 机身说明 Motor Length

型号	机身长
23HS6XXX-S2-T	93 mm
23HS8XXX-S2-T	113 mm
23HS9XXX-S2-T	121 mm
23HS2XXX-S2-T	149 mm

E 技术数据 Electrical Specifications

型号 Series Mode	步距角 Step Angle (°)	机身长 Motor Length (mm)	电压 Rated Voltage (V)	电流 Rated Current (A)	电阻 Phase Resistance (Ω)	电感 Phase Inductance (mH)	静力矩 Holding Torque (N.m)	定位力矩 Detent Torque (N.cm Max)	转动惯量 Rotor Torque (g.cm²)	引线数 Lead Wires (NO.)	刹车力矩 Braking Torque (N.m)
23HS6420-S2-T	1.8	93	3	2	1.5	5.8	1.26	4	300	6	2
23HS6428-S2-T	1.8	93	2.52	2.8	0.9	3.5	1.26	4	300	6	2
23HS6440-S2-T	1.8	93	2	4	0.5	1.8	1.26	4	300	6	2
23HS8430-S2-T	1.8	113	3	3	1	4	1.9	6.8	480	6	2
23HS8440-S2-T	1.8	113	2.4	4	0.6	2.2	1.9	6.8	480	6	2
23HS8450-S2-T	1.8	113	2.25	5	0.45	1.65	1.9	6.8	480	6	2
23HS9430-S2-T	1.8	121	3.6	3	1.2	4.9	2.2	7.2	530	6	2
23HS9440-S2-T	1.8	121	3.48	4	0.87	3.1	2.4	7.2	530	6	2
23HS2430-S2-T	1.8	149	4.5	3	1.5	7	3	12	800	6	2
23HS2442-S2-T	1.8	149	3.36	4.2	0.8	3.8	3	12	800	6	2

E 技术数据 Electrical Specifications

型号 Series Mode	步距角 Step Angle (°)	机身长 Motor Length (mm)	电压 Rated Voltage (V)	电流 Rated Current (A)	电阻 Phase Resistance (Ω)	电感 Phase Inductance (mH)	静力矩 Holding Torque (N.m)	定位力矩 Detent Torque (N.cm Max)	转动惯量 Rotor Torque (g.cm²)	引线数 Lead Wires (NO.)	刹车力矩 Braking Torque (N.m)
17HS3404-S0.5-T	1.8	70	12	0.4	30	38	0.28	1.6	35	6	0.5
17HS3413-S0.5-T	1.8	70	3.25	1.3	2.5	3	0.28	1.6	35	6	0.5
17HS4413-S0.5-T	1.8	76	3.25	1.3	2.5	5	0.5	2.2	54	6	0.5
17HS4417-S0.5-T	1.8	76	2.55	1.7	1.5	2.8	0.5	2.2	54	6	0.5
17HS5412-S0.5-T	1.8	84	3.6	1.2	3	5.5	0.58	2	68	6	0.5
17HS5417-S0.5-T	1.8	84	3	1.68	1.8	3.2	0.58	2	68	6	0.5
17HS5425-S0.5-T	1.8	84	3	2.5	1.2	1.9	0.58	2.8	68	6	0.5



34HS系列

刹车电机 一体式

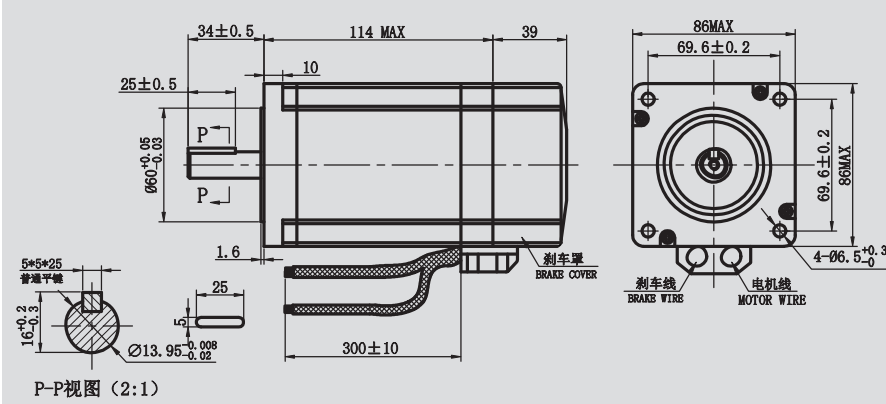
Integrated brake stepper motor



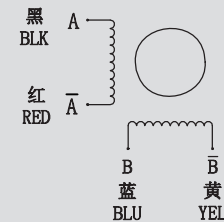
M 机身说明 Motor Length

型号	机身长
34HS7XXX-S6-T	117 mm
34HS1XXX-S6-T	153 mm
34HS5XXX-S6-T	189 mm

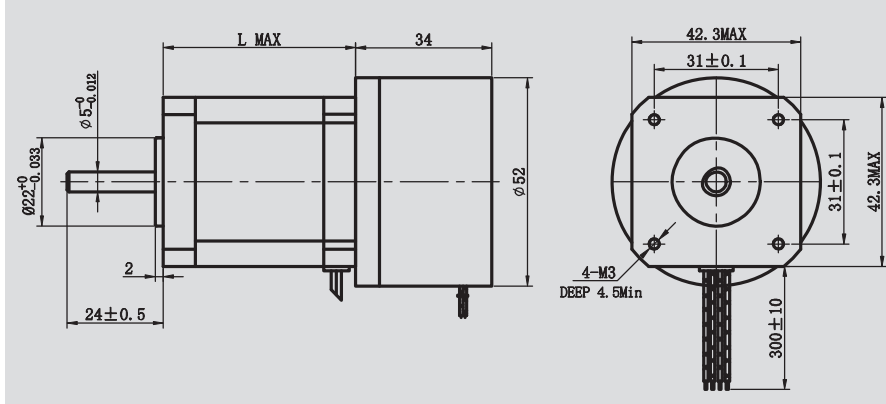
M 外型图 Mechanical Dimensions



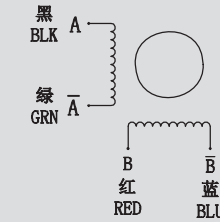
W 接线图 Wiring Diagram



M 外型图 Mechanical Dimensions



W 接线图 Wiring Diagram



17HS系列

刹车电机 分体式

Split brake stepper motor



M 机身说明 Motor Length

型号	机身长
17HS3XXX-SX	68 mm
17HS4XXX-SX	74 mm
17HS5XXX-SX	82 mm
17HS6XXX-SX	94 mm

E 技术数据 Electrical Specifications

型号 Series Mode	步距角 Step Angle (°)	机身长 Motor Length (mm)	电压 Rated Voltage (V)	电流 Rated Current (A)	电阻 Phase Resistance (Ω)	电感 Phase Inductance (mH)	静力矩 Holding Torque (N·m)	定位力矩 Detent Torque (N·cm Max)	转动惯量 Rotor Torque (g·cm²)	引线数 Lead Wires (NO.)	刹车力矩 Braking Torque (N·m)
34HS7440-S6-T	1.8	117	1.36	4	0.34	2.86	4.5	6.5	1400	6	6
34HS1450-S6-T	1.8	153	2.1	5	0.42	4	8	12.5	2200	6	6
34HS1460-S6-T	1.8	153	3	6	0.3	3.7	8.5	12.5	2200	6	6
34HS5435-S6-T	1.8	189	5.6	3.5	1.7	21	13.5	24.5	3600	6	6
34HS5460-S6-T	1.8	189	3.6	6	0.6	8	13.5	24.5	3600	6	6

E 技术数据 Electrical Specifications

型号 Series Mode	步距角 Step Angle (°)	机身长 Motor Length (mm)	电压 Rated Voltage (V)	电流 Rated Current (A)	电阻 Phase Resistance (Ω)	电感 Phase Inductance (mH)	静力矩 Holding Torque (N·m)	定位力矩 Detent Torque (N·cm Max)	转动惯量 Rotor Torque (g·cm²)	引线数 Lead Wires (NO.)	刹车力矩 Braking Torque (N·m)
17HS3404-S1	1.8	68	12	0.4	30	38	0.28	1.6	35	6	1/2
17HS3413-S1	1.8	68	3.25	1.3	2.5	3	0.28	1.6	35	6	1/2
17HS4413-S1	1.8	74	3.25	1.3	2.5	5	0.5	2.2	54	6	1/2
17HS4417-S1	1.8	74	2.55	1.7	1.5	2.8	0.5	2.2	54	6	1/2
17HS5412-S1	1.8	82	3.6	1.2	3	5.5	0.58	2	68	6	1/2
17HS5417-S1	1.8	82	3	1.68	1.8	3.2	0.58	2	68	6	1/2
17HS5425-S1	1.8	82	3	2.5	1.2	1.9	0.58	2.8	68	6	1/2
17HS6420-S1	1.8	94	3.6	2	1.8	4.5	0.8	3.2	102	6	1/2



23HS系列

刹车电机 分体式

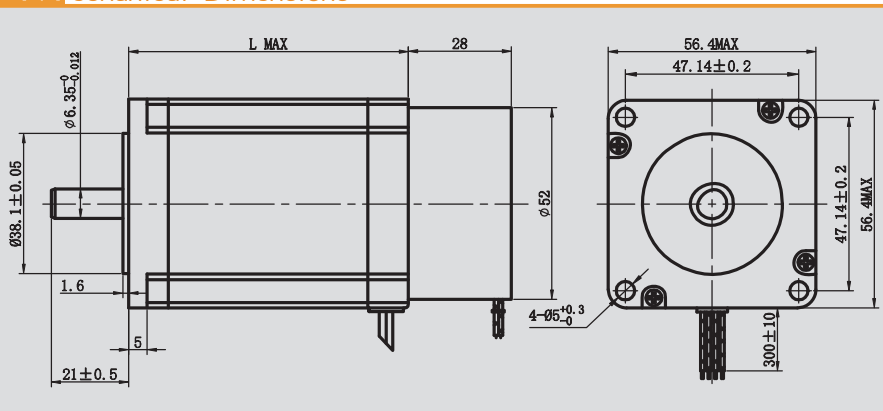
Split brake stepper motor



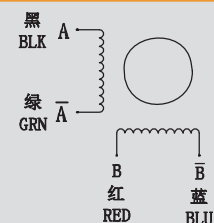
M 机身说明 Motor Length

型号	机身长
23HS6XXX-S1	84 mm
23HS8XXX-S2	104 mm
23HS9XXX-S2	112 mm
23HS2XXX-S2	140 mm

M 外型图 Mechanical Dimensions



W 接线图 Wiring Diagram

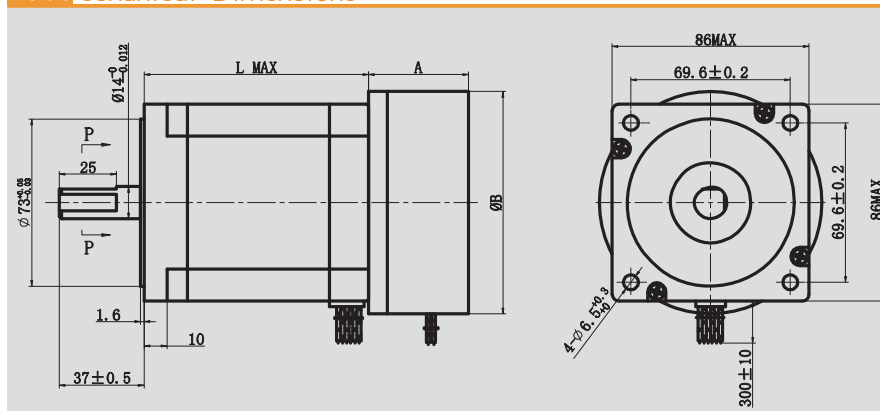


E 技术数据

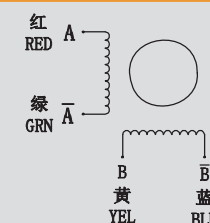
Electrical Specifications

型号 Series Mode	步距角 Step Angle (°)	机身长 Motor Length (mm)	电压 Rated Voltage (V)	电流 Rated Current (A)	电阻 Phase Resistance (Ω)	电感 Phase Inductance (mH)	静力矩 Holding Torque (N·m)	定位力矩 Detent Torque (N·cm Max)	转动惯量 Rotor Torque (g·cm²)	引线数 Lead Wires (NO.)	刹车力矩 Braking Torque (N·m)
23HS6420-S1	1.8	84	3	2	1.5	5.8	1.26	4	300	6	1/2
23HS6428-S1	1.8	84	2.52	2.8	0.9	3.5	1.26	4	300	6	1/2
23HS6440-S1	1.8	84	2	4	0.5	1.8	1.26	4	300	6	1/2
23HS8430-S2	1.8	104	3	3	1	4	1.9	6.8	480	6	1/2
23HS8440-S2	1.8	104	2.4	4	0.6	2.2	1.9	6.8	480	6	1/2
23HS8450-S2	1.8	104	2.25	5	0.45	1.65	1.9	6.8	480	6	1/2
23HS9430-S2	1.8	112	3.6	3	1.2	4.9	2.2	7.2	530	6	1/2
23HS9440-S2	1.8	112	3.48	4	0.87	3.1	2.4	7.2	530	6	1/2
23HS2430-S2	1.8	140	4.5	3	1.5	7	3	12	800	6	1/2
23HS2442-S2	1.8	140	3.36	4.2	0.8	3.8	3	12	800	6	1/2

M 外型图 Mechanical Dimensions



W 接线图 Wiring Diagram



E 技术数据

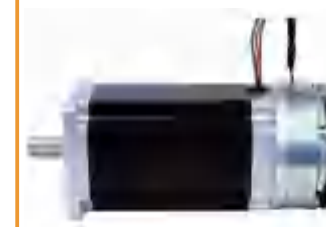
Electrical Specifications

型号 Series Mode	步距角 Step Angle (°)	机身长 Motor Length (mm)	电压 Rated Voltage (V)	电流 Rated Current (A)	电阻 Phase Resistance (Ω)	电感 Phase Inductance (mH)	静力矩 Holding Torque (N·m)	定位力矩 Detent Torque (N·cm Max)	转动惯量 Rotor Torque (g·cm²)	引线数 Lead Wires (NO.)	刹车力矩 Braking Torque (N·m)
34HS7440-S4	1.8	112	1.36	4	0.34	2.86	4.5	6.5	1400	6	4/8
34HS1450-S8	1.8	158	2.1	5	0.42	4	8	12.5	2200	6	4/8
34HS1460-S8	1.8	158	3	6	0.3	3.7	8.5	12.5	2200	6	4/8
34HS5435-S8	1.8	194	5.6	3.5	1.7	21	13.5	24.5	3600	6	4/8
34HS5460-S8	1.8	194	3.6	6	0.6	8	13.5	24.5	3600	6	4/8

34HS系列

刹车电机 分体式

Split brake stepper motor



M 机身说明 Motor Length

型号	机身长
34HS7XXX-S4	112 mm
34HS1XXX-S8	158 mm
34HS5XXX-S8	194 mm



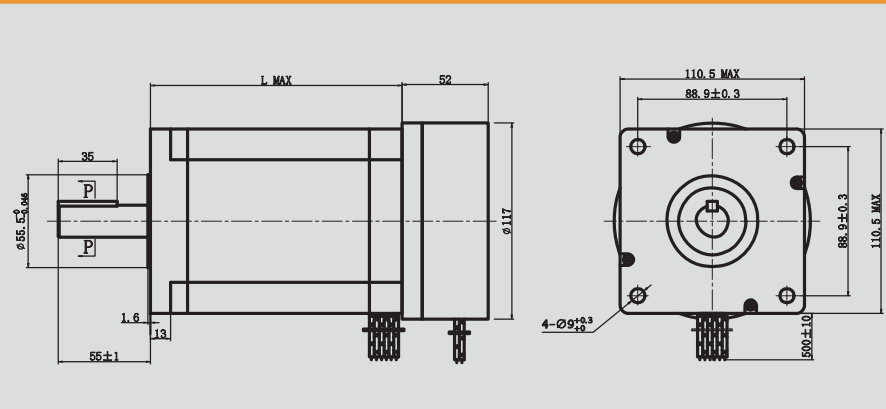
42HS系列 刹车电机 分体式 Split brake stepper motor



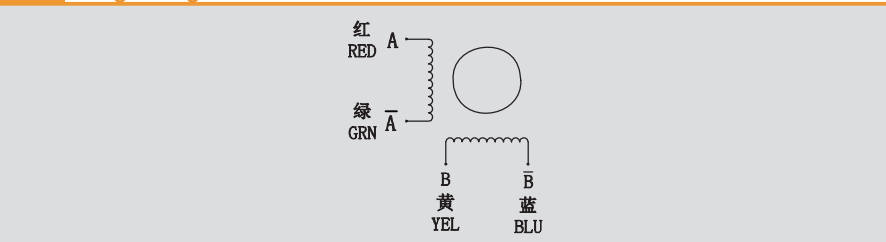
M 机身说明 Motor Length

型号	机身长
42HS9XXX-S16	152 mm
42HS0XXX-S16	167 mm
42HS1XXX-S16	202 mm
42HS2XXX-S16	253 mm

M 外型图 Mechanical Dimensions



W 接线图 Wiring Diagram



E 技术数据 Electrical Specifications

型号 Series Model	步距角 Step Angle (°)	机身长 Motor Length (mm)	电压 Rated Voltage (V)	电流 Rated Current (A)	电阻 Phase Resistance (Ω)	电感 Phase Inductance (mH)	静力矩 Holding Torque (N.m)	定位力矩 Detent Torque (N.cm Max)	转动惯量 Rotor Torque (g.cm²)	引线数 Lead Wires (NO.)	刹车力矩 Braking Torque (N.m)
42HS9460-S16	1.8	152	3	6	0.5	6	12.5	30	5500	6	16
42HS0460-S16	1.8	167	3	6	0.5	8	15	35	7200	6	16
42HS1460-S16	1.8	202	4.8	6	0.8	18	23	59	10900	6	16
42HS2480-S16	1.8	253	5.6	8	0.7	13	28	95	16200	6	16

Ball screw linear stepper motor

滚珠丝杆电机



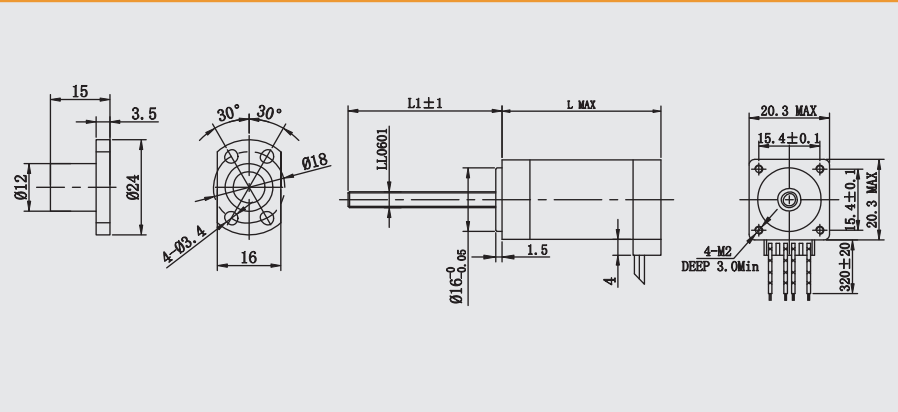


滚珠丝杆电机选型表 Stepper Ball screw selection

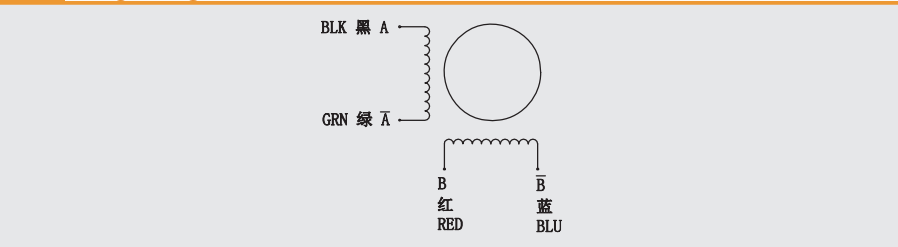
规格 Size	丝杆直径mm Screw diameter mm	导程mm Lead mm	步长mm Travel per step	8HSLG 8HSLG	11HSLG 11HSLG	14HSLG 14HSLG	17HSLG系列 17HSLG	23HSLG系列 23HSLG	34HSLG系列 34HSLG
0601	6	1	0.005	●	●	○	\\	\\	\\
0802	8	2	0.01	○	●	●	●	●	\\
1002	10	2	0.01	\\	○	●	●	●	\\
1003	10	3	0.015	\\	○	●	●	●	\\
1202	12	2	0.01	\\	\\	●	●	●	\\
1203	12	3	0.015	\\	\\	●	●	●	\\
1204	12	4	0.02	\\	\\	●	●	●	\\
1205	12	5	0.025	\\	\\	●	●	●	\\
1210	12	10	0.05	\\	\\	●	●	●	\\
1220	12	20	0.1	\\	\\	●	●	●	\\
1403	14	3	0.015	\\	\\	\\	○	●	\\
1404	14	4	0.02	\\	\\	\\	○	●	\\
1602	16	2	0.01	\\	\\	\\	○	●	●
1603	16	3	0.015	\\	\\	\\	○	●	●
1604	16	4	0.02	\\	\\	\\	○	●	●
1605	16	5	0.025	\\	\\	\\	○	●	●
1610	16	10	0.05	\\	\\	\\	○	●	●
1616	16	16	0.08	\\	\\	\\	○	●	●
1620	16	20	0.1	\\	\\	\\	○	●	●
2005	20	5	0.025	\\	\\	\\	\\	\\	●
2010	20	10	0.05	\\	\\	\\	\\	\\	●
2020	20	20	0.1	\\	\\	\\	\\	\\	●
2050	20	50	0.25	\\	\\	\\	\\	\\	●

“●” 推荐, “○” 可选, “\\” 不推荐。 “●” Recommended, “○” Optional, “\\” Not recommended.

M外型图
Mechanical Dimensions



W接线图
Wiring Diagram



E技术数据
Electrical Specifications

型号 Series Model	步距角 Step Angle (°)	机身长 Motor Length (mm)	电压 Rated Voltage (V)	电流 Rated Current (A)	电阻 Phase Resistance (Ω)	电感 Phase Inductance (mH)	静力矩 Holding Torque (N.cm)	定位力矩 Detent Torque (N.cm Max)	转动惯量 Rotor Torque (g.cm²)	引线数 Lead Wires (NO.)
8HSLG3406	1.8	34	2.7	0.6	4.5	2	1.8	0.3	3.2	4
8HSLG4406	1.8	40	3.3	0.6	5.5	2.3	2.6	0.5	4.5	4

* 以上仅为代表性产品,派生产品可根据客户要求制作。 We can manufacture products according to customer's requirement.

8HSLG系列
滚珠丝杆电机
Ball screw linear stepper motor



M机身说明
Motor Length

型号	机身长
8HSLG3XXX	34mm
8HSLG4XXX	40mm

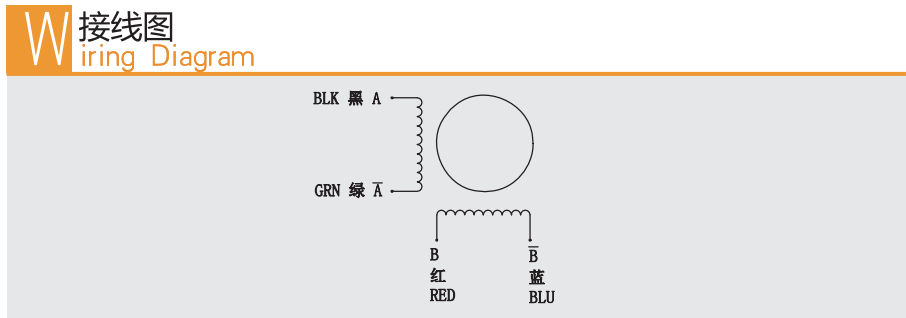
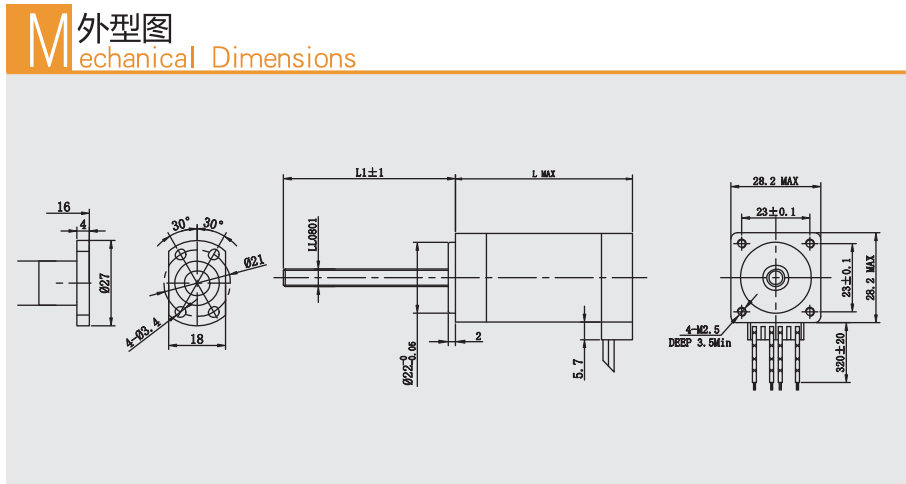


11HSLG系列
滚珠丝杆电机
Ball screw linear stepper motor



M 机身说明
Motor Length

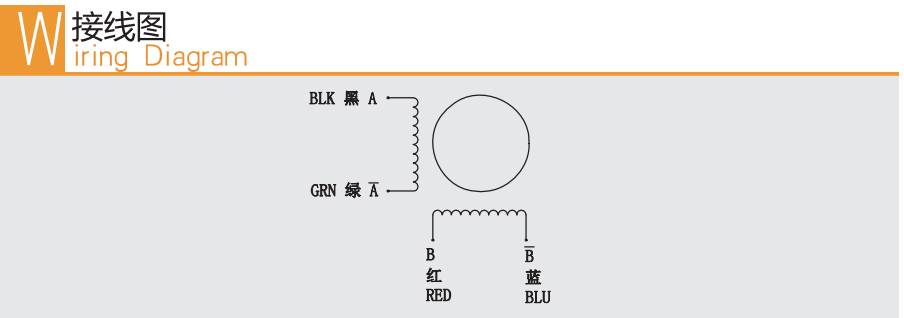
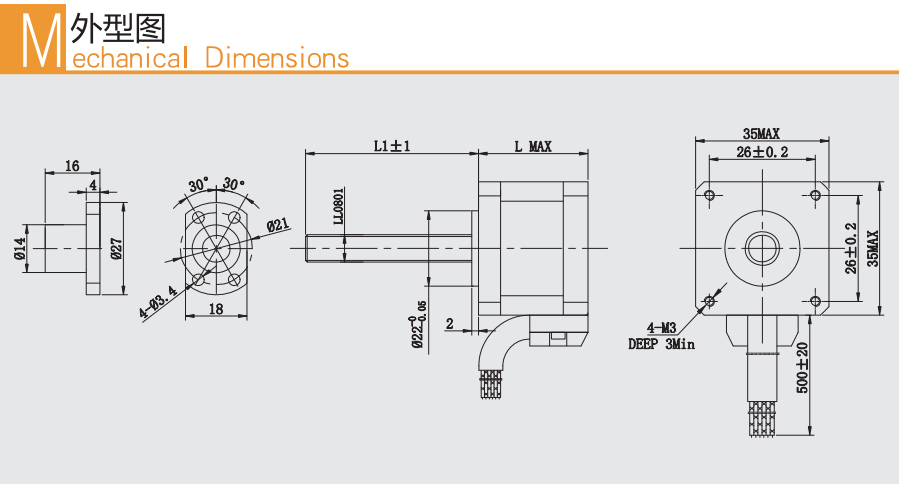
型号	机身长
11HSLG3XXX	32mm
11HSLG4XXX	40mm
11HSLG5XXX	50mm



E 技术数据
Electrical Specifications

型号 Series Mode	步距角 Step Angle (°)	机身长 Motor Length (mm)	电压 Rated Voltage (V)	电流 Rated Current (A)	电阻 Phase Resistance (Ω)	电感 Phase Inductance (mH)	静力矩 Holding Torque (N.cm)	定位力矩 Detent Torque (N.cm Max)	转动惯量 Rotor Torque (g.cm²)	引线数 Lead Wires (NO.)
11HSLG3406	1.8	32	3.8	0.67	5.6	3.8	6	0.4	9	4
11HSLG4406	1.8	40	4.2	0.6	7	8	6	0.5	11	4
11HSLG5406	1.8	50	6.2	0.67	9.2	8.9	12	0.8	18	4

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E 技术数据
Electrical Specifications

型号 Series Mode	步距角 Step Angle (°)	机身长 Motor Length (mm)	电压 Rated Voltage (V)	电流 Rated Current (A)	电阻 Phase Resistance (Ω)	电感 Phase Inductance (mH)	静力矩 Holding Torque (N. m)	定位力矩 Detent Torque (N.cm Max)	转动惯量 Rotor Torque (g.cm²)	引线数 Lead Wires (NO.)
14HSLG2410	1.8	28	3	1	3	4	0.12	0.8	11	4
14HSLG3412	1.8	34	3.12	1.2	2.6	5	0.18	1	13	4

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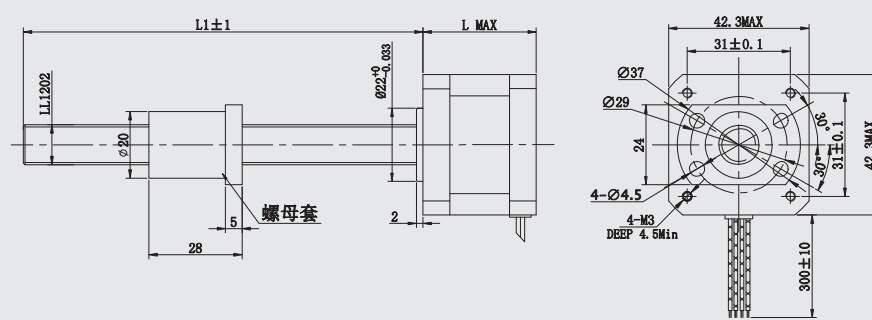


17HSLG系列 滚珠丝杆电机

Ball screw linear stepper motor



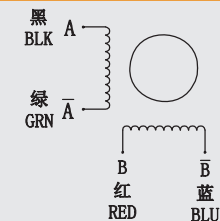
M 外型图 Mechanical Dimensions



M 机身说明 Motor Length

型号	机身长
17HSLG3XXX	34mm
17HSLG4XXX	40mm
17HSLG5XXX	48mm

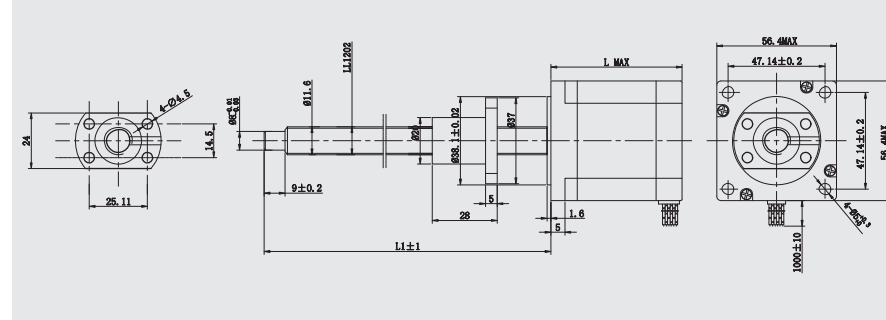
W 接线图 Wiring Diagram



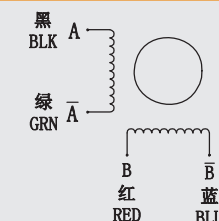
E 技术数据 Electrical Specifications

型号 Series Mode	步距角 Step Angle (°)	机身长 Motor Length (mm)	电压 Rated Voltage (V)	电流 Rated Current (A)	电阻 Phase Resistance (Ω)	电感 Phase Inductance (mH)	静力矩 Holding Torque (N·m)	定位力矩 Detent Torque (N·cm Max)	转动惯量 Rotor Torque (g·cm²)	引线数 Lead Wires (NO.)
17HSLG3413	1.8	34	3.25	1.3	2.5	3	0.28	1.6	35	4
17HSLG4417	1.8	40	2.55	1.7	1.5	2.8	0.5	2.2	54	4
17HSLG5425	1.8	48	3	2.5	1.2	1.9	0.58	2.8	68	4

M 外型图 Mechanical Dimensions



W 接线图 Wiring Diagram



E 技术数据 Electrical Specifications

型号 Series Mode	步距角 Step Angle (°)	机身长 Motor Length (mm)	电压 Rated Voltage (V)	电流 Rated Current (A)	电阻 Phase Resistance (Ω)	电感 Phase Inductance (mH)	静力矩 Holding Torque (N·m)	定位力矩 Detent Torque (N·cm Max)	转动惯量 Rotor Torque (g·cm²)	引线数 Lead Wires (NO.)
23HSLG6428	1.8	56	2.52	2.8	0.9	3.5	1.26	4	300	4
23HSLG8430	1.8	76	3	3	1	4	1.9	6.8	480	4

23HSLG系列 滚珠丝杆电机

Ball screw linear stepper motor



M 机身说明 Motor Length

型号	机身长
23HSLG6XXX	56mm
23HSLG8XXX	76mm



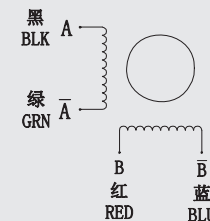
www.act-motor.cn
www.act-motor.com

Ball screw linear stepper motor



型号	机身長
34HSLG7XXX	78mm
34HSLG1XXX	114mm

M 外型图
Mechanical Dimensions



E 技术数据
Electrical Specifications

型号 Series Mode	步距角 Step Angle (°)	机身長 Motor Length (mm)	电压 Rated Voltage (V)	电流 Rated Current (A)	电阻 Phase Resistance (Ω)	电感 Phase Inductance (mH)	静力矩 Holding Torque (N. m)	定位力矩 Detent Torque (N.cm Max)	转动惯量 Rotor Torque (g.cm²)	引线数 Lead Wires (NO.)
34HSL7440	1.8	78	1.36	4	0.34	2.86	4.5	6.5	1400	4
34HSL1450	1.8	114	2.1	5	0.42	4	8	12.5	2200	4

ACME丝杆电机命名规则 ACME Lead Screw Motor Naming Convention

P-17-E-S-3-4-15-6.35-100-A-I-XXX

1 2 3 4 5 6 7 8 9 10 11 12

>> 型号定义

1	前缀 Prefix	P 代表零位传感器或者原点位置开关 T代表高温电机 P= home sensor or home position switch T= high temperature motor
2	电机尺寸 Motor size	17代表NEMA42电机， 常规有8,11,14,17,23,24,34等 17= NEMA42 motors, conventionally there are 8, 11, 14, 17, 23, 24, 34, etc.
3	电机类型 Motor type	E 外部驱动式 N 贯通轴式 NC 贯通-固定轴式 EC 外驱-固定轴式(电缸) E=external N= Non-Captive NC = Non-Captive + Electric Cylinder (Captive) Linear Actuator EC= external &electric Cylinder (Captive)
4	电机步距角 Motor step angle	S 代表两相 1.8° M 代表两相0.9° S = 2 Phase with 1.8° M= 2 Phase with 0.9°
5	电机机身长度 Motor body length	3 代表机身长度34mm 3 =34mm motor length
6	电机极性 Motor polarity	4 代表双极性4线 6 代表单极性6线 4=bipolar 4-wire 6 =unipolar 6-wire
7	电机额定电流 Motor rated current	15 代表1.5A 15= 1.5A
8	丝杆导程 Screw lead	6.35 代表ACME丝杆导程6.35mm 6.35 means the lead of DCME screw is 6.35mm
9	丝杆长度 Screw length	"外部驱动轴式和贯通轴式电机， 该数字100代表丝杆长度100mm 固定轴式和电缸， 该数字100代表电机出轴线性运动的行程100mm" For External and Non-captive motor, 100 means the screw ' s length is 100mm For Captive and electric cylinder motor, 100 represents the stroke of the linear movement of the motor output shaft is 100mm
10	客户定制化选项 Customer customization options	A 代表消隙螺母 B 代表刹车 T 代表丝杆特氟龙 P 代表手轮 A= anti-backlash nut B= Brake T= screw Teflon p= Manual Knob
11	智能配置 smart configuration	I 代表有编码器(闭环) ID 代表有控制和驱动器(驱控一体) I= Encoder ID= With control and drive (integrated drive and control)
12	电机序列编号 Motor serial number	XXX用于区分不同客户订购的相同规格电机， 标准电机不带此编号 XX is used to distinguish motors of the same specification ordered by different customers, standard motors do not have this model number

>>该型号详细说明

带零位传感器或者原点位置开关, 42系列闭环外部驱动式ACME丝杆电机, 两相1.8°, 机身长34mm, 丝杆导程6.35mm
额定相电流1.5A, 双极性4根引出线, 丝杆长度100mm, 带消隙螺母。

>>Detailed description of this model

With zero sensor or home position switch, 42 series closed-loop external drive ACME screw motor, two phase 1.8° body length 34mm screw lead 6.35mm rated phase current 1.5A bipolar 4 leads, screw length 100mm, with anti-backlash nut

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8NS系列

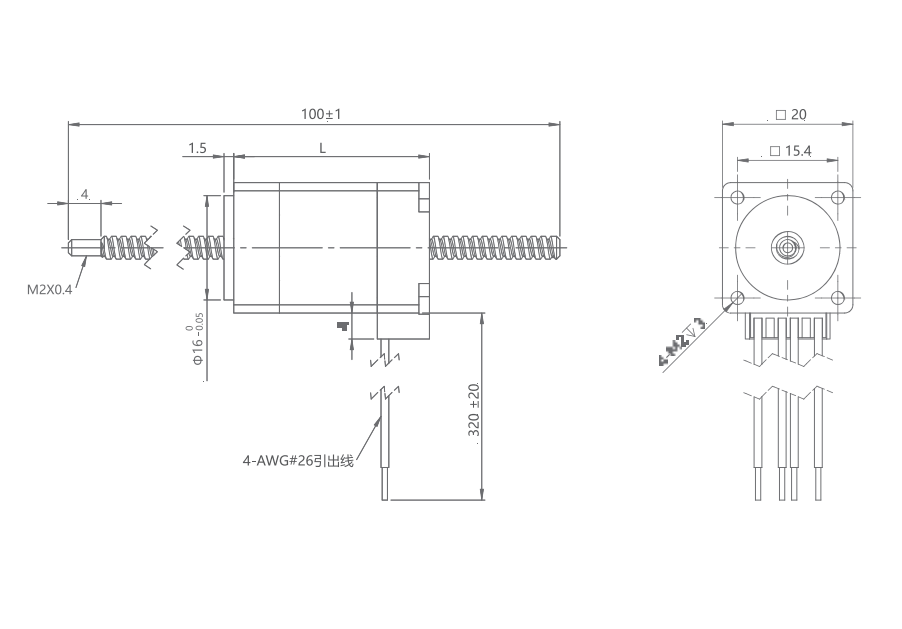
ACME丝杆步进电机
ACME screw stepper motor



M 机身说明
Motor Length

型号	机身长
8NS3XXX	30mm
8NS4XXX	42mm

M 外型图
Mechanical Dimensions



>> 丝杆规格

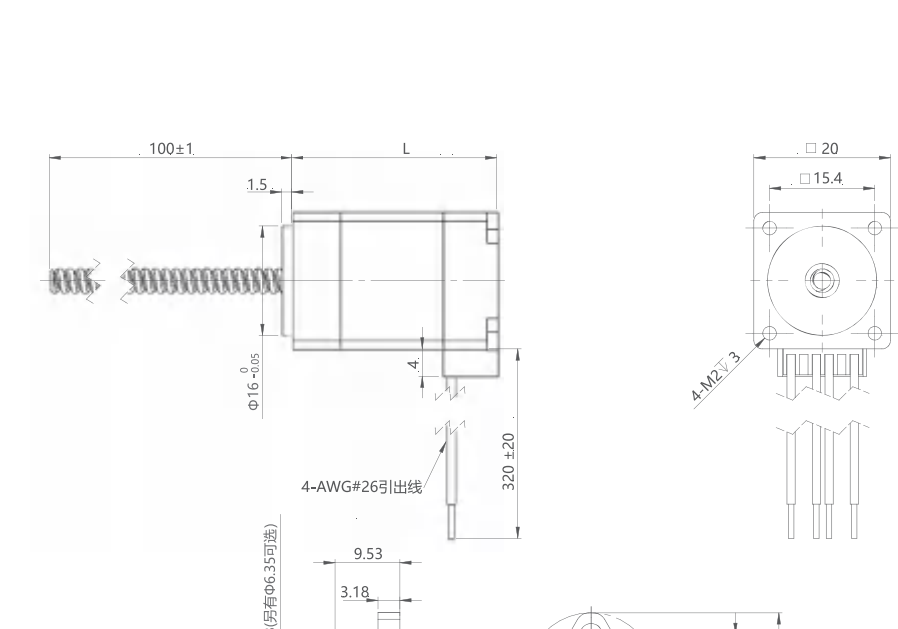
丝杆直径(mm) Lead screw diameter	导程(mm) Lead	步长(mm) Step	断电自锁力(N) Power off self-locking force
3.5	0.6096	0.003048	80
3.5	1	0.005	40
3.5	2	0.01	10
3.5	4	0.02	1
3.5	8	0.04	0

E 技术数据
Electrical Specifications

型号 Series Mode	步距角 Step Angle (1.8°)	机身长 Motor Length (mm)	电压 Rated Voltage (V)	电流 Rated Current (A)	电阻 Phase (Ω)	电感 Phase Inductance (mH)	转动惯量 Rotor Torque (g.cm²)	引线数 Lead Wires (NO.)	重量 Motor Weight (g)
8NS3405	1.8	30	2.5	0.5	5.1	1.5	2	4	50
8NS4405	1.8	42	6.3	0.5	11	11	3	4	80

* 以上仅为代表性产品,派生产品可根据客户要求制作。 We can manufacture products according to customer's requirement.

M 外型图
Mechanical Dimensions



M 机身说明
Motor Length

型号	机身长
8ES3XXX	30mm
8ES4XXX	42mm

E 技术数据
Electrical Specifications

型号 Series Mode	步距角 Step Angle (1.8°)	机身长 Motor Length (mm)	电压 Rated Voltage (V)	电流 Rated Current (A)	电阻 Phase (Ω)	电感 Phase Inductance (mH)	转动惯量 Rotor Torque (g.cm²)	引线数 Lead Wires (NO.)	重量 Motor Weight (g)
8ES3405	1.8	30	2.5	0.5	5.1	1.5	2	4	50
8ES4405	1.8	42	6.3	0.5	11	11	3	4	80

* 以上仅为代表性产品,派生产品可根据客户要求制作。 We can manufacture products according to customer's requirement.



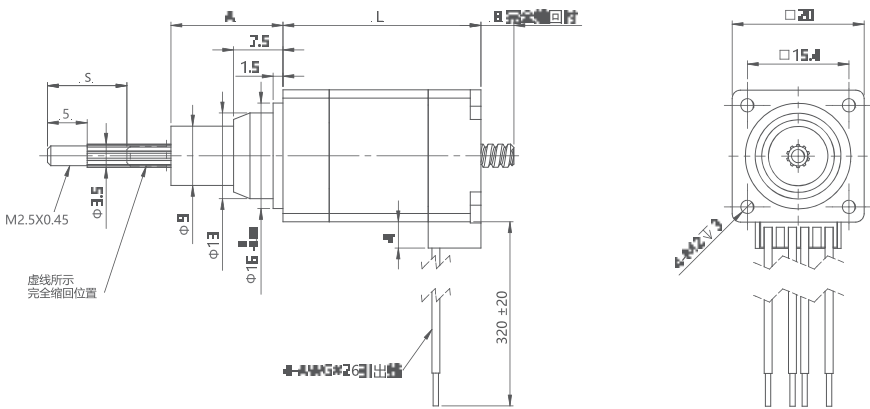
8NCS系列
ACME丝杆步进电机
ACME screw stepper motor



M 机身说明
Motor Length

型号	机身长
8NCS3XXX	30mm
8NCS4XXX	42mm

M 外型图
Mechanical Dimensions

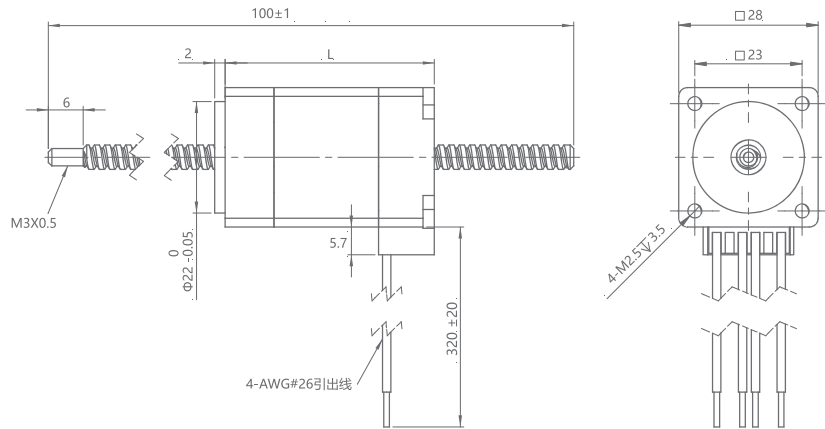


行程 S (mm) Stroke	尺寸 A (mm) Dimension A	尺寸 B (mm) Dimension B	
		L=30	L=42
9	14.6	0.4	0
12.7	18.3	4.1	0
19.1	24.7	10.5	0.3
25.4	31	16.8	6.6
31.8	37.4	23.2	13
38.1	43.7	29.5	19.3
50.8	56.4	42.2	32

E 技术数据
Electrical Specifications

型号 Series Mode	步距角 Step Angle (1.8°)	机身长 Motor Length (mm)	电压 Rated Voltage (V)	电流 Rated Current (A)	电阻 Phase (Ω)	电感 Phase Inductance (mH)	转动惯量 Rotor Torque (g.cm²)	引线数 Lead Wires (NO.)	重量 Motor Weight (g)
8NCS3405	1.8	30	2.5	0.5	5.1	1.5	2	4	50
8NCS4405	1.8	42	6.3	0.5	11	11	3	4	80

M 外型图
Mechanical Dimensions



>> 丝杆规格和性能参数

丝杆直径(mm) Lead screw diameter	导程(mm) Lead	步长(mm) Step	断电自锁力(N) Power off self-locking force
4.76	0.635	0.003175	100
4.76	1.27	0.00635	40
4.76	2.54	0.0127	10
4.76	5.08	0.0254	1
4.76	10.16	0.0508	0

E 技术数据
Electrical Specifications

型号 Series Mode	步距角 Step Angle (1.8°)	机身长 Motor Length (mm)	电压 Rated Voltage (V)	电流 Rated Current (A)	电阻 Phase (Ω)	电感 Phase Inductance (mH)	转动惯量 Rotor Torque (g.cm²)	引线数 Lead Wires (NO.)	重量 Motor Weight (g)
11NS3410	1.8	34	2.1	1	2.1	1.5	9	4	120
11NS4410	1.8	45	3.7	1	3.7	2.3	13	4	180

11NS系列
ACME丝杆步进电机
ACME screw stepper motor



M 机身说明
Motor Length

型号	机身长
11NS3XXX	34mm
11NS4XXX	45mm



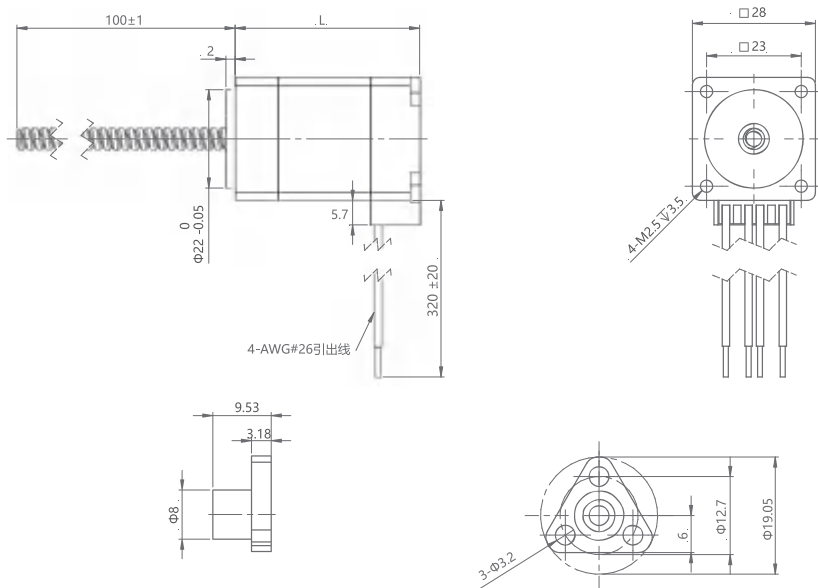
11ES系列
混合式丝杆步进电机
Hybrid screw stepper motor



M 机身说明
Motor Length

型号	机身长
11ES3XXX	34mm
11ES4XXX	45mm

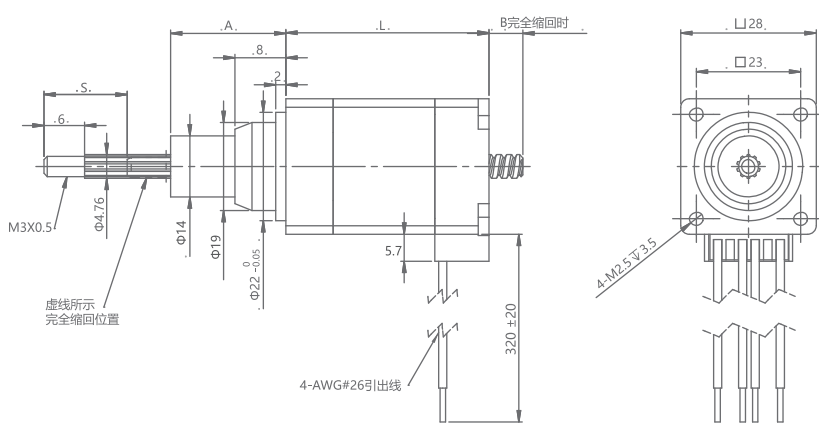
M 外型图
Mechanical Dimensions



E 技术数据
Electrical Specifications

型号 Series Mode	步距角 Step Angle (1.8°)	机身长 Motor Length (mm)	电压 Rated Voltage (V)	电流 Rated Current (A)	电阻 Phase (Ω)	电感 Phase Inductance (mH)	转动惯量 Rotor Torque (g.cm ²)	引线数 Lead Wires (NO.)	重量 Motor Weight (g)
11ES3410	1.8	34	2.1	1	2.1	1.5	9	4	120
11ES4410	1.8	45	3.7	1	3.7	2.3	13	4	180

M 外型图
Mechanical Dimensions



行程 S (mm) Stroke	尺寸 A (mm) Dimension A	尺寸 B (mm) Dimension B	
		L=34	L=42
12.7	19.8	6.5	0
19.1	26.2	12.9	0
25.4	32.5	19.2	5.9
31.8	38.9	25.6	12.3
38.1	45.2	31.9	18.6
50.8	57.9	44.6	31.3
63.5	70.6	57.3	44

E 技术数据
Electrical Specifications

型号 Series Mode	步距角 Step Angle (1.8°)	机身长 Motor Length (mm)	电压 Rated Voltage (V)	电流 Rated Current (A)	电阻 Phase (Ω)	电感 Phase Inductance (mH)	转动惯量 Rotor Torque (g.cm ²)	引线数 Lead Wires (NO.)	重量 Motor Weight (g)
11NCS3410	1.8	34	2.1	1	2.1	1.5	9	4	120
11NCS4410	1.8	45	3.7	1	3.7	2.3	13	4	180

11NCS系列
混合式丝杆步进电机
Hybrid screw stepper motor



M 机身说明
Motor Length

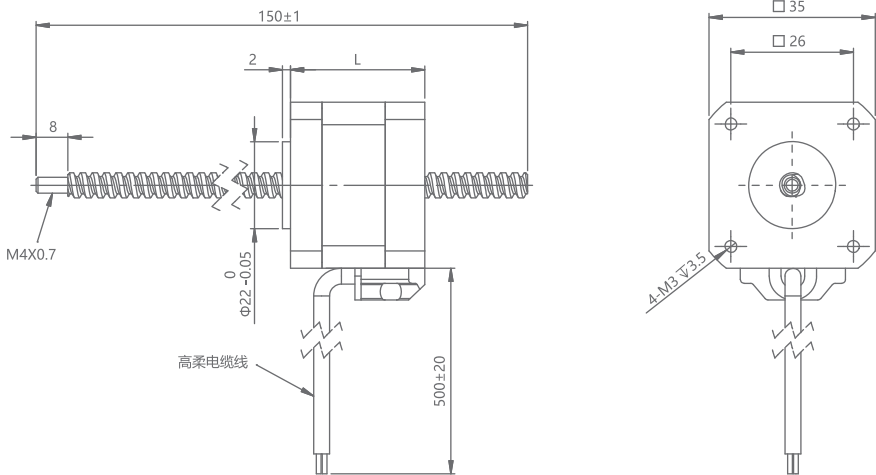
型号	机身长
11NCS3XXX	34mm
11NCS4XXX	45mm



14NS系列
ACME丝杆步进电机
ACME screw stepper motor



M外型图
Mechanical Dimensions



>>丝杆规格和性能参数

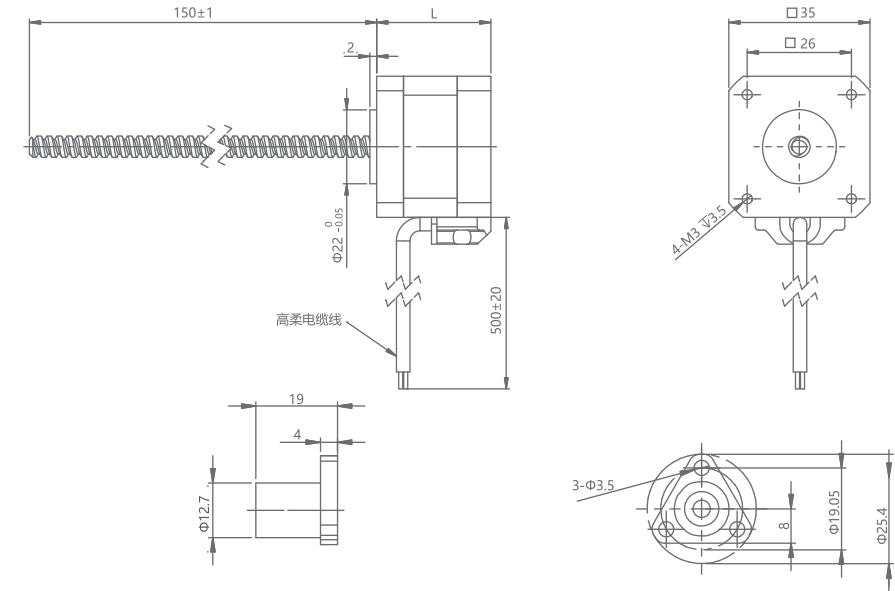
丝杆直径(mm) Lead screw diameter	导程(mm) Lead	步长(mm) Step	断电自锁力(N) Power off self-locking force
6.35	1.27	0.00635	150
6.35	2.54	0.0127	40
6.35	6.35	0.03175	15
6.35	12.7	0.0635	3
6.35	25.4	0.127	0

E技术数据
Electrical Specifications

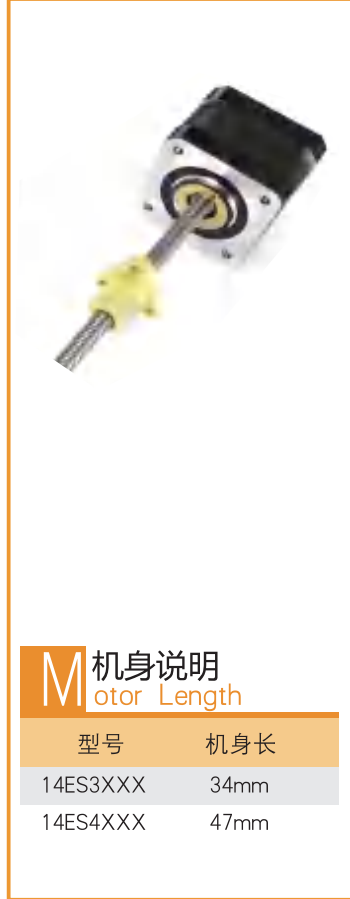
型号 Series Mode	步距角 Step Angle (1.8°)	机身长 Motor Length (mm)	电压 Rated Voltage (V)	电流 Rated Current (A)	电阻 Phase (Ω)	电感 Phase Inductance (mH)	转动惯量 Rotor Torque (g.cm ²)	引线数 Lead Wires (NO.)	重量 Motor Weight (g)
14NS3415	1.8	34	1.4	1.5	0.95	1.4	20	4	190
14NS4415	1.8	47	2.9	1.5	1.9	3.2	30	4	230

* 以上仅为代表性产品,派生产品可根据客户要求制作。 We can manufacture products according to customer's requirement.

M外型图
Mechanical Dimensions



14ES系列
ACME丝杆步进电机
ACME screw stepper motor



M机身说明
Motor Length

型号	机身长
14ES3XXX	34mm
14ES4XXX	47mm

E技术数据
Electrical Specifications

型号 Series Mode	步距角 Step Angle (1.8°)	机身长 Motor Length (mm)	电压 Rated Voltage (V)	电流 Rated Current (A)	电阻 Phase (Ω)	电感 Phase Inductance (mH)	转动惯量 Rotor Torque (g.cm ²)	引线数 Lead Wires (NO.)	重量 Motor Weight (g)
14ES3415	1.8	34	1.4	1.5	0.95	1.4	20	4	190
14ES4415	1.8	47	2.9	1.5	1.9	3.2	30	4	230

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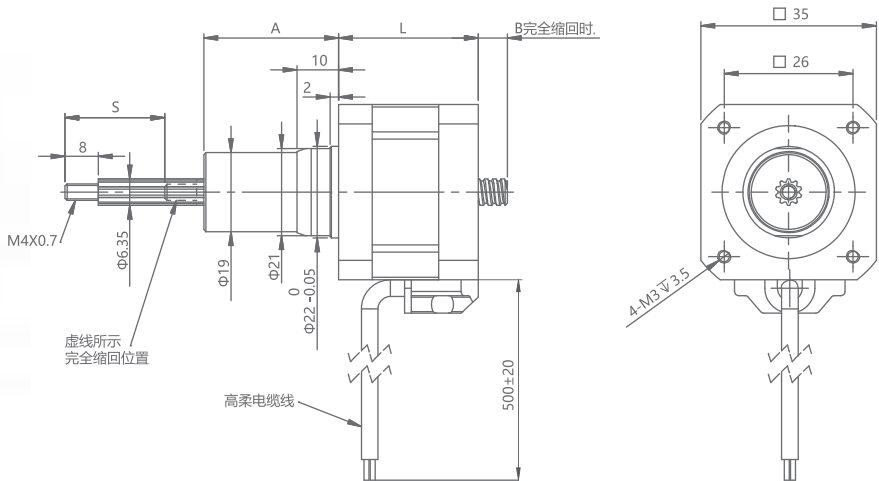
14NCS系列
ACME丝杆步进电机
ACME screw stepper motor



M 机身说明
Motor Length

型号	机身长
14NCS3XXX	34mm
14NCS4XXX	47mm

M 外型图
Mechanical Dimensions

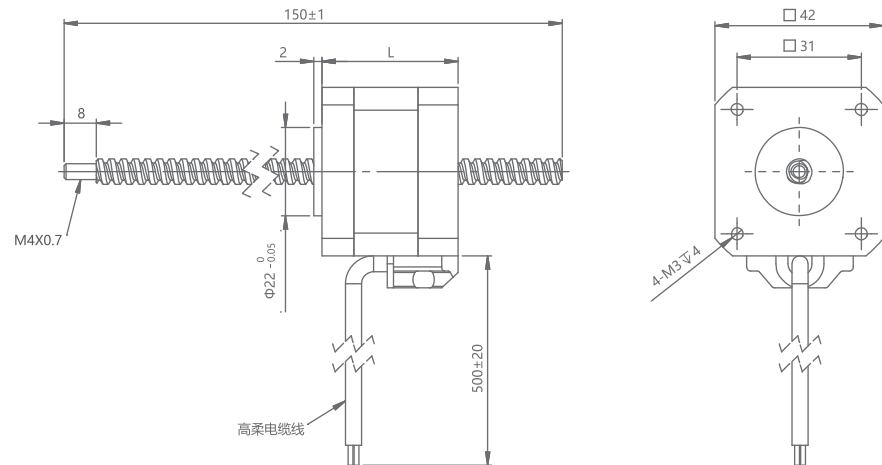


行程 S (mm) Stroke	尺寸 A (mm) Dimension A	尺寸 B (mm)	
		L=34	L=47
12.7	20.6	8.4	0
19.1	27	14.8	0.8
25.4	33.3	21.1	7.1
31.8	39.7	27.5	13.5
38.1	46	33.8	19.8
50.8	58.7	46.5	32.5
63.5	71.4	59.2	45.2

E 技术数据
Electrical Specifications

型号 Series Mode	步距角 Step Angle (1.8°)	机身长 Motor Length (mm)	电压 Rated Voltage (V)	电流 Rated Current (A)	电阻 Phase (Ω)	电感 Phase Inductance (mH)	转动惯量 Rotor Torque (g.cm ²)	引线数 Lead Wires (NO.)	重量 Motor Weight (g)
14NCS3415	1.8	34	1.4	1.5	0.95	1.4	20	4	190
14NCS4415	1.8	47	2.9	1.5	1.9	3.2	30	4	230

M 外型图
Mechanical Dimensions



>> 丝杆规格和性能参数

丝杆直径(mm) Lead screw diameter	导程(mm) Lead	步长(mm) Step	断电自锁力(N) Power off self-locking force
6.35	1.27	0.00635	150
6.35	2.54	0.0127	40
6.35	6.35	0.03175	15
6.35	12.7	0.0635	3
6.35	25.4	0.127	0

E 技术数据
Electrical Specifications

型号 Series Mode	步距角 Step Angle (1.8°)	机身长 Motor Length (mm)	电压 Rated Voltage (V)	电流 Rated Current (A)	电阻 Phase (Ω)	电感 Phase Inductance (mH)	转动惯量 Rotor Torque (g.cm ²)	引线数 Lead Wires (NO.)	重量 Motor Weight (g)
17NS3415	1.8	34	2.6	1.5	1.8	2.6	35	4	250
17NS4415	1.8	40	3.3	1.5	2.2	4.6	55	4	290
17NS5425	1.8	48	2	2.5	0.8	1.8	70	4	385
17NS6425	1.8	60	2.5	2.5	1	2.8	105	4	450

17NS系列
ACME丝杆步进电机
ACME screw stepper motor



M 机身说明
Motor Length

型号	机身长
17NS3XXX	34mm
17NS4XXX	40mm
17NS5XXX	48mm
17NS6XXX	60mm



17ES系列

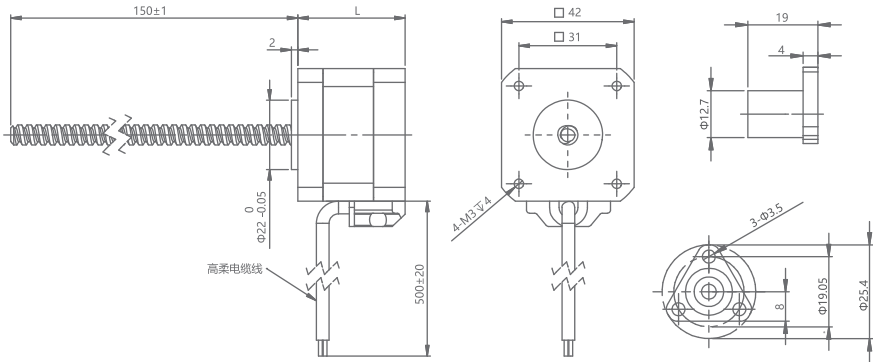
ACME丝杆步进电机
ACME screw stepper motor



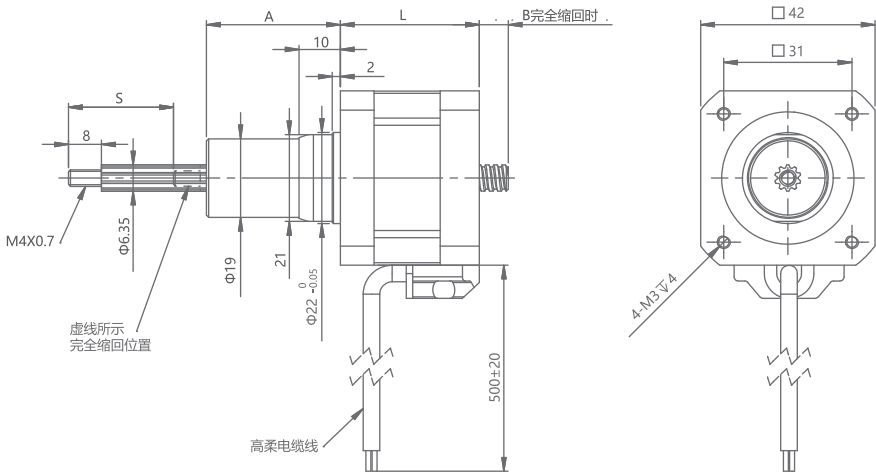
M 机身说明
Motor Length

型号	机身长
17ES3XXX	34mm
17ES4XXX	40mm
17ES5XXX	48mm
17ES6XXX	60mm

M 外型图
Mechanical Dimensions



M 外型图
Mechanical Dimensions



行程 S (mm) Stroke	尺寸 A (mm) Dimension A	尺寸 B (mm) Dimension B			
		L=34	L=40	L=48	L=60
12.7	20.6	6.4	0.4	0	0
19.1	27	12.8	6.8	0	0
25.4	33.3	19.1	13.1	5.1	0
31.8	39.7	25.5	19.5	11.5	0
38.1	46	31.8	25.8	17.8	5.8
50.8	58.7	44.5	38.5	30.5	18.5
63.5	71.4	57.2	51.2	43.2	31.2

17NCS系列

ACME丝杆步进电机
ACME screw stepper motor



M 机身说明
Motor Length

型号	机身长
17NCS3XXX	34mm
17NCS4XXX	40mm
17NCS5XXX	48mm
17NCS6XXX	60mm

E 技术数据
Electrical Specifications

型号 Series Mode	步距角 Step Angle (1.8°)	机身长 Motor Length (mm)	电压 Rated Voltage (V)	电流 Rated Current (A)	电阻 Phase (Ω)	电感 Phase Inductance (mH)	转动惯量 Rotor Torque (g.cm²)	引线数 Lead Wires (NO.)	重量 Motor Weight (g)
17ES3415	1.8	34	2.6	1.5	1.8	2.6	35	4	250
17ES4415	1.8	40	3.3	1.5	2.2	4.6	55	4	290
17ES5425	1.8	48	2	2.5	0.8	1.8	70	4	385
17ES6425	1.8	60	2.5	2.5	1	2.8	105	4	450

E 技术数据
Electrical Specifications

型号 Series Mode	步距角 Step Angle (1.8°)	机身长 Motor Length (mm)	电压 Rated Voltage (V)	电流 Rated Current (A)	电阻 Phase (Ω)	电感 Phase Inductance (mH)	转动惯量 Rotor Torque (g.cm²)	引线数 Lead Wires (NO.)	重量 Motor Weight (g)
17NCS3415	1.8	34	2.6	1.5	1.8	2.6	35	4	250
17NCS4415	1.8	40	3.3	1.5	2.2	4.6	55	4	290
17NCS5425	1.8	48	2	2.5	0.8	1.8	70	4	385
17NCS6425	1.8	60	2.5	2.5	1	2.8	105	4	450

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23NS系列

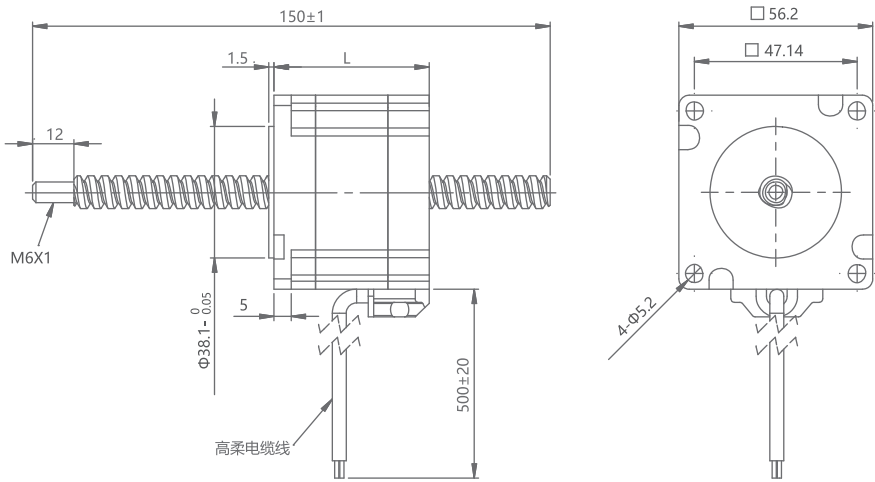
ACME丝杆步进电机
ACME screw stepper motor



机身说明
Motor Length

型号	机身长
23NS4XXX	45mm
23NS6XXX	55mm
23NS7XXX	65mm
23NS8XXX	75mm

外型图
Mechanical Dimensions



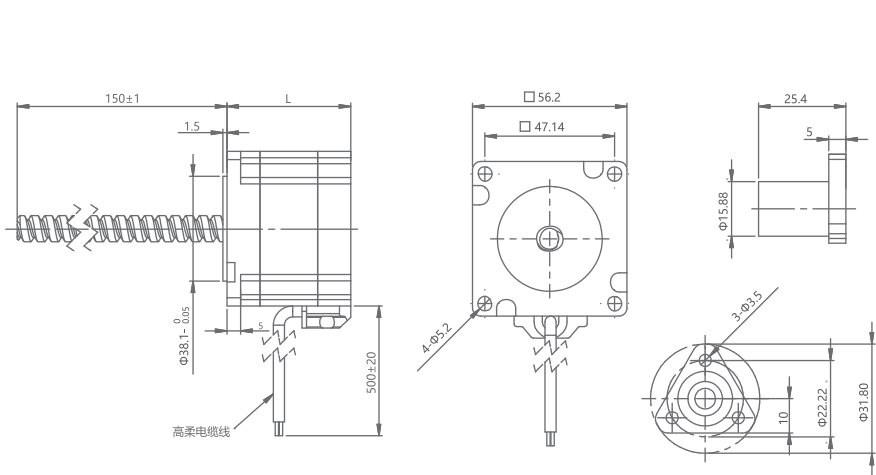
>> 丝杆规格和性能参数

丝杆直径(mm) Lead screw diameter	导程(mm) Lead	步长(mm) Step	断电自锁力(N) Power off self-locking force
9.525	1.27	0.00635	800
9.525	2.54	0.0127	300
9.525	5.08	0.0254	90
9.525	10.16	0.0508	30
9.525	25.4	0.127	6

技术数据
Electrical Specifications

型号 Series Mode	步距角 Step Angle (1.8°)	机身长 Motor Length (mm)	电压 Rated Voltage (V)	电流 Rated Current (A)	电阻 Phase (Ω)	电感 Phase Inductance (mH)	转动惯量 Rotor Torque (g·cm²)	引线数 Lead Wires (NO.)	重量 Motor Weight (g)
23NS4430	1.8	45	2.3	3	0.75	2.5	150	4	580
23NS6430	1.8	55	3	3	1	4.5	300	4	710
23NS7440	1.8	65	3.1	4	0.78	3.3	400	4	880
23NS8440	1.8	75	3.8	4	0.95	4.5	480	4	950

外型图
Mechanical Dimensions



23ES系列

ACME丝杆步进电机
ACME screw stepper motor



机身说明
Motor Length

型号	机身长
23ES4XXX	45mm
23ES6XXX	55mm
23ES7XXX	65mm
23ES8XXX	75mm

技术数据
Electrical Specifications

型号 Series Mode	步距角 Step Angle (1.8°)	机身长 Motor Length (mm)	电压 Rated Voltage (V)	电流 Rated Current (A)	电阻 Phase (Ω)	电感 Phase Inductance (mH)	转动惯量 Rotor Torque (g·cm²)	引线数 Lead Wires (NO.)	重量 Motor Weight (g)
23ES4430	1.8	45	2.3	3	0.75	2.5	150	4	580
23ES6430	1.8	55	3	3	1	4.5	300	4	710
23ES7440	1.8	65	3.1	4	0.78	3.3	400	4	880
23ES8440	1.8	75	3.8	4	0.95	4.5	480	4	950

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23NCS系列

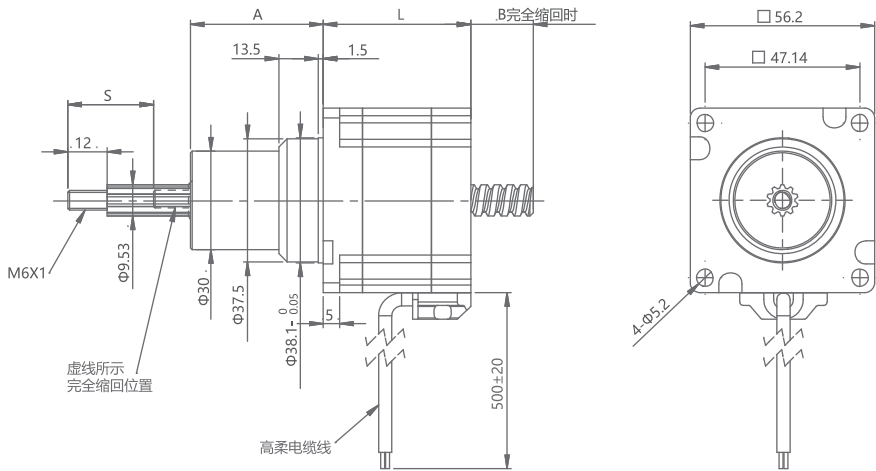
ACME丝杆步进电机
ACME screw stepper motor



M 机身说明
otor Length

型号	机身长
23NCS4XXX	45mm
23NCS6XXX	55mm
23NCS7XXX	65mm
23NCS8XXX	75mm

M 外型图
Mechanical Dimensions



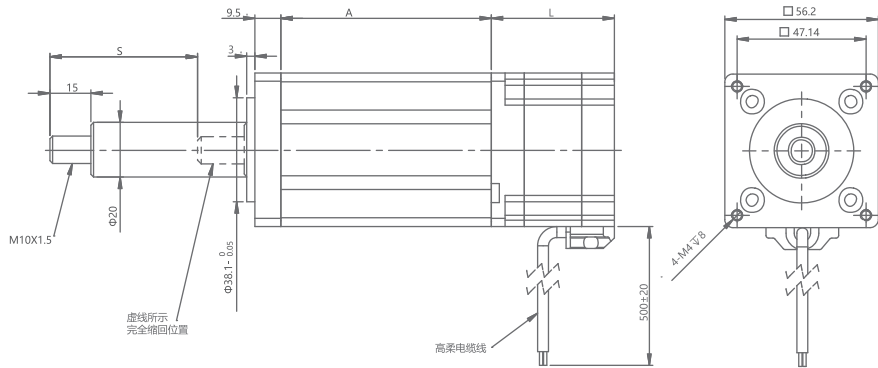
行程 S (mm) Stroke	尺寸 A (mm) Dimension A	尺寸 B (mm) Dimension B			
		L=45	L=55	L=65	L=75
12.7	24.1	1.1	0	0	0
19.1	30.5	7.5	0	0	0
25.4	36.8	13.8	4.8	0	0
31.8	43.2	20.2	11.2	0.2	0
38.1	49.5	26.5	17.5	6.5	0
50.8	62.2	39.2	30.2	19.2	9.2
63.5	74.9	51.9	42.9	31.9	21.9

E 技术数据
lectrical Specifications

型号 Series Mode	步距角 Step Angle (1.8°)	机身长 Motor Length (mm)	电压 Rated Voltage (V)	电流 Rated Current (A)	电阻 Phase (Ω)	电感 Phase Inductance (mH)	转动惯量 Rotor Torque (g·cm²)	引线数 Lead Wires (NO.)	重量 Motor Weight (g)
23NCS4430	1.8	45	2.3	3	0.75	2.5	150	4	580
23NCS6430	1.8	55	3	3	1	4.5	300	4	710
23NCS7440	1.8	65	3.1	4	0.78	3.3	400	4	880
23NCS8440	1.8	75	3.8	4	0.95	4.5	480	4	950

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M 外型图
Mechanical Dimensions



行程 S (mm) Stroke	尺寸 A (mm) Dimension A
25	52
50	77
75	102
100	127
150	177
200	227
300	327
400	427
500	527

E 技术数据
lectrical Specifications

型号 Series Mode	步距角 Step Angle (1.8°)	机身长 Motor Length (mm)	电压 Rated Voltage (V)	电流 Rated Current (A)	电阻 Phase (Ω)	电感 Phase Inductance (mH)	转动惯量 Rotor Torque (g·cm²)	引线数 Lead Wires (NO.)	重量 Motor Weight (g)
23ECS4430	1.8	45	2.3	3	0.75	2.5	150	4	580
23ECS6430	1.8	55	3	3	1	4.5	300	4	710
23ECS7440	1.8	65	3.1	4	0.78	3.3	400	4	880
23ECS8440	1.8	75	3.8	4	0.95	4.5	480	4	950

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23ECS系列

ACME丝杆步进电机
ACME screw stepper motor



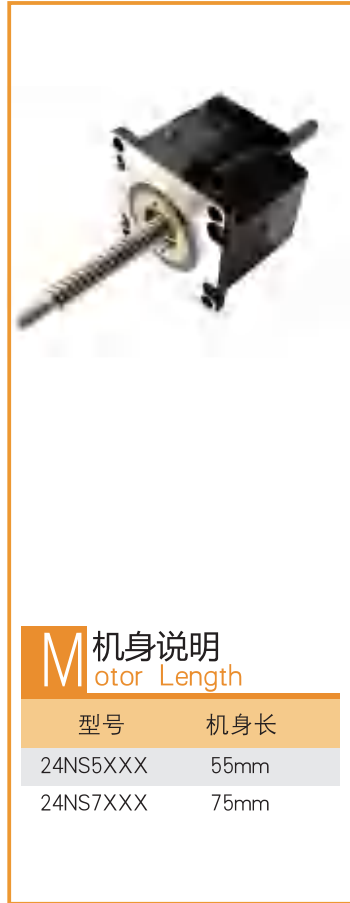
M 机身说明
otor Length

型号	机身长
23ECS4XXX	45mm
23ECS6XXX	55mm
23ECS7XXX	65mm
23ECS8XXX	75mm

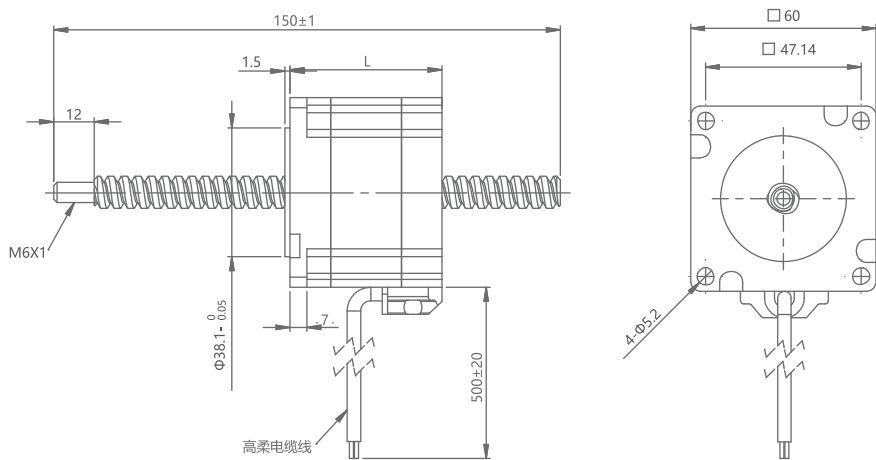


24NS系列

ACME丝杆步进电机
ACME screw stepper motor



M外型图
Mechanical Dimensions



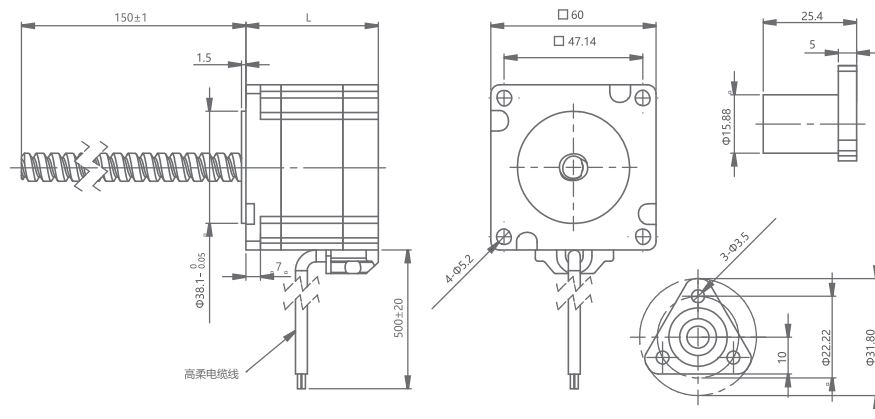
>> 丝杆规格和性能参数

丝杆直径(mm) Lead screw diameter	导程(mm) Lead	步长(mm) Step	断电自锁力 (N) Power off self-locking force
9.525	1.27	0.00635	800
9.525	2.54	0.0127	300
9.525	5.08	0.0254	90
9.525	10.16	0.0508	30
9.525	25.4	0.127	6

E技术数据
Electrical Specifications

型号 Series Mode	步距角 Step Angle (1.8°)	机身长 Motor Length (mm)	电压 Rated Voltage (V)	电流 Rated Current (A)	电阻 Phase (Ω)	电感 Phase Inductance (mH)	转动惯量 Rotor Torque (g.cm²)	引线数 Lead Wires (NO.)	重量 Motor Weight (g)
24NS5450	1.8	55	2.1	5	0.42	1.3	340	4	760
24NS7450	1.8	75	2.9	5	0.57	1.98	590	4	1000

M外型图
Mechanical Dimensions



24ES系列

ACME丝杆步进电机
ACME screw stepper motor



M机身说明
Motor Length

型号	机身长
24ES5XXX	55mm
24ES7XXX	75mm

E技术数据
Electrical Specifications

型号 Series Mode	步距角 Step Angle (1.8°)	机身长 Motor Length (mm)	电压 Rated Voltage (V)	电流 Rated Current (A)	电阻 Phase (Ω)	电感 Phase Inductance (mH)	转动惯量 Rotor Torque (g.cm²)	引线数 Lead Wires (NO.)	重量 Motor Weight (g)
24ES5450	1.8	55	2.1	5	0.42	1.3	340	4	760
24ES7450	1.8	75	2.9	5	0.57	1.98	590	4	1000

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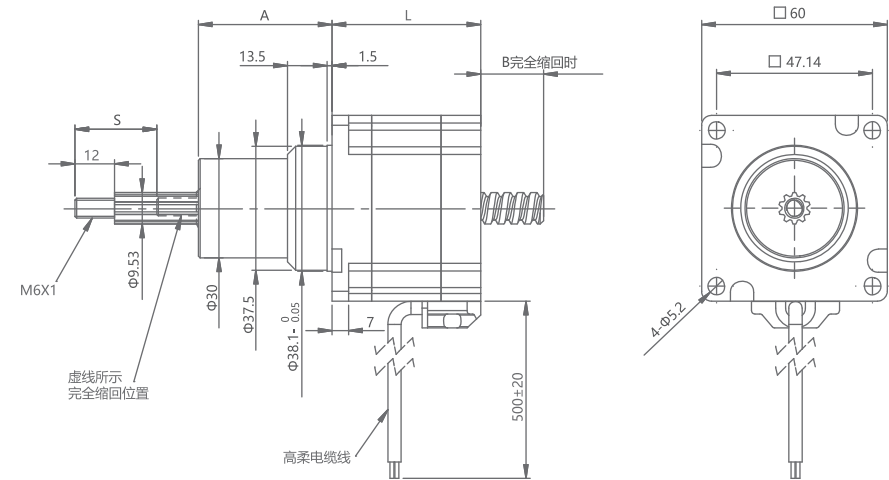
24NCS系列
混合式丝杆步进电机
Hybrid screw stepper motor



M机身说明
Motor Length

型号	机身长
24NCS5XXX	55mm
24NCS7XXX	75mm

M外型图
Mechanical Dimensions

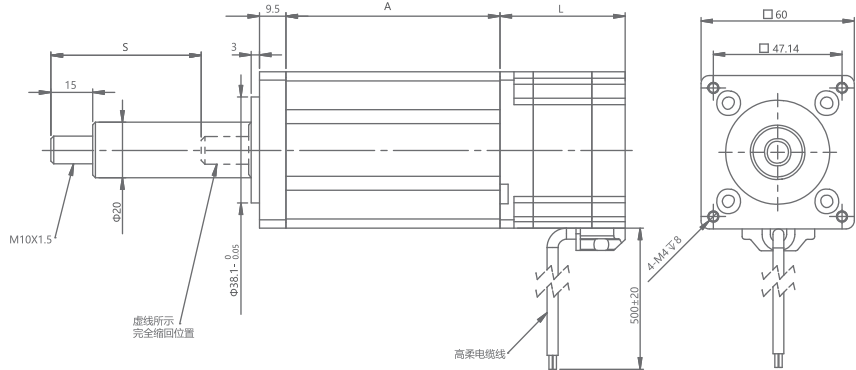


行程 S (mm) Stroke	尺寸 A (mm) Dimension A	尺寸 B (mm) Dimension B			
		L=45	L=55	L=65	L=75
12.7	24.1	0.6	0	0	0
19.1	30.5	7	0	0	0
25.4	36.8	13.3	4.3	0	0
31.8	43.2	19.7	10.7	0	0
38.1	49.5	26	17	6	0
50.8	62.2	38.7	29.7	18.7	8.7
63.5	74.9	51.4	42.4	31.4	21.4

E技术数据
Electrical Specifications

型号 Series Mode	步距角 Step Angle (1.8°)	机身长 Motor Length (mm)	电压 Rated Voltage (V)	电流 Rated Current (A)	电阻 Phase (Ω)	电感 Phase Inductance (mH)	转动惯量 Rotor Torque (g.cm ²)	引线数 Lead Wires (NO.)	重量 Motor Weight (g)
24NCS5450	1.8	55	2.1	5	0.42	1.3	340	4	760
24NCS7450	1.8	75	2.9	5	0.57	1.98	590	4	1000

M外型图
Mechanical Dimensions



行程 S (mm) Stroke	尺寸 A (mm) Dimension A
25	52
50	77
75	102
100	127
150	177
200	227
300	327
400	427
500	527

E技术数据
Electrical Specifications

型号 Series Mode	步距角 Step Angle (1.8°)	机身长 Motor Length (mm)	电压 Rated Voltage (V)	电流 Rated Current (A)	电阻 Phase (Ω)	电感 Phase Inductance (mH)	转动惯量 Rotor Torque (g.cm ²)	引线数 Lead Wires (NO.)	重量 Motor Weight (g)
24ECS5450	1.8	55	2.1	5	0.42	1.3	340	4	760
24ECS7450	1.8	75	2.9	5	0.57	1.98	590	4	1000

24ECS系列
混合式丝杆步进电机
Hybrid screw stepper motor



M机身说明
Motor Length

型号	机身长
24ECS5XXX	55mm
24ESS7XXX	75mm

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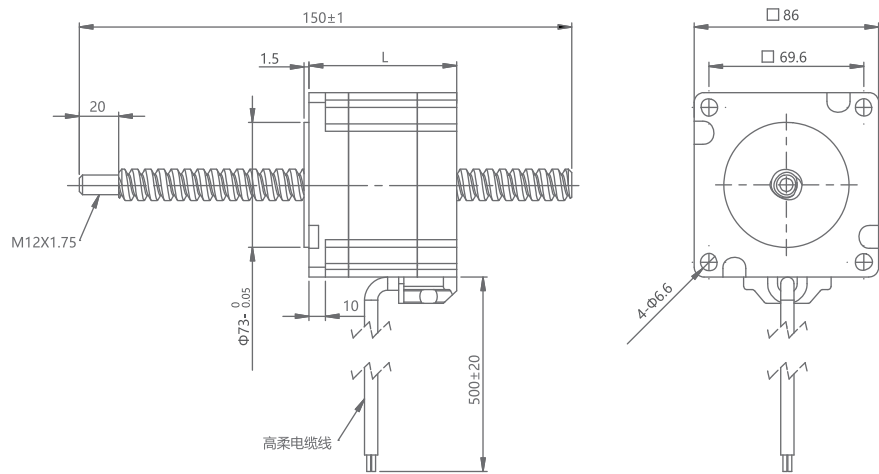
34NS系列
ACME丝杆步进电机
ACME screw stepper motor



M 机身说明
Motor Length

型号	机身长
34NS7XXX	76mm
34NS1XXX	114mm

M 外型图
Mechanical Dimensions



>> 丝杆规格和性能参数

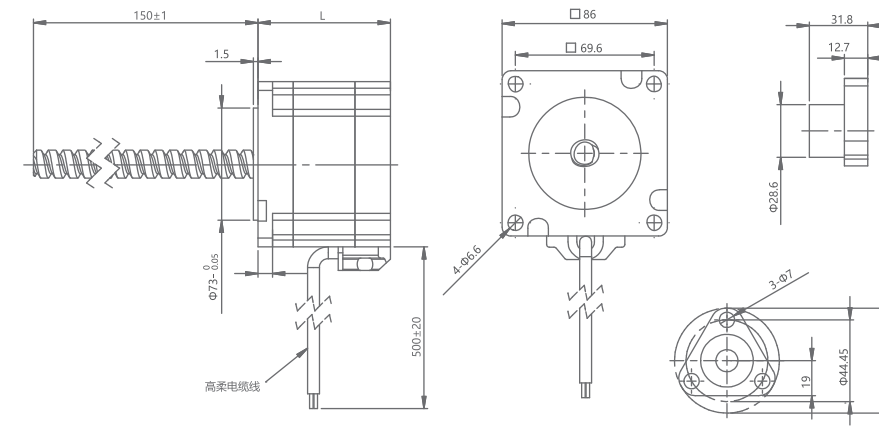
丝杆直径(mm) Lead screw diameter	导程(mm) Lead	步长(mm) Step	断电自锁力(N) Power off self-locking force
15.875	2.54	0.0127	2000
15.875	3.175	0.015875	1500
15.875	6.35	0.03175	200
15.875	12.7	0.0635	50
15.875	25.4	0.127	20

E 技术数据
Electrical Specifications

型号 Series Mode	步距角 Step Angle (1.8°)	机身长 Motor Length (mm)	电压 Rated Voltage (V)	电流 Rated Current (A)	电阻 Phase (Ω)	电感 Phase Inductance (mH)	转动惯量 Rotor Torque (g.cm²)	引线数 Lead Wires (NO.)	重量 Motor Weight (g)
34NS7460	1.8	76	3	6	0.5	4	1300	4	2400
34NS1460	1.8	114	4.8	6	0.8	8.5	2500	4	5000

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M 外型图
Mechanical Dimensions



34ES系列
ACME丝杆步进电机
ACME screw stepper motor



M 机身说明
Motor Length

型号	机身长
34ES7XXX	76mm
34ES1XXX	114mm

E 技术数据
Electrical Specifications

型号 Series Mode	步距角 Step Angle (1.8°)	机身长 Motor Length (mm)	电压 Rated Voltage (V)	电流 Rated Current (A)	电阻 Phase (Ω)	电感 Phase Inductance (mH)	转动惯量 Rotor Torque (g.cm²)	引线数 Lead Wires (NO.)	重量 Motor Weight (g)
34ES7460	1.8	76	3	6	0.5	4	1300	4	2400
34ES1460	1.8	114	4.8	6	0.8	8.5	2500	4	5000

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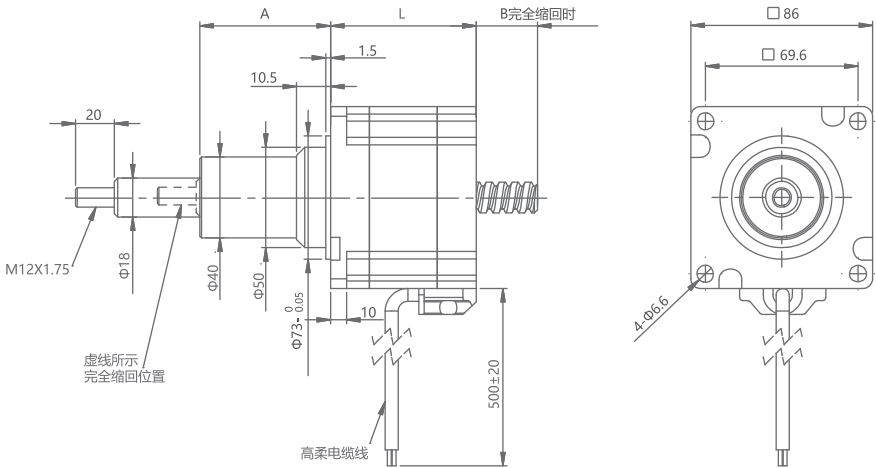
34NCS系列
ACME丝杆步进电机
ACME screw stepper motor



M 机身说明
Motor Length

型号	机身长
34NCS7XXX	76mm
34NCS1XXX	114mm

M 外型图
Mechanical Dimensions



行程 S (mm) Stroke	尺寸 A (mm) Dimension A	尺寸 B (mm) Dimension B	
		L=76	L=114
12.7	29.7	0	0
19.1	36.1	2.1	0
25.4	42.4	8.4	0
31.8	48.8	14.8	0
38.1	55.1	21.1	0
50.8	67.8	33.8	0
63.5	80.5	46.5	8.5

E 技术数据
Electrical Specifications

型号 Series Model	步距角 Step Angle (1.8°)	机身长 Motor Length (mm)	电压 Rated Voltage (V)	电流 Rated Current (A)	电阻 Phase (Ω)	电感 Phase Inductance (mH)	转动惯量 Rotor Torque (g.cm²)	引线数 Lead Wires (NO.)	重量 Motor Weight (g)
34NCS7460	1.8	76	3	6	0.5	4	1300	4	2400
34NCS1460	1.8	114	4.8	6	0.8	8.5	2500	4	5000

Stepper Motor Driver

步进电机驱动器



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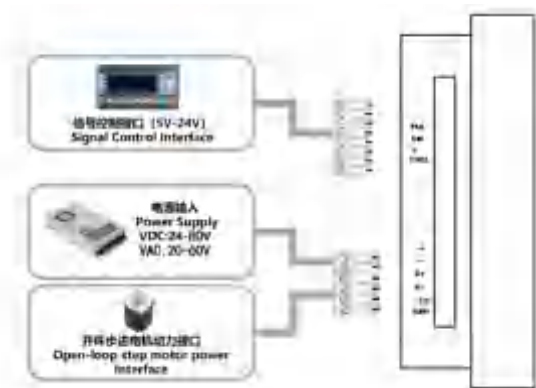
DM420 两相开环步进电机驱动器 Two-phase open-loop stepper motor driver



电气参数 Electrical parameter

参数 Parameters	最小值 Minimum value	典型值 Typical value	最大值 Maximum value	单位 Unit
连续输出电流 Output	0.44	--	2.83	A
电源电压 (直流) Power Supply Voltage(DC)	12	24	36	VDC
逻辑输入电流 Logic input current	7	--	20	mA
逻辑输入电压 Logic input voltage	5	5	24	VDC
脉冲频率 Pulse frequency	0	--	200	KHz

产品配置图 Porduct configuration diagram



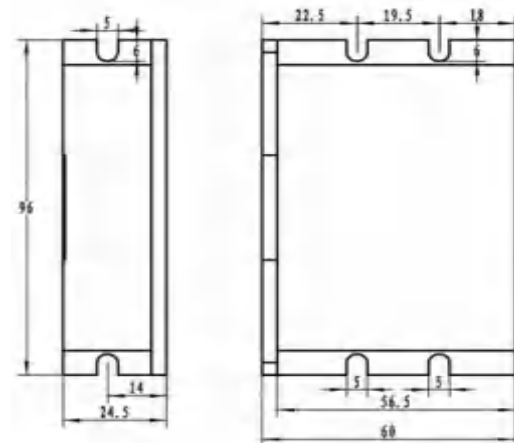
电机细分设置 Motor subdivision setting

细分	200	400	800	1600	3200	6400	12800	25600
SW5	ON	OFF	ON	OFF	ON	OFF	ON	OFF
SW6	ON	ON	OFF	OFF	ON	ON	OFF	OFF
SW7	ON	ON	ON	ON	OFF	OFF	OFF	OFF
Micro	1	2	4	8	16	32	64	128

产品特点 Porduct characteristics

- 平均电流控制，两相正弦电流驱动输出
- 直流 12 ~ 36V 供电
- 光电隔离信号输入 / 输出
- 有过压、欠压、过流、相间短路保护功能
- 8 档细分和自动半流功能
- 具备脱机功能
- 细分设定 (200 ~25600 内)
- Average current control, two-phase sine current driven output
- DC 12-36V power supply
- Optoelectronic isolation signal input/output
- Has overvoltage, undervoltage, overcurrent, and phase to phase short circuit protection functions
- 8-speed subdivision and automatic semi flow function
- Capable of offline functionality
- Subdivision setting (within 200~25600)

机械安装图 Mechanical drawin



工作电流设定 Working current setting

为了驱动不同扭矩的步进电机，用户可以通过驱动器面板上的拨码开关 SW1、SW2、SW3 来设置驱动器的输出相电流（有效值）单位安培，各开关位置对应的输出电流，不同型号驱动器所对应的输出电流值不同，具体见下表：
In order to drive stepper motors with different torques, users can set the output phase current (effective value) unit of the driver in amperes through the DIP switches SW1, SW2, and SW3 on the driver panel. The output current corresponding to each switch position is different for different models of drivers. Please refer to the table below for details.

SW1	SW2	SW3	PEAK	RMS
ON	ON	ON	0.44A	0.31A
OFF	ON	ON	0.62A	0.44A
ON	OFF	ON	0.74A	0.52A
OFF	OFF	ON	0.86A	0.61A
ON	ON	OFF	1.46A	1.03A
OFF	ON	OFF	1.69A	1.20A
ON	OFF	OFF	2.14A	1.51A
OFF	OFF	OFF	2.83A	2.00A

SW4: 'OFF'为无半流功能；'ON'为有半流功能。
SW4: 'OFF' means no half current function 'ON' has half current function.

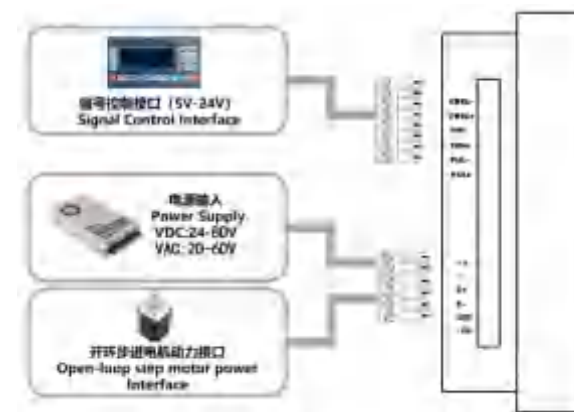
DM422 两相开环步进电机驱动器 Two-phase open-loop stepper motor driver



电气参数 Electrical parameter

参数 Parameters	最小值 Minimum value	典型值 Typical value	最大值 Maximum value	单位 Unit
连续输出电流 Output	0.6	--	2.2	A
电源电压 (直流) Power Supply Voltage(DC)	10	24	40	VDC
逻辑输入电流 Logic input current	7	--	20	mA
逻辑输入电压 Logic input voltage	5	5	24	VDC
脉冲频率 Pulse frequency	0	--	200	KHz

产品配置图 Porduct configuration diagram



电机细分设置 Motor subdivision setting

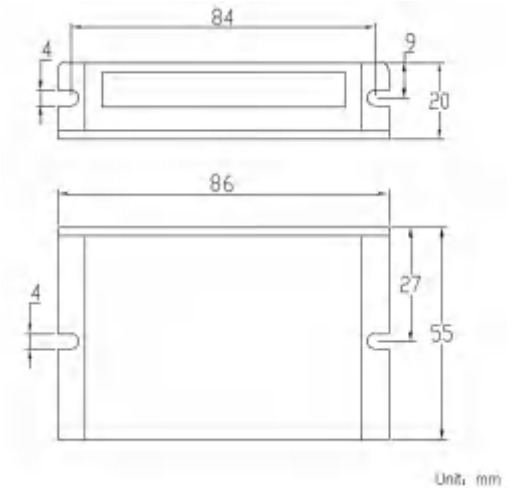
此 7 种细分模式基本上涵盖了用户对电机步距角的要求。具体设置参见下表：
These 7 segmentation modes basically cover the user's requirements for the motor step angle. Please refer to the table below for specific settings:

细分	Pulse/rev	SW1	SW2	SW3
1	200	ON	ON	OFF
2/A	400	ON	OFF	ON
4	800	ON	OFF	OFF
2/B	400	OFF	ON	ON
8	1600	OFF	ON	OFF
16	3200	OFF	OFF	ON
32	6400	OFF	OFF	OFF

产品特点 Porduct characteristics

- 先进双极性恒流斩波驱动技术
- DC10 ~ 40V 供电
- 光电隔离信号输入 / 输出
- 有过压、欠压、过流、相间短路保护功能
- 具备脱机功能，适配电流小于 2.2A 及以下步进电机
- 八档输出相电流设置，自动半流功能，七档细分设置
- 最大 32 细分，满足各种机械传动
- Advanced bipolar constant current chopper drive technology
- DC10-40V power supply
- Optoelectronic isolation signal input/output
- It has overvoltage, undervoltage, overcurrent, and phase to phase short circuit protection functions
- Equipped with offline function, suitable for stepper motors with current less than 2.2A and below
- Eight level output phase current setting, automatic half current function, seven level subdivision setting
- Maximum 32 subdivisions to meet various mechanical transmissions

机械安装图 Mechanical drawin



工作电流设定 Working current setting

拨码开关拨上去为 OFF 状态，拨下来为 ON 状态，具体电流对应表如下：
The dip switch is in the OFF state when turned up and in the ON state when turned down. The specific current correspondence table is as follows:

SW4	SW5	SW6	Peak	RMS
ON	ON	ON	0.6A	0.42A
ON	ON	OFF	1.1A	0.75A
ON	OFF	ON	1.2A	0.85A
ON	OFF	OFF	1.5A	1.06A
OFF	ON	ON	1.7A	1.21A
OFF	ON	OFF	1.9A	1.34A
OFF	OFF	ON	2.0A	1.41A
OFF	OFF	OFF	2.2A	1.56A



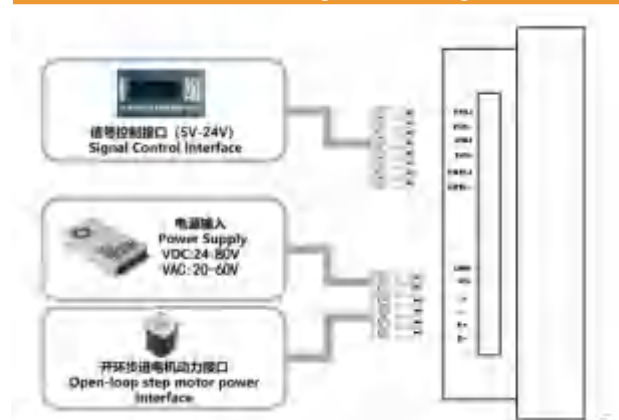
DM430 两相开环步进电机驱动器 Two-phase open-loop stepper motor driver



电气参数 Electrical parameter

参数 Parameters	最小值 Minimum value	典型值 Typical value	最大值 Maximum value	单位 Unit
连续输出电流 Output	0.14	--	3	A
电源电压 (直流) Power Supply Voltage(DC)	12	24	32	VDC
逻辑输入电流 Logic input current	6	10	16	mA
逻辑输入电压 Logic input voltage	5	5	24	VDC
脉冲频率 Pulse frequency	0	--	200	KHz

产品配置图 Product configuration diagram



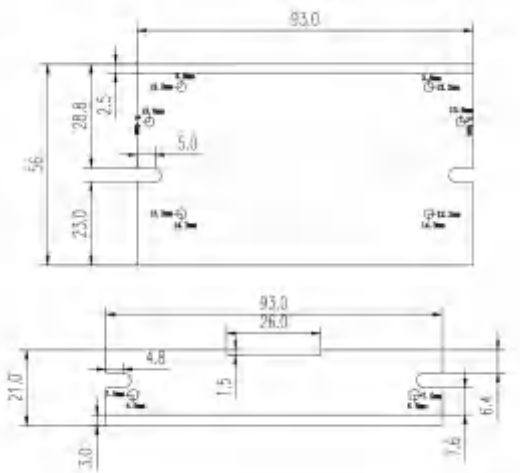
电机细分设置 Motor subdivision setting

细分	SW5	SW6	SW7	SW8
default(200)	ON	ON	ON	ON
400	OFF	ON	ON	ON
800	ON	OFF	ON	ON
1600	OFF	OFF	ON	ON
3200	ON	ON	OFF	ON
3600	OFF	ON	OFF	ON
6400	ON	OFF	OFF	ON
12800	OFF	OFF	OFF	ON
1000	ON	ON	ON	OFF
2000	OFF	ON	ON	OFF
4000	ON	OFF	ON	OFF
5000	OFF	OFF	ON	OFF
7200	ON	ON	OFF	OFF
8000	OFF	ON	OFF	OFF
10000	ON	OFF	OFF	OFF
20000	OFF	OFF	OFF	OFF

产品特点 Product characteristics

- 细分设定 (200 ~12800 内)
- 电流设定 (0.1 ~3A 内) , 分辨率为 : 1
- 可驱动 4 线 , 6 线 , 8 线电机
- 有过压、欠压、过流、相间短路保护功能
- 信号输入 : 单端 脉冲 / 方向
- 变电流控制使电机发热大为降低
- 脉冲响应频率最高可达 500K (出厂默认 160K)
- Subdivision setting (within 200~12800)
- Current setting (within 0.1~3A), resolution: 1
- Can drive 4-wire, 6-wire, 8-wire motors
- It has overvoltage, undervoltage, overcurrent, and phase to phase short circuit protection functions
- Signal input: single ended pulse/direction
- Variable current control greatly reduces motor heating
- The maximum pulse response frequency can reach 500K (factory default 160K)

机械安装图 Mechanical drawin



工作电流设定 Working current setting

SW1	SW2	SW3	SW4	PEAK	RMS
ON	ON	ON	ON	0.14A	0.1A
OFF	ON	ON	ON	0.28A	0.2A
ON	OFF	ON	ON	0.42A	0.3A
OFF	OFF	ON	ON	0.60A	0.5A
ON	ON	OFF	ON	0.84A	0.6A
OFF	ON	OFF	ON	0.98A	0.7A
ON	OFF	OFF	ON	1.12A	0.8A
OFF	OFF	OFF	ON	1.40A	1.0A
ON	ON	ON	OFF	1.68A	1.2A
OFF	ON	ON	OFF	1.82A	1.3A
ON	OFF	ON	OFF	2.10A	1.5A
OFF	OFF	ON	OFF	2.24A	1.6A
ON	ON	OFF	OFF	2.38A	1.7A
OFF	ON	OFF	OFF	2.52A	1.8A
ON	OFF	OFF	OFF	2.80A	2.0A
OFF	OFF	OFF	OFF	3.00A	2.2A

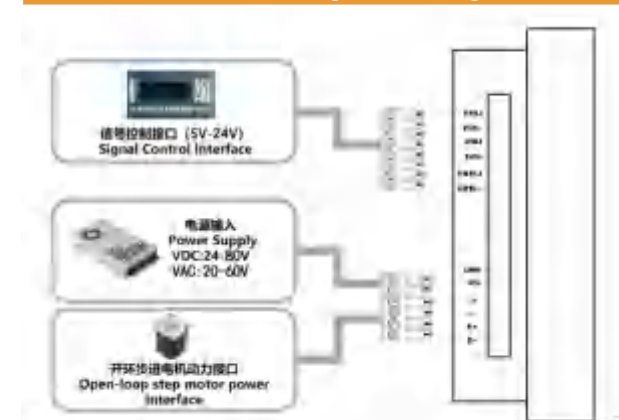
DM542 两相开环步进电机驱动器 Two-phase open-loop stepper motor driver



电气参数 Electrical parameter

参数 Parameters	最小值 Minimum value	典型值 Typical value	最大值 Maximum value	单位 Unit
连续输出电流 Output	0.71	--	4.2	A
电源电压 (直流) Power Supply Voltage(DC)	24	24/36	50	VDC
逻辑输入电流 Logic input current	7	10	16	mA
逻辑输入电压 Logic input voltage	5	5	24	VDC
脉冲频率 Pulse frequency	0	--	200	KHz

产品配置图 Product configuration diagram



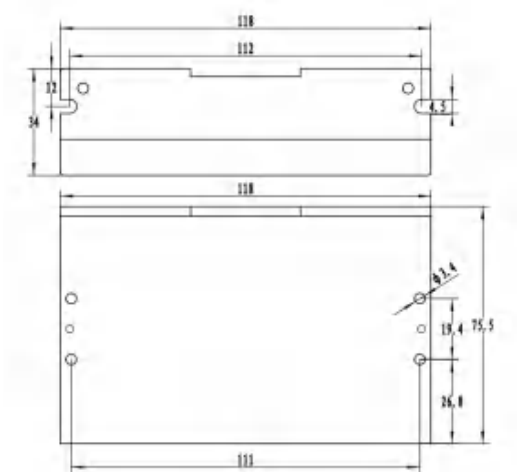
电机细分设置 Motor subdivision setting

细分	SW5	SW6	SW7	SW8
400	OFF	ON	ON	ON
800	ON	OFF	ON	ON
1600	OFF	OFF	ON	ON
3200	ON	ON	OFF	ON
6400	OFF	ON	OFF	ON
12800	ON	OFF	OFF	ON
25600	OFF	OFF	OFF	ON
1000	ON	ON	ON	OFF
2000	OFF	ON	ON	OFF
4000	ON	OFF	ON	OFF
5000	OFF	OFF	ON	OFF
8000	ON	ON	OFF	OFF
10000	OFF	ON	OFF	OFF
20000	ON	OFF	OFF	OFF
25000	OFF	OFF	OFF	OFF

产品特点 Product characteristics

- 32 位数字处理技术
- 光电隔离差分信号输入
- 超低振动噪声
- 内置微细分技术
- 电流设定方便, 可在 1 ~4.2A 之间任意切换
- 集成参数上电自动整定功能
- 细分设定 (400 ~25600)
- 具有过流, 过压, 欠压等保护
- 32-bit digital processing technology
- Optoelectronic isolation differential signal input
- Ultra low vibration noise
- Built in micro segmentation technology
- Convenient current setting, can switch freely between 1~4.2A
- Integrated parameter power on automatic setting function
- Subdivision setting (400~25600)
- Equipped with overcurrent, overvoltage, undervoltage and other protections

机械安装图 Mechanical drawin



工作电流设定 Working current setting

SW1	SW2	SW3	PEAK	RMS
ON	ON	ON	1.00A	0.71A
OFF	ON	ON	1.46A	1.04A
ON	OFF	ON	1.92A	1.36A
OFF	OFF	ON	2.37A	1.69A
ON	ON	OFF	2.84A	2.03A
OFF	ON	OFF	3.32A	2.36A
ON	OFF	OFF	3.76A	2.69A
OFF	OFF	OFF	4.20A	3.00A



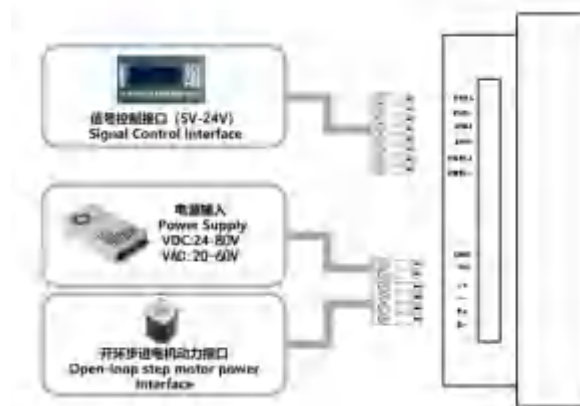
DM545 两相开环步进电机驱动器 Two-phase open-loop stepper motor driver



电气参数 Electrical parameter

参数 Parameters	最小值 Minimum value	典型值 Typical value	最大值 Maximum value	单位 Unit
连续输出电流 Output	0.71	--	4.5	A
电源电压 (直流) Power Supply Voltage(DC)	24	24/36	50	VDC
逻辑输入电流 Logic input current	7	10	16	mA
逻辑输入电压 Logic input voltage	5	5	24	VDC
脉冲频率 Pulse frequency	0	--	200	KHz

产品配置图 Product configuration diagram



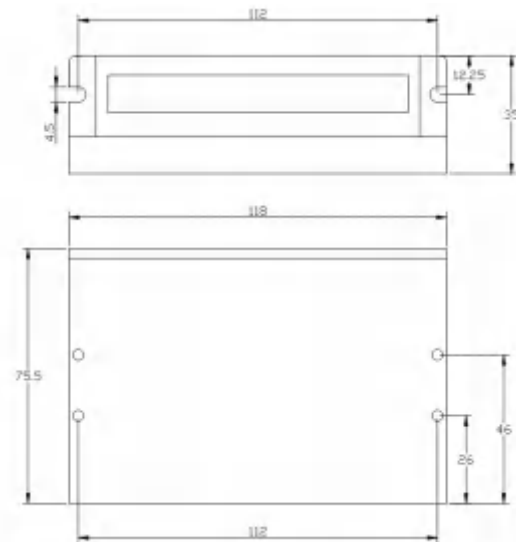
电机细分设置 Motor subdivision setting

细分数	Pulse/rev	SW5	SW6	SW7	SW8
2	400	OFF	ON	ON	ON
4	800	ON	OFF	ON	ON
8	1600	OFF	OFF	ON	ON
16	3200	ON	ON	OFF	ON
32	6400	OFF	ON	OFF	ON
64	12800	ON	OFF	OFF	ON
128	25600	OFF	OFF	OFF	ON
5	1000	ON	ON	ON	OFF
10	2000	OFF	ON	ON	OFF
20	4000	ON	OFF	ON	OFF
25	5000	OFF	OFF	ON	OFF
40	8000	ON	ON	OFF	OFF
50	10000	OFF	ON	OFF	OFF
100	20000	ON	OFF	OFF	OFF
125	25000	OFF	OFF	OFF	OFF

产品特点 Product characteristics

- 先进的双极性恒流斩波驱动技术
- 最大 128 细分设定, 满足各种机械传动, 且不影响其输出力矩
- 指令信号兼容 3.5~28V, 无需串联电阻
- 灵活的输出电流设定, 适配不同型号电机, 同时具备自动半电流功能, 减少电机发热
- 电机低速无爬行现象, 噪音小, 无共振区
- Advanced bipolar constant current chopper drive technology
- The maximum subdivision setting is 128, which meets various mechanical transmissions without affecting their output torque
- The command signal is compatible with 3.5~28V and does not require a series resistor
- Flexible output current setting, adaptable to different types of motors, and equipped with automatic half current function to reduce motor heating
- The motor has no crawling phenomenon at low speed, low noise, and no resonance zone

机械安装图 Mechanical drawin



工作电流设定 Working current setting

SW1	SW2	SW3	Peak	RMS
ON	ON	ON	1.00A	0.71A
OFF	OFF	ON	1.46A	1.04A
ON	OFF	ON	1.91A	1.36A
OFF	OFF	ON	2.37A	1.69A
ON	ON	OFF	2.84A	2.03A
OFF	ON	OFF	3.31A	2.36A
ON	OFF	OFF	4.06A	2.86A
OFF	OFF	OFF	4.50A	3.20A

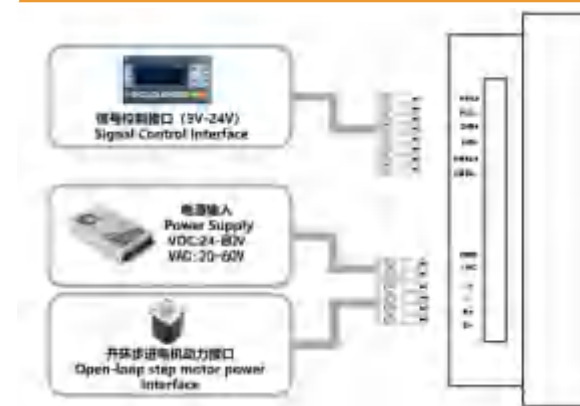
DM556 两相开环步进电机驱动器 Two-phase open-loop stepper motor driver



电气参数 Electrical parameter

参数 Parameters	最小值 Minimum value	典型值 Typical value	最大值 Maximum value	单位 Unit
连续输出电流 Output	1.5	--	5.6	A
电源电压 (直流) Power Supply Voltage(DC)	24	24/36	50	VDC
逻辑输入电流 Logic input current	7	10	16	mA
逻辑输入电压 Logic input voltage	5	5	24	VDC
脉冲频率 Pulse frequency	0	--	200	KHz

产品配置图 Product configuration diagram



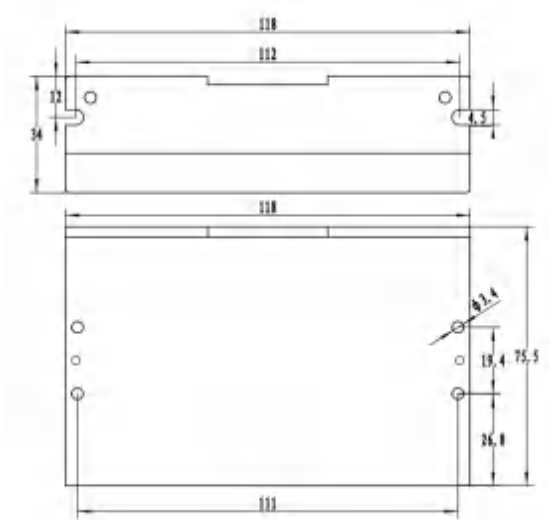
电机细分设置 Motor subdivision setting

细分数	SW5	SW6	SW7	SW8
Default	ON	ON	ON	ON
400	OFF	ON	ON	ON
800	ON	OFF	ON	ON
1600	OFF	OFF	ON	ON
3200	ON	ON	OFF	ON
6400	OFF	ON	OFF	ON
12800	ON	OFF	OFF	ON
25600	OFF	OFF	OFF	ON
1000	ON	ON	ON	OFF
2000	OFF	ON	ON	OFF
4000	ON	OFF	ON	OFF
5000	OFF	OFF	ON	OFF
8000	ON	ON	OFF	OFF
10000	OFF	ON	OFF	OFF
20000	ON	OFF	OFF	OFF
25000	OFF	OFF	OFF	OFF

产品特点 Product characteristics

- 32 位数字处理技术
- 光电隔离差分信号输入
- 超低振动噪声
- 内置微细分技术
- 电流设定方便, 可在 1.4 ~5.6A 之间任意切换
- 集成参数上电自动整定功能
- 细分设定 (400 ~25600)
- 具有过流, 过压, 欠压等保护
- 32-bit digital processing technology
- Optoelectronic isolation differential signal input
- Ultra low vibration noise
- Built in micro segmentation technology
- Convenient current setting, can switch freely between 1.4~5.6A
- Integrated parameter power on automatic setting function
- Subdivision setting (400~25600)
- Equipped with overcurrent, overvoltage, undervoltage and other protections

机械安装图 Mechanical drawin



工作电流设定 Working current setting

SW1	SW2	SW3	PEAK	RMS
OFF	OFF	OFF	Default	
ON	OFF	OFF	2.1A	1.5A
OFF	ON	OFF	2.7A	1.9A
ON	ON	OFF	3.2A	2.3A
OFF	OFF	ON	3.8A	2.7A
ON	OFF	ON	4.3A	3.1A
OFF	ON	ON	4.9A	3.5A
ON	ON	ON	5.6A	4.0A



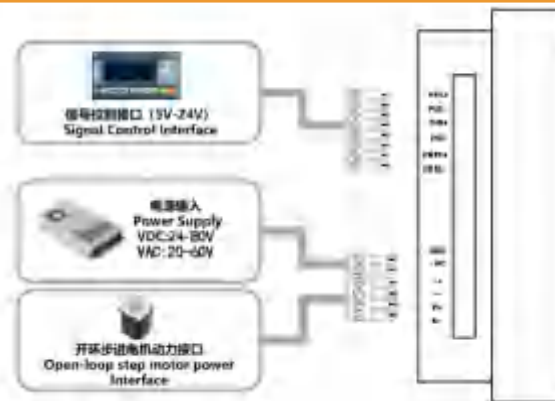
DM856 两相开环步进电机驱动器 Two-phase open-loop stepper motor driver



电气参数 Electrical parameter

参数 Parameters	最小值 Minimum value	典型值 Typical value	最大值 Maximum value	单位 Unit
连续输出电流 Output	1.4	--	5.6	A
电源电压 (直流) Power Supply Voltage(DC)	24	24/36	80	VDC
逻辑输入电流 Logic input current	7	10	16	mA
逻辑输入电压 Logic input voltage	5	5	24	VDC
脉冲频率 Pulse frequency	0	--	200	KHz

产品配置图 Porduct configuration diagram



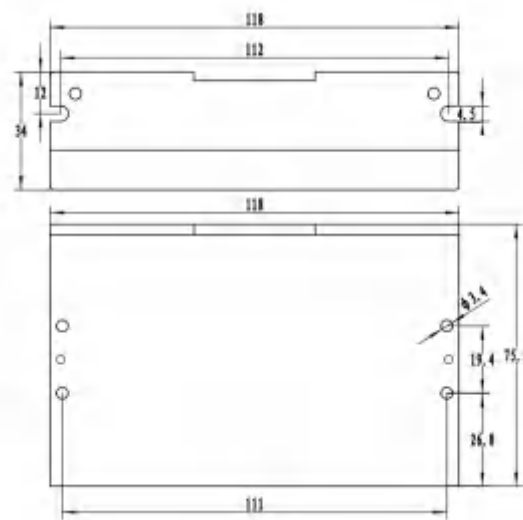
电机细分设置 Motor subdivision setting

细分数	SW5	SW6	SW7	SW8
Default	ON	ON	ON	ON
400	OFF	ON	ON	ON
800	ON	OFF	ON	ON
1600	OFF	OFF	ON	ON
3200	ON	ON	OFF	ON
6400	OFF	ON	OFF	ON
12800	ON	OFF	OFF	ON
25600	OFF	OFF	OFF	ON
1000	ON	ON	ON	OFF
2000	OFF	ON	ON	OFF
4000	ON	OFF	ON	OFF
5000	OFF	OFF	ON	OFF
8000	ON	ON	OFF	OFF
10000	OFF	ON	OFF	OFF
20000	ON	OFF	OFF	OFF
25000	OFF	OFF	OFF	OFF

产品特点 Porduct characteristics

- 32 位数字处理技术
- 光电隔离差分信号输入
- 超低振动噪声
- 内置微细分技术
- 电流设定方便，可在 1.4 ~5.6A 之间任意切换
- 集成参数上电自动整定功能
- 细分设定 (400 ~25600)
- 具有过流，过压，欠压等保护
- 32-bit digital processing technology
- Optoelectronic isolation differential signal input
- Ultra low vibration noise
- Built in micro segmentation technology
- Convenient current setting, can switch freely between 1.4~5.6A
- Integrated parameter power on automatic setting function
- Subdivision setting (400~25600)
- Equipped with overcurrent, overvoltage, undervoltage and other protections

机械安装图 Mechanical drawin



工作电流设定 Working current setting

SW1	SW2	SW3	PEAK/A	RMS/A
OFF	OFF	OFF	Default	
ON	OFF	OFF	2.1	1.5
OFF	ON	OFF	2.7	1.9
ON	ON	OFF	3.2	2.3
OFF	OFF	ON	3.8	2.7
ON	OFF	ON	4.3	3.1
OFF	ON	ON	4.9	3.5
ON	ON	ON	5.6	4.0

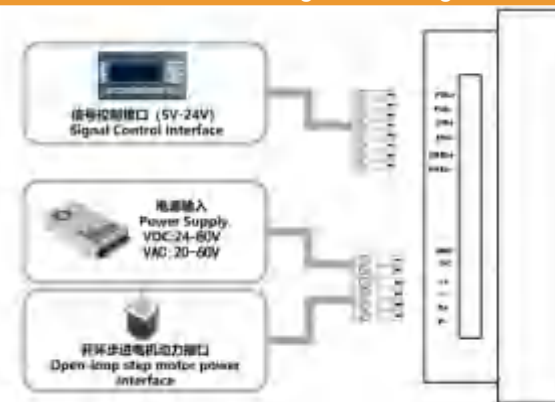
DM860H 两相开环步进电机驱动器 Two-phase open-loop stepper motor driver



电气参数 Electrical parameter

参数 Parameters	最小值 Minimum value	典型值 Typical value	最大值 Maximum value	单位 Unit
连续输出电流 Output	2.0	--	7.2	A
电源电压 (直流) Power Supply Voltage(DC)	24	--	110/80	VDC
逻辑输入电流 Logic input current	6	10	16	mA
逻辑输入电压 Logic input voltage	5	5	24	VDC
脉冲频率 Pulse frequency	0	--	200	KHz

产品配置图 Porduct configuration diagram



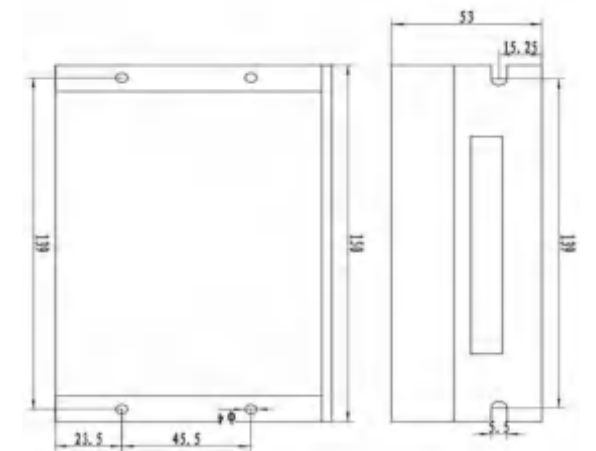
电机细分设置 Motor subdivision setting

细分数	SW5	SW6	SW7	SW8
400	ON	ON	ON	ON
800	OFF	ON	ON	ON
1600	ON	OFF	ON	ON
3200	OFF	OFF	ON	ON
6400	ON	ON	OFF	ON
12800	OFF	ON	OFF	ON
25600	ON	OFF	OFF	ON
51200	OFF	OFF	OFF	ON
1000	ON	ON	ON	OFF
2000	OFF	ON	ON	OFF
4000	ON	OFF	ON	OFF
5000	OFF	OFF	ON	OFF
8000	ON	ON	OFF	OFF
10000	OFF	ON	OFF	OFF
20000	ON	OFF	OFF	OFF
40000	OFF	OFF	OFF	OFF

产品特点 Porduct characteristics

- 32 位数字处理技术
- 变电流和变频的先进控制算法
- 发热小，电机振动小，运行平稳
- 内置微细分技术
- 运行平稳，噪音小
- 集成参数上电自动整定功能
- 细分设定 (400 ~51200)
- 具有过流，过压，欠压等保护
- 2-bit digital processing technology
- Advanced control algorithms for variable current and frequency conversion
- Low heat generation, minimal motor vibration, and smooth operation
- Built in micro segmentation technology
- Smooth operation with low noise
- Integrated parameter power on automatic setting function
- Subdivision setting (400~51200)
- Equipped with overcurrent, overvoltage, undervoltage and other protections

机械安装图 Mechanical drawin



工作电流设定 Working current setting

SW1	SW2	SW3	PEAK	RMS
ON	ON	ON	2.40A	2.00A
OFF	ON	ON	3.08A	2.57A
ON	OFF	ON	3.77A	3.14A
OFF	OFF	ON	4.45A	3.71A
ON	ON	OFF	5.14A	4.28A
OFF	ON	OFF	5.83A	4.86A
ON	OFF	OFF	6.52A	5.43A
OFF	OFF	OFF	7.20A	6.00A



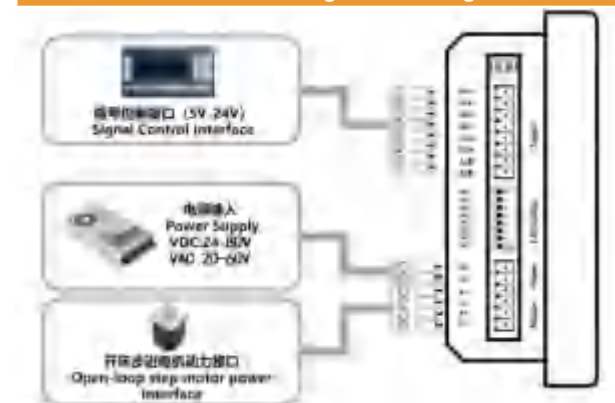
DM880H 两相开环步进电机驱动器 Two-phase open-loop stepper motor driver



电气参数 Electrical parameter

参数 Parameters	最小值 Minimum value	典型值 Typical value	最大值 Maximum value	单位 Unit
连续输出电流 Output	2.8	--	7.8	A
电源电压 (直流) Power Supply Voltage(DC)	24	48	80	VDC
逻辑输入电流 Logic input current	7	10	16	mA
逻辑输入电压 Logic input voltage	5	5	24	VDC
脉冲频率 Pulse frequency	0	--	200	KHz

产品配置图 Product configuration diagram



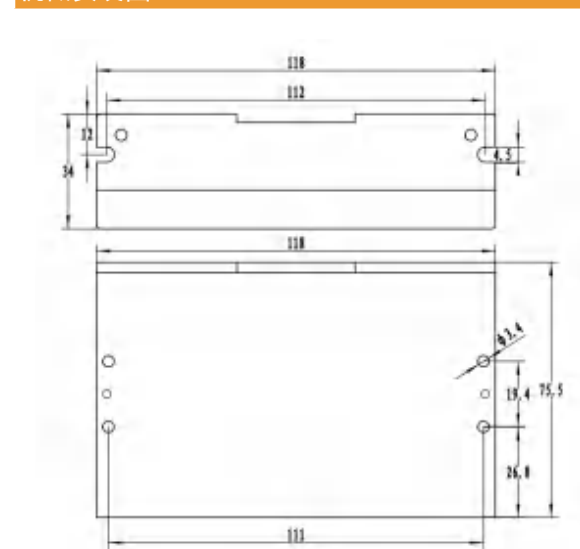
电机细分设置 Motor subdivision setting

Pulse/rev	SW5	SW6	SW7	SW8
400	ON	ON	ON	ON
800	OFF	ON	ON	ON
1600	ON	OFF	ON	ON
3200	OFF	OFF	ON	ON
6400	ON	ON	OFF	ON
12800	OFF	ON	OFF	ON
25600	ON	OFF	OFF	ON
51200	OFF	OFF	OFF	ON
1000	ON	ON	ON	OFF
2000	OFF	ON	ON	OFF
4000	ON	OFF	ON	OFF
5000	OFF	OFF	ON	OFF
8000	ON	ON	OFF	OFF
10000	OFF	ON	OFF	OFF
20000	ON	OFF	OFF	OFF
40000	OFF	OFF	OFF	OFF

产品特点 Product characteristics

- 采用超大规模硬件集成电路
- 全数字电流环进行细分控制
- 抗干扰能力强
- 响应速度快
- 振动小，低速效果好
- 高速产生较高力矩，定位精准
- 细分设定 (400 ~51200)
- Adopting ultra large scale hardware integrated circuits
- Fully digital current loop for subdivision control
- Strong anti-interference ability
- Fast response speed
- Low vibration, good low-speed effect
- High speed generates high torque and precise positioning
- Subdivision setting (400~51200)

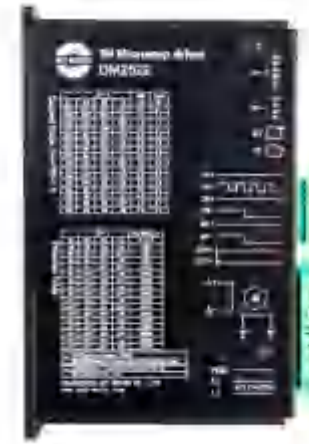
机械安装图 Mechanical drawin



工作电流设定 Working current setting

SW1	SW2	SW3	Peak(A)	RMS(A)
ON	ON	ON	2.5	1.77
OFF	ON	ON	3.1	2.19
ON	OFF	ON	3.8	2.69
OFF	OFF	ON	4.5	3.18
ON	ON	OFF	5.5	3.89
OFF	ON	OFF	6.3	4.46
ON	OFF	OFF	7	4.95
OFF	OFF	OFF	7.8	5.51

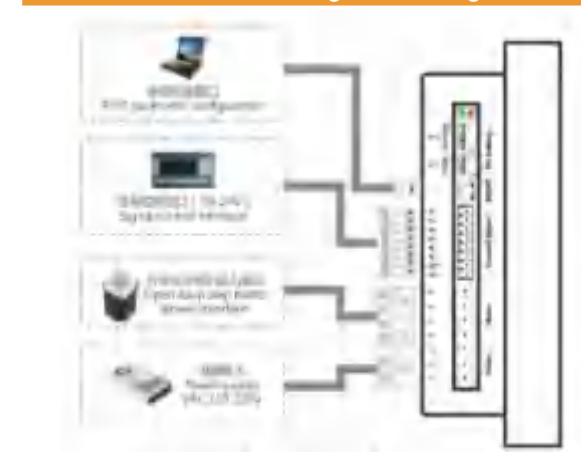
DM2522 两相开环步进电机驱动器 Two-phase open-loop stepper motor driver



电气参数 Electrical parameter

参数 Parameters	最小值 Minimum value	典型值 Typical value	最大值 Maximum value	单位 Unit
连续输出电流 Output	0.5	--	5	A
电源电压 (交流) Power Supply Voltage(AC)	110	220	220	VAC
逻辑输入电流 Logic input current	7	10	16	mA
逻辑输入电压 Logic input voltage	5	5	24	VDC
脉冲频率 Pulse frequency	0	--	150	KHz

产品配置图 Product configuration diagram



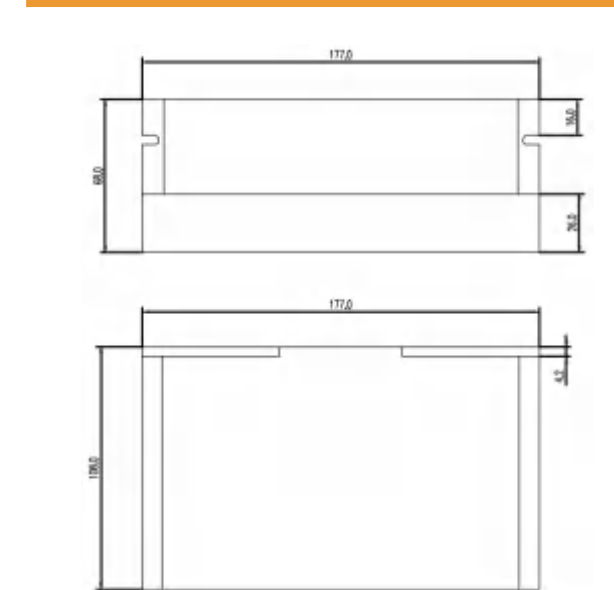
电机细分设置 Motor subdivision setting

细分数	D1	D2	D3	D4
200	ON	ON	ON	ON
400	ON	ON	ON	OFF
800	ON	ON	OFF	ON
1000	ON	ON	OFF	OFF
1600	ON	OFF	ON	ON
2000	ON	OFF	ON	OFF
3200	ON	OFF	OFF	ON
4000	ON	OFF	OFF	OFF
5000	OFF	ON	ON	ON
6400	OFF	ON	ON	OFF
8000	OFF	ON	OFF	ON
10000	OFF	ON	OFF	OFF
12800	OFF	OFF	ON	ON
20000	OFF	OFF	ON	OFF
25600	OFF	OFF	OFF	ON
40000	OFF	OFF	OFF	OFF

产品特点 Product characteristics

- DSP 控制
- 控制输入信号光电隔离
- 广泛运用于大、中型数控设备
- 适配 5A 以内，57~110 步进电机
- 掉电相位记忆功能
- 控制信号电压范围宽，5~24v 兼容
- DSP control
- Control input signal photoelectric isolation
- Widely used in large and medium-sized CNC equipment
- Suitable for stepper motors up to 5A, 57~110 steps
- Power off phase memory function
- Wide control signal voltage range, compatible with 5-24V

机械安装图 Mechanical drawin

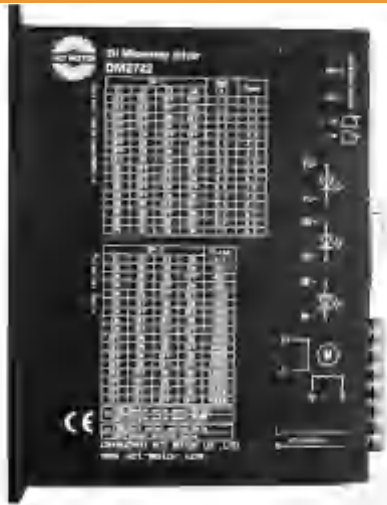


工作电流设定 Working current setting

额定 /A	峰值 /A	D1	D2	D3	D4
0.5	0.7	OFF	OFF	OFF	OFF
0.8	1.1	OFF	OFF	OFF	ON
1.2	1.7	OFF	OFF	ON	OFF
1.5	2.1	OFF	OFF	ON	ON
2.0	2.8	OFF	ON	OFF	OFF
2.5	3.5	OFF	ON	OFF	ON
2.8	3.9	OFF	ON	ON	OFF
3.0	4.2	OFF	ON	ON	ON
3.2	4.5	ON	OFF	OFF	OFF
3.5	4.9	ON	OFF	OFF	ON
3.8	5.3	ON	OFF	ON	OFF
4.0	5.6	ON	OFF	ON	ON
4.2	5.9	ON	ON	OFF	OFF
4.5	6.3	ON	ON	OFF	ON
4.8	6.7	ON	ON	ON	OFF
5.0	7.0	ON	ON	ON	ON



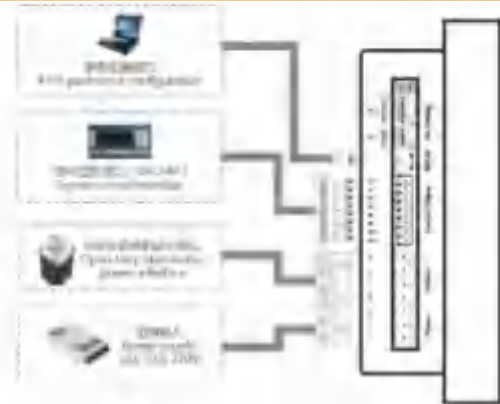
DM2722 两相开环步进电机驱动器 Two-phase open-loop stepper motor driver



电气参数 Electrical parameter

参数 Parameters	最小值 Minimum value	典型值 Typical value	最大值 Maximum value	单位 Unit
连续输出电流 Output	1.2	--	7	A
电源电压 (交流) Power Supply Voltage(AC)	110	220	220	VAC
逻辑输入电流 Logic input current	7	10	16	mA
逻辑输入电压 Logic input voltage	5	5	24	VDC
脉冲频率 Pulse frequency	0	--	150	KHz

产品配置图 Product configuration diagram



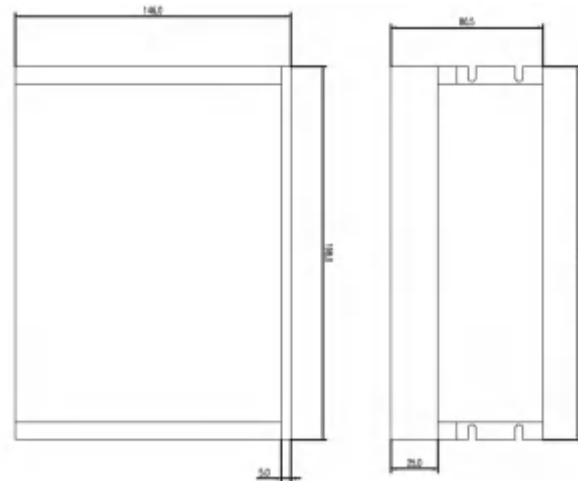
电机细分设置 Motor subdivision setting

细分数	D1	D2	D3	D4
200	ON	ON	ON	ON
400	ON	ON	ON	OFF
800	ON	ON	OFF	ON
1000	ON	ON	OFF	OFF
1600	ON	OFF	ON	ON
2000	ON	OFF	ON	OFF
3200	ON	OFF	OFF	ON
4000	ON	OFF	OFF	OFF
5000	OFF	ON	ON	ON
6400	OFF	ON	ON	OFF
8000	OFF	ON	OFF	ON
10000	OFF	ON	OFF	OFF
12800	OFF	OFF	ON	ON
20000	OFF	OFF	ON	OFF
25600	OFF	OFF	OFF	ON
40000	OFF	OFF	OFF	OFF

产品特点 Product characteristics

- DSP 控制
- 控制输入信号光电隔离
- 广泛运用于大、中型数控设备
- 适配 7A 以内，外径 86~130mm 的步进电机
- 掉电相位记忆功能
- 控制信号电压范围宽，5~24v 兼容
- DSP control
- Control input signal photoelectric isolation
- Widely used in large and medium-sized CNC equipment
- Suitable for stepper motors with an outer diameter of 86~130mm and a diameter of 7A or less
- Power off phase memory function
- Wide control signal voltage range, compatible with 5-24V

机械安装图 Mechanical drawin



工作电流设定 Working current setting

额定	峰值	D1	D2	D3	D4
1.2	1.7	OFF	OFF	OFF	OFF
1.5	2.1	OFF	OFF	OFF	ON
2.0	2.8	OFF	OFF	ON	OFF
2.3	3.2	OFF	OFF	ON	ON
2.5	3.5	OFF	ON	OFF	OFF
3.0	4.2	OFF	ON	OFF	ON
3.2	4.5	OFF	ON	ON	OFF
3.6	5.0	OFF	ON	ON	ON
4.0	5.6	ON	OFF	OFF	OFF
4.5	6.3	ON	OFF	OFF	ON
5.0	7.0	ON	OFF	ON	OFF
5.3	7.4	ON	OFF	ON	ON
5.8	8.1	ON	ON	OFF	OFF
6.2	8.7	ON	ON	OFF	ON
6.5	9.1	ON	ON	ON	OFF
7.0	9.8	ON	ON	ON	ON

3DM225 三相开环步进电机驱动器 Three-phase open-loop stepper motor driver



电气参数 Electrical parameter

参数 Parameters	最小值 Minimum value	典型值 Typical value	最大值 Maximum value	单位 Unit
连续输出电流 Output	1.2	--	5	A
电源电压 (交流) Power Supply Voltage(AC)	110	220	220	VAC
逻辑输入电流 Logic input current	7	10	16	mA
逻辑输入电压 Logic input voltage	5	5	24	VDC
脉冲频率 Pulse frequency	0	--	150	KHz

自检测 Self-Test

D6	自检测开关 Self testing switch
OFF	外部脉冲 External pulse
ON	以 30 转 / 分的速度运行 Running at a speed of 30 revolutions per minute

模式设定 Mode setting

D5	脉冲模式
ON	双脉冲: PU 为正向脉冲步进信号, DR 为反向步进脉冲信号 Dual pulse: PU is a forward pulse step signal, DR is a reverse step pulse signal
OFF	单脉冲: PU 为步进脉冲信号, DR 为方向控制信号 Single pulse: PU is a step pulse signal, DR is a direction control signal

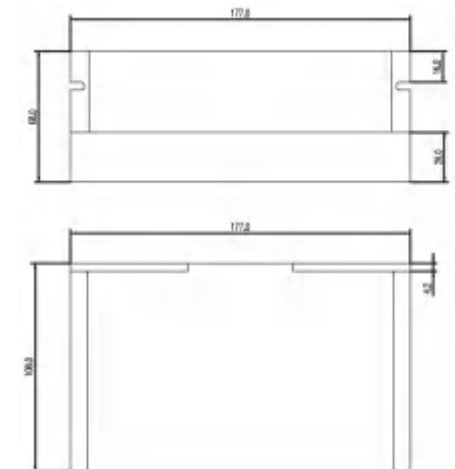
电机细分设置 Motor subdivision setting

细分数	DP2-1	DP2-2	DP2-3	DP2-4
300	ON	ON	ON	ON
500	ON	ON	ON	OFF
600	ON	ON	OFF	ON
800	ON	ON	OFF	OFF
1000	ON	OFF	ON	ON
1200	ON	OFF	ON	OFF
2000	ON	OFF	OFF	ON
3000	ON	OFF	OFF	OFF
4000	OFF	ON	ON	ON
5000	OFF	ON	ON	OFF
6000	OFF	ON	OFF	ON
10000	OFF	ON	OFF	OFF
12000	OFF	OFF	ON	ON
400	OFF	OFF	ON	OFF
2500	OFF	OFF	OFF	ON
8000	OFF	OFF	OFF	OFF

产品特点 Product characteristics

- 采用 DSP 控制芯片
- DSP 控制芯片与三相逆变模块的完美结合
- 振动小，低速运行效果好
- 设置 16 细分模块，最高达 12000 脉冲 / 转
- 采用光电隔离，信号电平兼容 5~24V 电平
- 广泛应用于雕刻机，数控机床，电脑绣花机，包装机械
- 适配于 5A 以下，外径 57~110mm 的三相混合式步进电机
- Adopting DSP control chip
- The perfect combination of DSP control chip and three-phase inverter module
- Low vibration, good low-speed operation effect
- Set up 16 subdivision modules, with a maximum of 12000 pulses per revolution
- Adopting photoelectric isolation, the signal level is compatible with 5-24V levels
- Widely used in carving machines, CNC machine tools, computerized embroidery machines, packaging machinery
- Suitable for three-phase hybrid stepper motors with an outer diameter of 57-110mm and below 5A

机械安装图 Mechanical drawin



工作电流设定 Working current setting

IP(A)	Im(A)	D1	D2	D3	D4
1.7	1.2	off	off	off	off
2.1	1.5	off	off	off	on
2.8	2.0	off	off	on	off
3.2	2.3	off	off	on	on
3.5	2.5	off	on	off	off
4.2	3.0	off	on	off	on
4.5	3.2	off	on	on	off
5.0	3.6	off	on	on	on
5.6	4.0	on	off	off	off
6.3	4.5	on	off	off	on
7.0	5.0	on	off	on	off
7.0	5.0	on	off	on	on
7.0	5.0	on	on	off	off
7.0	5.0	on	on	off	on
7.0	5.0	on	on	on	off
7.0	5.0	on	on	on	on



3DM227 三相开环步进电机驱动器 Three-phase open-loop stepper motor driver



电气参数 Electrical parameter

参数 Parameters	最小值 Minimum value	典型值 Typical value	最大值 Maximum value	单位 Unit
连续输出电流 Output	1.2	--	7	A
电源电压 (交流) Power Supply Voltage(AC)	110	220	220	VAC
逻辑输入电流 Logic input current	7	10	16	mA
逻辑输入电压 Logic input voltage	5	5	24	VDC
脉冲频率 Pulse frequency	0	--	150	KHz

自检测 Self-Test

D6	自检测开关 Self testing switch
OFF	外部脉冲 External pulse
ON	以 30 转 / 分的速度运行 Running at a speed of 30 revolutions per minute

模式设定 Mode setting

D5	脉冲模式
ON	双脉冲: PU 为正向脉冲步进信号, DR 为反向步进脉冲信号 Dual pulse: PU is a forward pulse step signal, DR is a reverse step pulse signal
OFF	单脉冲: PU 为步进脉冲信号, DR 为方向控制信号 Single pulse: PU is a step pulse signal, DR is a direction control signal

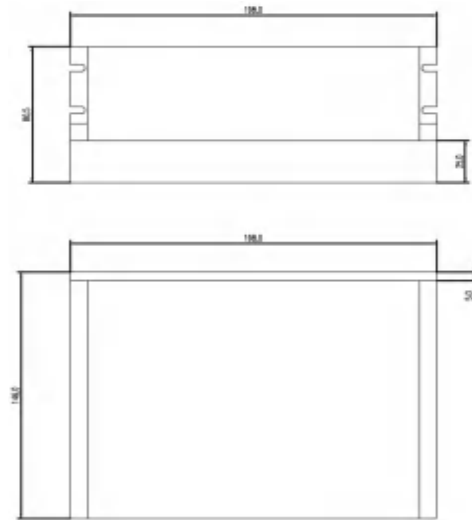
工作电流设定 Working current setting

Ip(A)	Im(A)	D1	D2	D3	D4
1.7	1.2	off	off	off	off
2.1	1.5	off	off	off	on
2.8	2.0	off	off	on	off
3.2	2.3	off	off	on	on
3.5	2.5	off	on	off	off
4.2	3.0	off	on	off	on
4.5	3.2	off	on	on	off
5.0	3.6	off	on	on	on
5.6	4.0	on	off	off	off
6.3	4.5	on	off	off	on
7.0	5.0	on	off	on	off
7.4	5.3	on	off	on	on
7.7	5.5	on	on	off	off
8.7	6.2	on	on	off	on
9.1	6.5	on	on	on	off
9.8	7.0	on	on	on	on

产品特点 Product characteristics

- DSP 控制
 - DSP 控制芯片与三相逆变模块的完美结合
 - 振动小, 低速运行效果好
 - 设置 16 细分模块, 最高达 12000 脉冲 / 转
 - 采用光电隔离, 信号电平兼容 5~24V 电平
 - 广泛应用于雕刻机, 数控机床, 电脑绣花机, 包装机械
 - 适配于外径 86mm, 110mm, 130mm, 的三相混合式步进电机
 - DSP control
- The perfect combination of DSP control chip and three-phase inverter module
- Low vibration, good low-speed operation effect
- Set up 16 subdivision modules, with a maximum of 12000 pulses per revolution
 - Adopting photoelectric isolation, the signal level is compatible with 5-24V levels
 - Widely used in carving machines, CNC machine tools, computerized embroidery machines, packaging machinery
 - Suitable for three-phase hybrid stepper motors with outer diameters of 86mm, 110mm, and 130mm

机械安装图 Mechanical drawin



电机细分设置 Motor subdivision setting

细分数	DP2-1	DP2-2	DP2-3	DP2-4
400	ON	ON	ON	ON
500	ON	ON	ON	OFF
600	ON	ON	OFF	ON
800	ON	ON	OFF	OFF
1000	ON	OFF	ON	ON
1200	ON	OFF	ON	OFF
2000	ON	OFF	OFF	ON
3000	ON	OFF	OFF	OFF
4000	OFF	ON	ON	ON
5000	OFF	ON	ON	OFF
6000	OFF	ON	OFF	ON
10000	OFF	ON	OFF	OFF
12000	OFF	OFF	ON	ON
20000	OFF	OFF	ON	OFF
30000	OFF	OFF	OFF	ON
60000	OFF	OFF	OFF	OFF
DP2-5	ON	双脉冲模式: CW/CCW Dual pulse mode: CW/CCW		
	OFF	脉冲 + 方向模式: PUL 为脉冲信号; DIR 是方向信号 Pulse+direction mode: PUL is a pulse signal; DIR is a directional signal		
DP2-6	ON	电机保持在每米 30 转的速度运行 The motor runs at a speed of 30 revolutions per meter		
	OFF	接收脉冲输入 Receive pulse input		

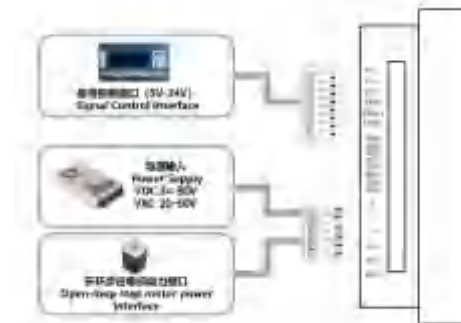
3DM883 三相开环步进电机驱动器 Three-phase open-loop stepper motor driver



电气参数 Electrical parameter

参数 Parameters	最小值 Minimum value	典型值 Typical value	最大值 Maximum value	单位 Unit
连续输出电流 Output	1.7	--	8.3	A
电源电压 (直流) Power Supply Voltage(DC)	20	--	80	VDC
逻辑输入电流 Logic input current	2	10	16	mA
逻辑输入电压 Logic input voltage	5	5	24	VDC
脉冲频率 Pulse frequency	0	--	150	KHz

产品配置图 Product configuration diagram



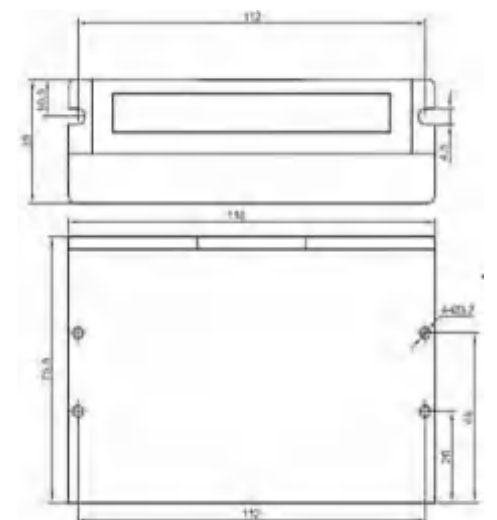
电机细分设置 Motor subdivision setting

细分数	SW5	SW6	SW7	SW8
300	ON	ON	ON	ON
500	ON	ON	ON	OFF
600	ON	ON	OFF	ON
800	ON	ON	OFF	OFF
1000	ON	OFF	ON	ON
1200	ON	OFF	ON	OFF
2000	ON	OFF	OFF	ON
3000	ON	OFF	OFF	OFF
4000	OFF	ON	ON	ON
5000	OFF	ON	ON	OFF
6000	OFF	ON	OFF	ON
10000	OFF	ON	OFF	OFF
12000	OFF	OFF	ON	ON
1600	OFF	OFF	ON	OFF
3200	OFF	OFF	OFF	ON
6400	OFF	OFF	OFF	OFF

产品特点 Product characteristics

- DSP 控制
- DSP 控制芯片与独特控制技术的完美结合
- 振动小, 低速运行效果好
- 设置 16 细分模块, 最高达 12000 脉冲 / 转
- 采用光电隔离, 信号电平兼容 5~24V 电平
- 广泛应用于雕刻机, 点胶机, 螺丝机
- 适配于 6A 以下, 外径 42~57mm 的三相混合式步进电机
- DSP control
- The perfect combination of DSP control chip and unique control technology
- Low vibration, good low-speed operation effect
- Set up 16 subdivision modules, with a maximum of 12000 pulses per revolution
- Adopting photoelectric isolation, the signal level is compatible with 5-24V levels
- Widely used in engraving machines, dispensing machines, and screw machines
- Suitable for three-phase hybrid stepper motors with an outer diameter of 42-57mm and below 6A

机械安装图 Mechanical drawin



工作电流设定 Working current setting

Ip(A)	Im(A)	SW1	SW2	SW3	SW4
1.7	1.2	OFF	OFF	OFF	OFF
2.1	1.5	OFF	OFF	OFF	ON
2.8	2.0	OFF	OFF	ON	OFF
3.2	2.3	OFF	OFF	ON	ON
3.5	2.5	OFF	ON	OFF	OFF
4.2	3.0	OFF	ON	OFF	ON
4.5	3.2	OFF	ON	ON	OFF
5.0	3.6	OFF	ON	ON	ON
5.6	4.0	ON	OFF	OFF	OFF
6.3	4.5	ON	OFF	OFF	ON
7.0	5.0	ON	OFF	ON	OFF
7.4	5.3	ON	OFF	ON	ON
7.7	5.5	ON	ON	OFF	OFF
8.1	5.8	ON	ON	OFF	ON
8.3	6.0	ON	ON	ON	OFF
8.3	6.0	ON	ON	ON	ON



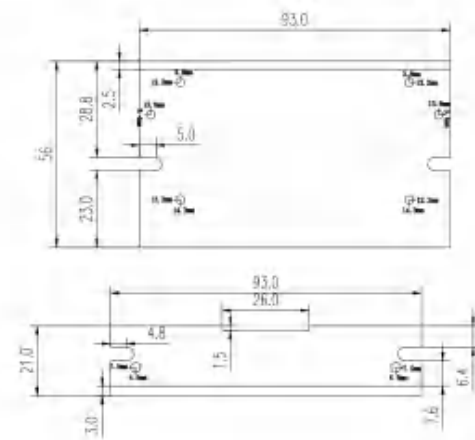
DM430-IO 10 类开环步进电机驱动器 10-class open-loop stepper motor driver



产品特点 Product characteristics

- 速度设定 (40~900 内)
- 电流设定 (0.1~3A 内), 分辨率为: 1
- 可驱动 4 线, 6 线, 8 线电机
- 有过压、欠压、过流、相间短路保护功能
- 信号输入: 单端 脉冲 / 方向
- 变电流控制使电机发热大为降低
- Speed setting (within 40-900)
- Current setting (within 0.1~3A), resolution: 1
- Can drive 4-wire, 6-wire, 8-wire motors
- It has overvoltage, undervoltage, overcurrent, and phase to phase short circuit protection functions
- Signal input: single ended pulse/direction
- Variable current control greatly reduces motor heating

机械安装图 Mechanical drawin



电气参数 Electrical parameter

参数 Parameters	最小值 Minimum value	典型值 Typical value	最大值 Maximum value	单位 Unit
连续输出电流 Output	0.14	--	3	A
电源电压 (直流) Power Supply Voltage(DC)	12	24	32	VDC
逻辑输入电流 Logic input current	6	10	16	mA
逻辑输入电压 Logic input voltage	5	5	24	VDC

产品配置图 Product configuration diagram

端子号 Terminal number	符号 Symbol	名称 Name	说明 Remarks
1	+5V	5V 电源正端 Positive terminal of 5V power supply	仅供外部 STU
2	TXD	RS232 发送端 RS232 sender	
3	RXD	RS232 接收端 RS232 receiver	
4	GND	5V 电源地 5V power supply grounding	0V
5	NC	RS232 接收端 RS232 receiver	

电机细分设置 Motor subdivision setting

RPM	SW5	SW6	SW7	SW8
default(40)	ON	ON	ON	ON
50	OFF	ON	ON	ON
60	ON	OFF	ON	ON
70	OFF	OFF	ON	ON
80	ON	ON	OFF	ON
90	OFF	ON	OFF	ON
100	ON	OFF	OFF	ON
150	OFF	OFF	OFF	ON
200	ON	ON	ON	OFF
250	OFF	ON	ON	OFF
350	ON	OFF	ON	OFF
450	OFF	OFF	ON	OFF
550	ON	ON	OFF	OFF
650	OFF	ON	OFF	OFF
750	ON	OFF	OFF	OFF
900	OFF	OFF	OFF	OFF

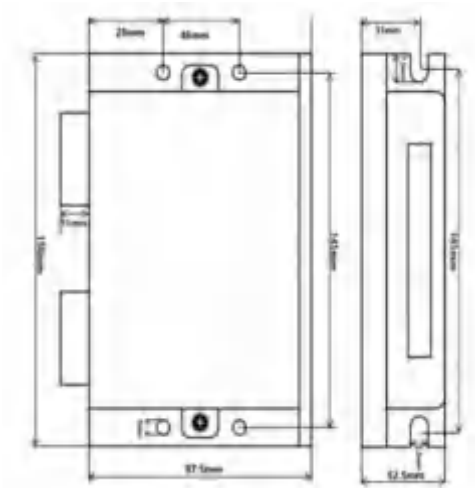
AM556-IO 10 类开环步进电机驱动器 10-class open-loop stepper motor driver



产品特点 Product characteristics

- 速度设定; 细分设定
- 电流设定 (0.4-5.6A 内)
- IO 定速控制, 模拟量控制
- 有过压、欠压、过流、相间短路保护功能
- 信号输入: 单端 脉冲 / 方向
- 变电流控制使电机发热大为降低
- 光电隔离, 差分信号输入
- 具有上升沿, 下降沿, 单双脉冲选择
- 高响应 / 高速低振动, 自测功能
- Speed setting; Subdivision setting
- Current setting (within 0.4-5.6A)
- IO constant speed control, analog control
- It has overvoltage, undervoltage, overcurrent, and phase to phase short circuit protection functions
- Signal input: single ended pulse/direction
- Variable current control greatly reduces motor heating
- Optoelectronic isolation, differential signal input
- With rising edge, falling edge, and single/double pulse selection
- High response/high-speed low vibration, self-test function

机械安装图 Mechanical drawin



电气参数 Electrical parameter

参数 Parameters	最小值 Minimum value	典型值 Typical value	最大值 Maximum value	单位 Unit
连续输出电流 Output	0.4	--	5.6	A
电源电压 (直流) Power Supply Voltage(DC)	20	24/36	60	VDC
逻辑输入电流 Logic input current	6	10	16	mA
逻辑输入电压 Logic input voltage	5	5	24	VDC
脉冲频率 Pulse frequency	0	--	200	KHz

模拟量控制接口 Analog control interface

名称	功能
OUT-10V	提供 10V 电压, 50MA 电流
AIN	模拟量 0~10V 调速接口
EGND	10V 参考极负极

功能设置 Electrical parameter

SW9	静态电流设置 off=50%; on=90%
SW10	滤波时间设置 off=1.5ms; on=10ms
SW11	使能锁轴状态 off=disable 使能后电机不锁轴; on=enable 使能后电机锁轴
SW12	报警输出状态 off=Hi-Z 高阻态导通; on=onstate 低阻态导通
SW13	脉冲接受状态 off=Rise 上升沿; on=Fall 下降沿
SW14	驱动控制模式 off=Pul+Dir (单脉冲); on=CW+CCW (双脉冲)

电机细分设置 Motor subdivision setting

IO/RPM	SW5	SW6	SW7	SW8	Pulse/rew
40	ON	ON	ON	ON	200
50	OFF	ON	ON	ON	400
60	ON	OFF	ON	ON	800
70	OFF	OFF	ON	ON	1600
80	ON	ON	OFF	ON	3200
90	OFF	ON	OFF	ON	6400
100	ON	OFF	OFF	ON	12800
150	OFF	OFF	OFF	ON	25600
200	ON	ON	ON	OFF	1000
250	OFF	ON	ON	OFF	2000
350	ON	OFF	ON	OFF	4000
450	OFF	OFF	ON	OFF	5000
550	ON	ON	OFF	OFF	8000
650	OFF	ON	OFF	OFF	10000
750	ON	OFF	OFF	OFF	20000
850	OFF	OFF	OFF	OFF	25000

工作电流设定 Working current setting

SW1	SW2	SW3	SW4	PEAK	RMS
OFF	OFF	OFF	OFF	0.4A	0.3A
ON	OFF	OFF	OFF	0.7A	0.5A
OFF	ON	OFF	OFF	1.0A	0.7A
ON	ON	OFF	OFF	1.0A	0.8A
OFF	OFF	ON	OFF	1.4A	1.0A
ON	OFF	ON	OFF	1.7A	1.2A
OFF	ON	ON	OFF	2.1A	1.5A
ON	ON	ON	OFF	2.5A	1.8A
OFF	OFF	OFF	ON	2.8A	2.0A
ON	OFF	OFF	ON	3.0A	2.2A
OFF	ON	OFF	ON	3.8A	2.7A
ON	ON	OFF	ON	4.2A	3.0A
OFF	OFF	ON	ON	4.5A	3.2A
ON	OFF	ON	ON	4.9A	3.5A
OFF	ON	ON	ON	5.3A	3.8A
ON	ON	ON	ON	5.6A	4.0A



DM556-IO IO类开环步进电机驱动器 IO-class open-loop stepper motor driver



产品特点 Product characteristics

- 速度设定; 细分设定
- 电流设定 (1.5~6A 内)
- 可驱动 4 线, 6 线, 8 线电机
- 有过压、欠压、过流、相间短路保护功能
- 信号输入: 单端 脉冲 / 方向
- 变电流控制使电机发热大为降低
- 光电隔离, 差分信号输入
- 具有上升沿, 下降沿, 单双脉冲选择
- 高响应 / 高速低振动, 自测功能
- Speed setting; Subdivision setting
- Current setting (within 1.5~6A)
- Can drive 4-wire, 6-wire, 8-wire motors
- It has overvoltage, undervoltage, overcurrent, and phase to phase short circuit protection functions
- Signal input: single ended pulse/direction
- Variable current control greatly reduces motor heating
- Optoelectronic isolation, differential signal input
- With rising edge, falling edge, and single/double pulse selection
- High response/high-speed low vibration, self-test function

电气参数 Electrical parameter

参数 Parameters	最小值 Minimum value	典型值 Typical value	最大值 Maximum value	单位 Unit
连续输出电流 Output	1.5	--	6	A
电源电压 (直流) Power Supply Voltage(DC)	24	24/36	80	VDC
逻辑输入电流 Logic input current	6	10	16	mA
逻辑输入电压 Logic input voltage	5	5	24	VDC
脉冲频率 Pulse frequency	0	--	200	KHz

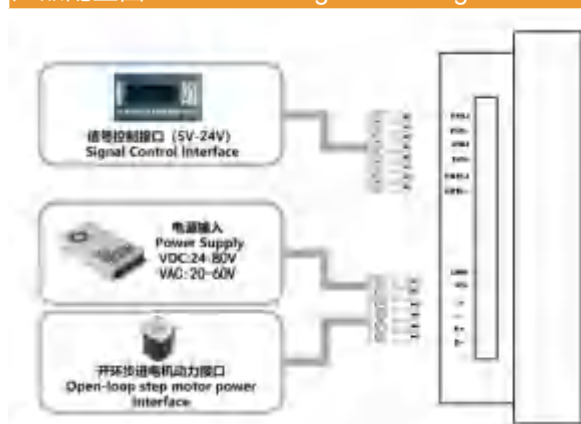
功能设置 Function settings

SW9	off= 下降沿有效; on = 上升沿有效 Off=effective falling edge; On=effective rising edge
SW10	off=4ms (高响应) ; on =10ms (低振动) ; Off=4ms (high response); On=10ms (low vibration)

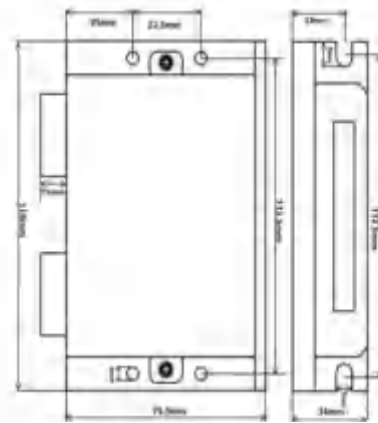
模式设置 Mode setting

mode sel	SW11	SW12
IO 内部自发脉冲 IO internal spontaneous pulse	ON	ON
自测检查 Self testing inspection	ON	OFF
双脉冲 Double pulse	OFF	ON
脉冲 + 方向 Pulse+Direction	OFF	OFF

产品配置图 Product configuration diagram



机械安装图 Mechanical drawin



工作电流设定 Working current setting

SW1	SW2	SW3	PEAK/A	RMS/A
OFF	OFF	OFF	Default (1A)	
ON	OFF	OFF	2.1	1.5
OFF	ON	OFF	2.7	1.9
ON	ON	OFF	3.2	2.3
OFF	OFF	ON	3.8	2.7
ON	OFF	ON	4.3	3.1
OFF	ON	ON	4.9	3.5
ON	ON	ON	6	4.3

电机细分设置 Motor subdivision setting

IO/RPM	SW5	SW6	SW7	SW8	Pulse/rew
10	ON	ON	ON	ON	Default[200]
20	OFF	ON	ON	ON	400
30	ON	OFF	ON	ON	800
40	OFF	OFF	ON	ON	1600
50	ON	ON	OFF	ON	3200
60	OFF	ON	OFF	ON	6400
80	ON	OFF	OFF	ON	12800
100	OFF	OFF	OFF	ON	25600
120	ON	ON	ON	OFF	1000
150	OFF	ON	ON	OFF	2000
200	ON	OFF	ON	OFF	4000
250	OFF	OFF	ON	OFF	5000
300	ON	ON	OFF	OFF	8000
350	OFF	ON	OFF	OFF	10000
450	ON	OFF	OFF	OFF	20000
600	OFF	OFF	OFF	OFF	25000

DM860-IO IO类开环步进电机驱动器 IO-class open-loop stepper motor driver



产品特点 Product characteristics

- 速度设定; 细分设定
- 电流设定 (2~8.4A 内)
- 可驱动 4 线, 6 线, 8 线电机
- 有过压、欠压、过流、相间短路保护功能
- 信号输入: 单端 脉冲 / 方向
- 变电流控制使电机发热大为降低
- 光电隔离, 差分信号输入
- 具有上升沿, 下降沿, 单双脉冲选择
- 高响应 / 高速低振动, 自测功能
- Speed setting; Subdivision setting
- Current setting (within 2~8.4A)
- Can drive 4-wire, 6-wire, 8-wire motors
- It has overvoltage, undervoltage, overcurrent, and phase to phase short circuit protection functions
- Signal input: single ended pulse/direction
- Variable current control greatly reduces motor heating
- Optoelectronic isolation, differential signal input
- With rising edge, falling edge, and single/double pulse selection
- High response/high-speed low vibration, self-test function

电气参数 Electrical parameter

参数 Parameters	最小值 Minimum value	典型值 Typical value	最大值 Maximum value	单位 Unit
连续输出电流 Output	2	--	8.4	A
电源电压 (直流) Power Supply Voltage(DC)	24	48	110	VAC
逻辑输入电流 Logic input current	6	10	16	mA
逻辑输入电压 Logic input voltage	5	5	24	VDC
脉冲频率 Pulse frequency	0	--	200	KHz

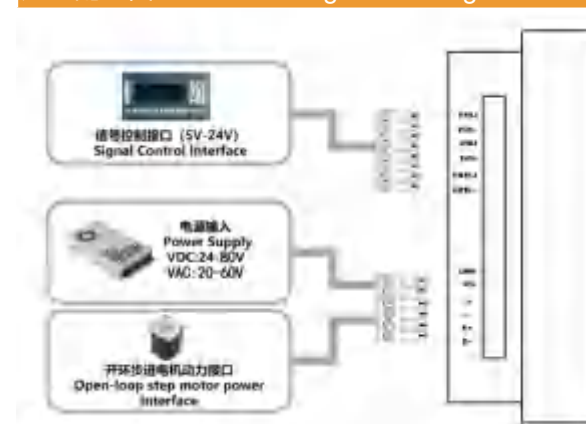
功能设置 Function settings

SW9	off= 下降沿有效; on = 上升沿有效 Off=effective falling edge; On=effective rising edge
SW10	off=4ms (高响应) ; on =10ms (低振动) ; Off=4ms (high response); On=10ms (low vibration)

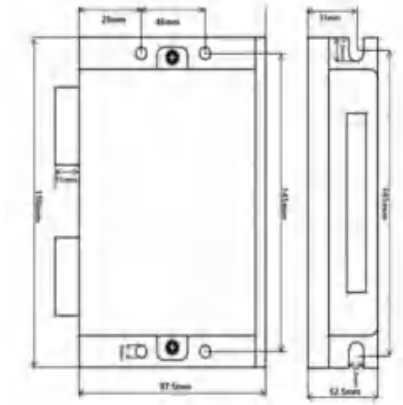
模式设置 Mode setting

mode sel	SW11	SW12
IO 内部自发脉冲 IO internal spontaneous pulse	ON	ON
自测检查 Self testing inspection	ON	OFF
双脉冲 Double pulse	OFF	ON
脉冲 + 方向 Pulse+Direction	OFF	OFF

产品配置图 Product configuration diagram



机械安装图 Mechanical drawin



工作电流设定 Working current setting

PEAK/A	RMS/A	SW1	SW2	SW3
Default(2A)		OFF	OFF	OFF
3.6	2.57	ON	OFF	OFF
4.4	3.14	OFF	ON	OFF
5.2	3.71	ON	ON	OFF
6.0	4.28	OFF	OFF	ON
6.8	4.86	ON	OFF	ON
7.6	5.34	OFF	ON	ON
8.4	6	ON	ON	ON

电机细分设置 Motor subdivision setting

IO/RPM	SW5	SW6	SW7	SW8	Pulse/rew
10	ON	ON	ON	ON	Default[400]
20	OFF	ON	ON	ON	800
30	ON	OFF	ON	ON	1600
40	OFF	OFF	ON	ON	3200
50	ON	ON	OFF	ON	6400
60	OFF	ON	OFF	ON	12800
80	ON	OFF	OFF	ON	25600
100	OFF	OFF	OFF	ON	51200
120	ON	ON	ON	OFF	1000
150	OFF	ON	ON	OFF	2000
200	ON	OFF	ON	OFF	4000
250	OFF	OFF	ON	OFF	5000
300	ON	ON	OFF	OFF	8000
350	OFF	ON	OFF	OFF	10000
450	ON	OFF	OFF	OFF	20000
600	OFF	OFF	OFF	OFF	40000



CS57

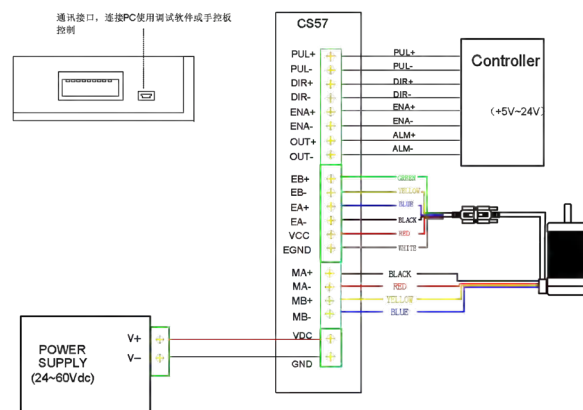
两相闭环步进电机驱动器
Two-phase closed-loop stepper motor driver



电气参数 Electrical parameter

参数 Parameters	最小值 Minimum value	典型值 Typical value	最大值 Maximum value	单位 Unit
连续输出电流 Output	2	--	5	A
电源电压 (直流) Power Supply Voltage(DC)	24	36	50	VDC
逻辑输入电流 Logic input current	6	14	20	mA
逻辑输入电压 Logic input voltage	4.5	5	28	VDC
脉冲频率 Pulse frequency	0	--	200	KHz
绝缘电阻 Insulation resistance	50	--	--	MΩ

产品配置图 Product configuration diagram



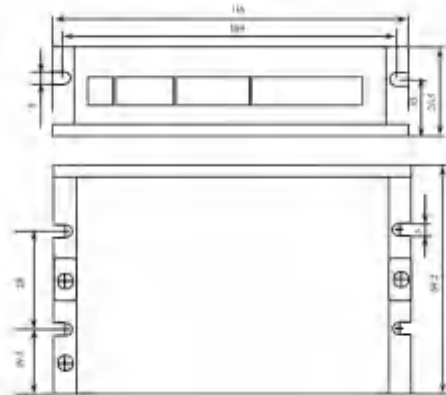
功能设置 Function setting

SW1: 脉冲模式选择 SW1: Pulse mode selection	OFF: PU+DR 单脉冲; ON: CW&CCW 双脉冲 OFF: PU+DR single pulse; ON: CW&CCW dual pulse
SW2: 电机方向选择 SW2: Motor direction selection	OFF: CW 顺时针; ON: CCW 逆时针 OFF: CW clockwise; ON: CCW counterclockwise
SW3: 运行模式选择 SW3: Operation mode selection	OFF: 闭环运行; ON: 开环运行 OFF: Closed loop operation; ON: Open loop operation
SW4: 输出功能选择 SW4: Output function selection	OFF: ALM 报警输出; ON: PEND 到位输出 OFF: ALM alarm output; ON: PEND in place output

产品特点 Product characteristics

- 输入电压 24VDC ~ 50VDC
- 连续输出最大有效值电流 5A
- 支持单双脉冲选择、开 / 闭环算法选择
- 输入信号光耦隔离, 兼容 5V/24V 信号
- 信号差分接口支持差分、共阴、共阳等多种接法
- 脉冲响应频率最高 500k(出厂默认 200k)
- 根据负载大小智能调节电流, 有效减小发热
- 具有输入使能信号、输出到位和报警信号拨码可选
- 具有过压、欠压、过流、位置超差等报警功能
- 具有环路参数自整定功能
- 性能: 运行平稳, 电机噪音小, 超调小
- Input voltage 24VDC~50VDC
- Continuous output maximum effective current 5A
- Support single and double pulse selection, open/closed loop algorithm selection
- Input signal optocoupler isolation, compatible with 5V/24V signals
- The signal differential interface supports multiple connection methods such as differential, common negative, and common positive
- Pulse response frequency up to 500k (factory default 200k)
- Intelligent adjustment of current based on load size, effectively reducing heat generation
- Optional input enable signal, output in place, and alarm signal dialing
- It has alarm functions such as overvoltage, undervoltage, overcurrent, and position deviation
- It has the function of self-tuning loop parameters
- Performance: Smooth operation, low motor noise, and minimal overshoot

机械安装图 Mechanical drawin



电机细分设置 Motor subdivision setting

细分 subdivision numbe	SW5	SW6	SW7	SW8
200	ON	ON	ON	ON
400	OFF	ON	ON	ON
800	ON	OFF	ON	ON
1600	OFF	OFF	ON	ON
3200	ON	ON	OFF	ON
6400	OFF	ON	OFF	ON
12800	ON	OFF	OFF	ON
25600	OFF	OFF	OFF	ON
1000	ON	ON	ON	OFF
2000	OFF	ON	ON	OFF
5000	ON	OFF	ON	OFF
8000	OFF	OFF	ON	OFF
10000	ON	ON	OFF	OFF
20000	OFF	ON	OFF	OFF
3600	ON	OFF	OFF	OFF
7200	OFF	OFF	OFF	OFF

CS86H

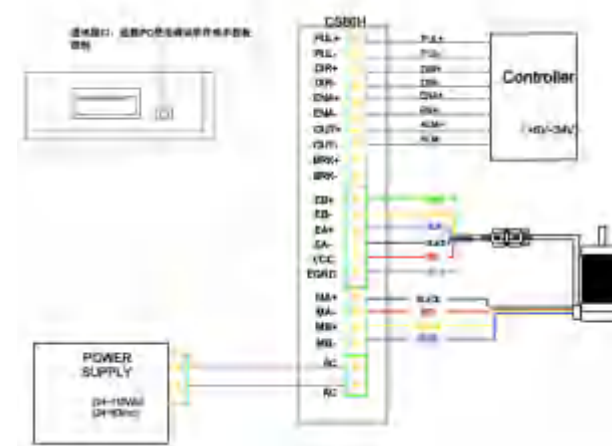
两相闭环步进电机驱动器
Two-phase closed-loop stepper motor driver



电气参数 Electrical parameter

参数 Parameters	最小值 Minimum value	典型值 Typical value	最大值 Maximum value	单位 Unit
连续输出电流 Output	2	--	6	A
电源电压 (交流) Power Supply Voltage(AC)	20	48/70	80	VAC
电源电压 (直流) Power Supply Voltage(DC)	30	48	110	VDC
逻辑输入电流 Logic input current	6	14	20	mA
逻辑输入电压 Logic input voltage	4.5	5	28	VDC
脉冲频率 Pulse frequency	0	--	200	KHz

产品配置图 Product configuration diagram



功能设置 Function setting

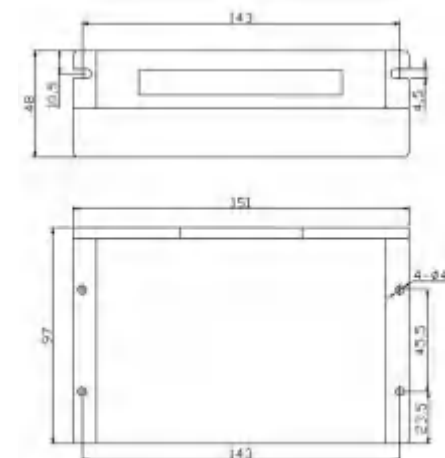
SW1: 脉冲模式选择
OFF: PU+DR 单脉冲; ON: CW&CCW 双脉冲
SW2: 电机方向选择
OFF: CW 顺时针; ON: CCW 逆时针

SW3	SW4	Run Mode
OFF	OFF	Close-Loop 常规闭环控制
OFF	ON	Vector Close-Loop 矢量闭环控制
ON	OFF	Open-Loop 开环控制
ON	ON	IO Speed IO 口速度控制 (reserved)

产品特点 Product characteristics

- 输入电压 30VDC ~ 100VDC 或 20VAC ~ 80VAC
- 连续输出最大有效值电流 6A
- 支持单双脉冲选择、开 / 闭环算法选择
- 输入信号光耦隔离, 兼容 5V/24V 信号
- 信号差分接口支持差分、共阴、共阳等多种接法
- 脉冲响应频率最高 500k(出厂默认 200k)
- 根据负载大小智能调节电流, 有效减小发热
- 具有输入使能信号、输出到位和报警信号拨码可选
- 具有过压、欠压、过流、位置超差等报警功能
- 具有环路参数自整定功能
- 性能: 运行平稳, 电机噪音小, 超调小
- Input voltage 30VDC~100VDC or 20VAC~80VAC
- Continuous output maximum effective current 6A
- Support single and double pulse selection, open/closed loop algorithm selection
- Input signal optocoupler isolation, compatible with 5V/24V signals
- The signal differential interface supports multiple connection methods such as differential, common negative, and common positive
- Pulse response frequency up to 500k (factory default 200k)
- Intelligent adjustment of current based on load size, effectively reducing heat generation
- Optional input enable signal, output in place, and alarm signal dialing
- It has alarm functions such as overvoltage, undervoltage, overcurrent, and position deviation
- It has the function of self-tuning loop parameters
- Performance: Smooth operation, low motor noise, and minimal overshoot

机械安装图 Mechanical drawin



电机细分设置 Motor subdivision setting

细分	SW5	SW6	SW7	SW8
200	ON	ON	ON	ON
400	OFF	ON	ON	ON
800	ON	OFF	ON	ON
1600	OFF	OFF	ON	ON
3200	ON	ON	OFF	ON
6400	OFF	ON	OFF	ON
12800	ON	OFF	OFF	ON
25600	OFF	OFF	OFF	ON
1000	ON	ON	ON	OFF
2000	OFF	ON	ON	OFF
5000	ON	OFF	ON	OFF
8000	OFF	OFF	ON	OFF
10000	ON	ON	OFF	OFF
20000	OFF	ON	OFF	OFF
3600	ON	OFF	OFF	OFF
7200	OFF	OFF	OFF	OFF



HBS758

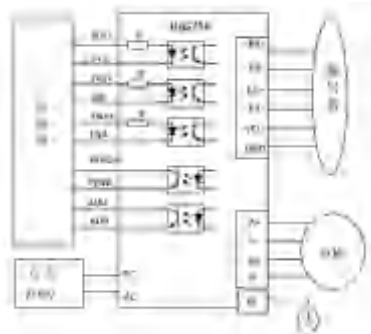
两相闭环步进电机驱动器
Two-phase closed-loop stepper motor driver



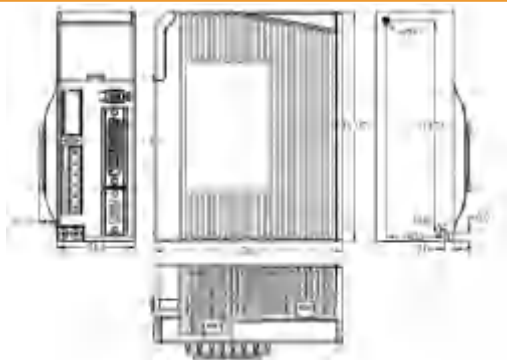
电气参数 Electrical parameter

参数 Parameters	最小值 Minimum value	典型值 Typical value	最大值 Maximum value	单位 Unit
连续输出电流 Output	0.5	--	8	A
电源电压 (交流) Power Supply Voltage(AC)	20	60	75	VAC
逻辑输入电流 Logic input current	7	10	20	mA
逻辑输入电压 Logic input voltage	5	--	24	VDC
脉冲频率 Pulse frequency	0	--	200	KHz
脉冲高电平宽度 High level pulse width	--	--	--	US
绝缘电阻 Insulation resistance	100	--	--	MΩ

产品配置图 Porduct configuration diagram



机械安装图 Mechanical drawin



产品特点 Porduct characteristics

- 采用全新 32 位电机控制专用 DSP 芯片
- 采用先进的矢量型变电流闭环控制技术
- 可以派生含有电机刹车控制功能
- 可以派生含有编码器输出功能
- 可驱动 57 系列, 60 系列, 86 系列混合伺服电机
- 信号光耦隔离差分输入
- 脉冲响应频率 200KHz 和 500KHz 可选
- 细分设定 (200~51200 内)
- 具有过流、过压和跟踪误差超差等保护
- 六位数码管显示, 可方便设置参数和监视电机运行状态等
- Adopting a brand new 32-bit motor control dedicated DSP chip
- Adopting advanced vector type variable current closed-loop control technology
- Can derive motor brake control function
- Can derive encoder output function
- Can drive 57 series, 60 series, 86 series hybrid servo motors
- Signal optocoupler isolation differential input
- Pulse response frequencies of 200KHz and 500KHz are optional
- Subdivision setting (within 200~51200)
- It has protection against overcurrent, overvoltage, and tracking error deviation
- Six digit digital display, convenient for setting parameters and monitoring motor operation status, etc

电机细分设置 Motor subdivision setting

参数模式数码管显示为: 888888 其中的“00”表示参数序号, 具体含义如下				
参数序号	定义	默认值	范围	说明
0	电流环 Kp	1000	0 ~65535	
1	电流环 Ki	200	0 ~65535	
2	电流环 Kc	256	0 ~1024	
3	位置环 Kp	2500	0 ~65535	
4	位置环 Ki	500	0 ~65535	
5	位置环 Kd	200	0 ~1000	
6	位置环 Kvff	30	0 ~100	
7	每转脉冲	4000	200 ~65535	
8	编码器分辨率	4000	200 ~65535	
9	跟踪误差报警阈值	1000	1 ~65535	
10	保持电流百分比	40	0 ~100	
11	闭环电流百分比	100	1 ~100	
12	保持时间	1000	1 ~65535	
13	脉冲滤波使能	0	0/1	
14	滤波时间	25600	0 ~25600	
15	使能电平	1	0/1	
16	故障输出电平	1	0/1	
17	单双脉冲选择	0	0/1	
18	脉冲有效沿	0	0/1	
19	电机旋转方向	1	0/1	
20	可接受脉冲频率范围旋转	0	0/1	
21	加速度	200	1 ~2000	这些参数是通过按键面板控制电机旋转时用到
22	速度	60	1 ~3000	
23	行程	100	1 ~65535	
24	运行次数	1	1 ~65535	
25	启动方向	1	0/1	
26	运行间隔时间	100	1 ~65535	
27	是否往复运行	1	0/1	
28	启动 / 停止测试预留	1	0/1	

RSO872

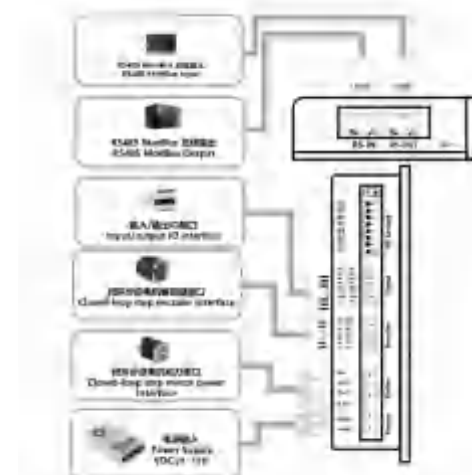
RS485 开环步进电机驱动器
RS485 open-loop stepper motor driver



电气参数 Electrical parameter

参数 Parameters	最小值 Minimum value	典型值 Typical value	最大值 Maximum value	单位 Unit
连续输出电流 Output	0.5	--	7.2	A
电源电压 (交流) Power Supply Voltage(AC)	24	--	80	VAC
逻辑输入电流 Logic input current	6	10	16	mA
逻辑输入电压 Logic input voltage	24	24/36/48	110	VDC
脉冲频率 Pulse frequency	--	--	--	KHz
脉冲高电平宽度 High level pulse width	--	--	--	US
绝缘电阻 Insulation resistance	100	--	--	MΩ
RS485 通讯频率 RS485 frequency	1	--	1000	KHz

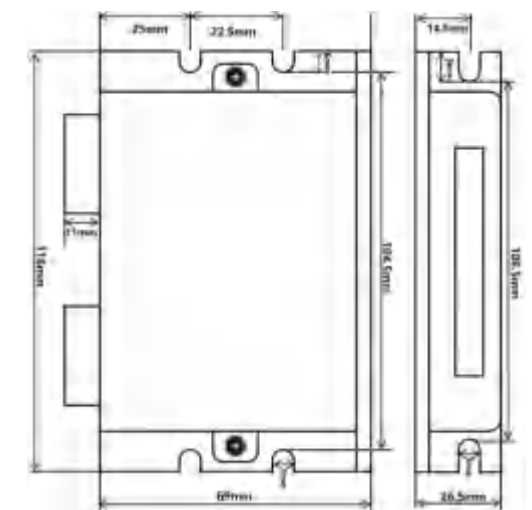
产品配置图 Porduct configuration diagram



产品特点 Porduct characteristics

- 全新 32 位 DSP 技术
- 采用 RS485 通讯信号电气全隔离接口电路方案, 通讯稳定可靠
- 5 路光电隔离信号输入, 其中 2 路为高速光耦隔离
- 2 路光耦隔离 OC 输出
- 参数上电自动匹配电机功能
- 变电流控制使电机发热大为降低
- 可驱动多种开环步进电机
- 通讯频率最高可达 1MHz (出厂默认 9600Hz)
- 电流设定方便, 可在 0.5-7.2A 之间任意选择
- 具有过压、欠压、过流、缺相、电机线损坏, 编码器线错误或损坏等保护功能
- New 32-bit DSP technology
- Adopting RS485 communication signal electrical fully isolated interface circuit scheme, stable and reliable communication
- 5 photoelectric isolation signal inputs, of which 2 are high-speed optocoupler isolation
- 2-channel optocoupler isolated OC output
- Parameter power on automatic matching motor function
- Variable current control greatly reduces motor heating
- Can drive multiple open-loop stepper motors
- The communication frequency can reach up to 1MHz (factory default 9600Hz)
- Convenient current setting, can be freely selected between 0.5-7.2A
- It has protection functions such as overvoltage, undervoltage, overcurrent, phase loss, motor wire damage, encoder wire error or damage, etc

机械安装图 Mechanical drawin



电机细分设置 Motor subdivision setting

ID	S1	S2	S3	S4	S5
Reserved	on	on	on	on	on
1	off	on	on	on	on
2	on	off	on	on	on
3	off	off	on	on	on
4	on	on	off	on	on
5	off	on	off	on	on
.....					
30	on	off	off	off	off
31	off	off	off	off	off

注: RS485 的 ID 表格计算值计算公式为: ID=1*S1+2*S2+4*S3+8*S4+16*S5, 默认 ID 值为 0,0 表示广播地址, 可以通过上位机设置其它更高的地址。
Note: The calculation formula for the ID table of RS485 is: ID=1*S1+2*S2+4*S3+8*S4+16*S5, The default ID value of 0,0 represents the broadcast address, and other higher addresses can be set through the upper computer.



RSC878

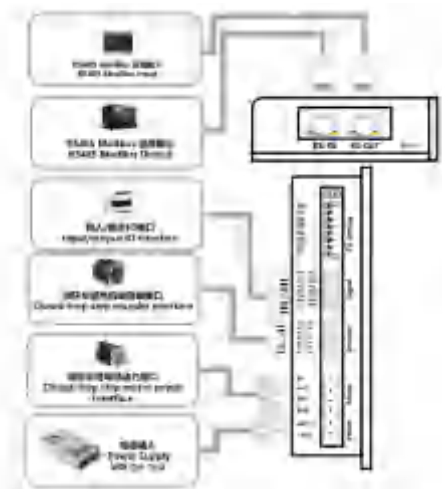
RS485 闭环步进电机驱动器
RS485 closed-loop stepper motor driver



电气参数 Electrical parameter

参数 Parameters	最小值 Minimum value	典型值 Typical value	最大值 Maximum value	单位 Unit
连续输出电流 Output	0.5	--	7.8	A
电源电压 (交流) Power Supply Voltage(AC)	24	24/36/48	75	VAC
逻辑输入电流 Logic input current	6	10	16	mA
逻辑输入电压 Logic input voltage	5	--	24	VDC
RS485 通讯频率 RS485 frequency	1	--	1000	KHz
脉冲高电平宽度 High level pulse width	--	--	--	US
绝缘电阻 Insulation resistance	100	--	--	MΩ

产品配置图 Product configuration diagram



功能设置 Function setting

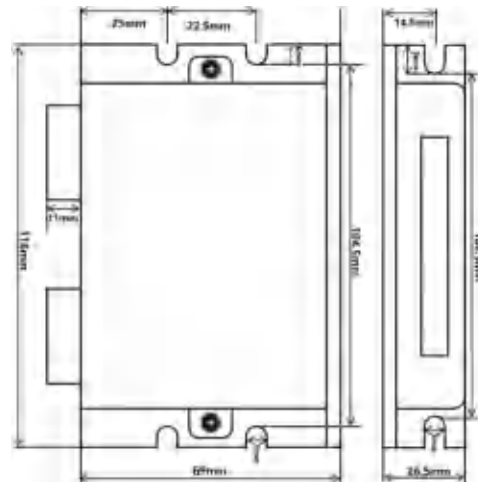
SW5 设置电机方向, 当为 ON 时, 电机顺时针转为 CW, 当为 OFF 时, 电机逆时针转为 CCW。
SW5 sets the motor direction. When it is ON, the motor rotates clockwise to CW, and when it is OFF, the motor rotates counterclockwise to CCW.

SW6 功能模式选择, 当为 OFF 时, 驱动器为空间矢量控制模式为 FOC, 当为 on 时, 驱动器点位运动模式为 PM。
SW6 function mode selection, when OFF, the driver is in space vector control mode FOC, and when ON, the driver point motion mode PM.

产品特点 Product characteristics

- 全新 32 位 DSP 技术
- 采用 RS485 通讯信号电气全隔离接口电路方案, 通讯稳定可靠
- 5 路光电隔离信号输入, 其中 2 路为高速光耦隔离
- 2 路光耦隔离 OC 输出
- 变电流控制使电机发热大为降低
- 可驱动多种闭环步进电机
- 通讯频率最高可达 1MHz (出厂默认 9600Hz)
- 电流设定方便, 可在 0.5-7.8A 之间任意选择
- 具有过压、欠压、过流、缺相、电机线损坏、编码器线错误或损坏等保护功能
- New 32-bit DSP technology
- Adopting RS485 communication signal electrical fully isolated interface circuit scheme, stable and reliable communication
- 5 photoelectric isolation signal inputs, of which 2 are high-speed optocoupler isolation
- 2-channel optocoupler isolated OC output
- Variable current control greatly reduces motor heating
- Can drive multiple closed-loop stepper motors
- The communication frequency can reach up to 1MHz (factory default 9600Hz)
- Convenient current setting, can be freely selected between 0.5-7.8A
- It has protection functions such as overvoltage, undervoltage, overcurrent, phase loss, motor wire damage, encoder wire error or damage, etc

机械安装图 Mechanical drawin



电机细分设置 Motor subdivision setting

ID	S1	S2	S3	S4	S5
Reserved(出厂默认)	on	on	on	on	on
1	off	on	on	on	on
2	on	off	on	on	on
3	off	off	on	on	on
4	on	on	off	on	on
5	off	on	off	on	on
.....					
30	on	off	off	off	off
31	off	off	off	off	off

注: RS485 的 ID 表格计算值计算公式为: ID=1*S1+2*S2+4*S3+8*S4+16*S5, 默认 ID 值为 0, 0 表示广播地址, 可以通过上位机设置其它更高的地址。
Note: The calculation formula for the ID table of RS485 is: ID=1*S1+2*S2+4*S3+8*S4+16*S5, The default ID value is 0, which represents the broadcast address. Other higher addresses can be set through the upper computer.

CSO808

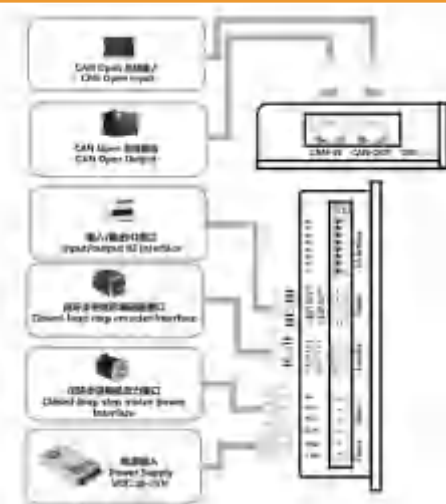
CAN OPEN 闭环步进驱动器
CAN OPEN closed-loop stepper motor driver



电气参数 Electrical parameter

参数 Parameters	最小值 Minimum value	典型值 Typical value	最大值 Maximum value	单位 Unit
连续输出电流 Output	0.5	--	8.0	A
电源电压 (直流) Power Supply Voltage(DC)	24	24/36/48	75	VDC
逻辑输入电流 Logic input current	6	10	16	mA
逻辑输入电压 Logic input voltage	5	--	24	VDC
CAN OPEN 通讯频率 Can Open communication frequency	1	--	1000	KHz
脉冲高电平宽度 High level pulse width	--	--	--	US
绝缘电阻 Insulation resistance	100	--	--	MΩ

产品配置图 Product configuration diagram



功能设置 Function setting

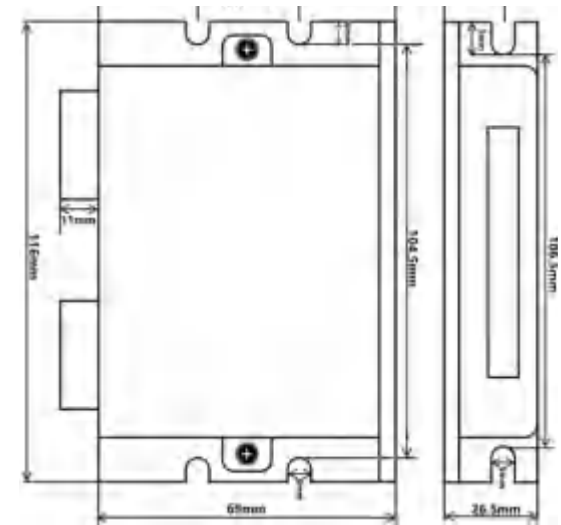
Baud Rate	SW6	SW7
Default(100KHz, 可使用上位机设定) Default (100KHz, can be set using the upper computer)	on	on
200KHz	off	on
500KHz	on	off
1MHz(出厂设定值) 1 MHz (factory setting)	off	off

注: 在网络最末端的驱动器要求将 SW8=on
Note: The driver at the end of the network requires SW8=on

产品特点 Product characteristics

- 全新 32 位 DSP 技术
- 1 路 0-5V 模拟量输入
- 4 路光耦隔离 OC 输出
- 参数上电自动匹配电机功能
- 变电流控制使电机发热大为降低
- 可驱动多种机座的闭环步进电机, 28 类, 42 类, 57 类, 60 类, 86 类等
- 5 路光电隔离信号输入, 其中 2 路为高速光耦隔离
- 通讯频率最高可达 1MHz(出厂默认 1MHz)
- 电流设定方便, 可在 0.1-8.0A 之间任意选择
- 具有过压、欠压、过流等保护功能
- New 32-bit DSP technology
- 1-channel 0-5V analog input
- 4-channel optocoupler isolated OC output
- Parameter power on automatic matching motor function
- Variable current control greatly reduces motor heating
- Closed loop stepper motors that can drive multiple machine bases, including Class 28, Class 42, Class 57, Class 60, Class 86, etc
- 5 photoelectric isolation signal inputs, of which 2 are high-speed optocoupler isolation
- The communication frequency can reach up to 1MHz (factory default 1MHz)
- Convenient current setting, can be freely selected between 0.1-8.0A
- It has protection functions such as overvoltage, undervoltage, overcurrent, etc

机械安装图 Mechanical drawin



电机细分设置 Motor subdivision setting

ID	S1	S2	S3	S4	S5
Reserved(出厂默认)	on	on	on	on	on
1	off	on	on	on	on
2	on	off	on	on	on
3	off	off	on	on	on
4	on	on	off	on	on
5	off	on	off	on	on
.....					
30	on	off	off	off	off
31	off	off	off	off	off

注: CAN 的 ID 表格计算值计算公式为: ID=1*S1+2*S2+4*S3+8*S4+16*S5, 默认 ID 值为 0, 0 表示广播地址, 可以通过上位机设置其它更高的地址。
Note: The calculation formula for the ID table of CAN is: ID=1*S1+2*S2+4*S3+8*S4+16*S5, The default ID value is 0, which represents the broadcast address. Other higher addresses can be set through the upper computer.



CSC808

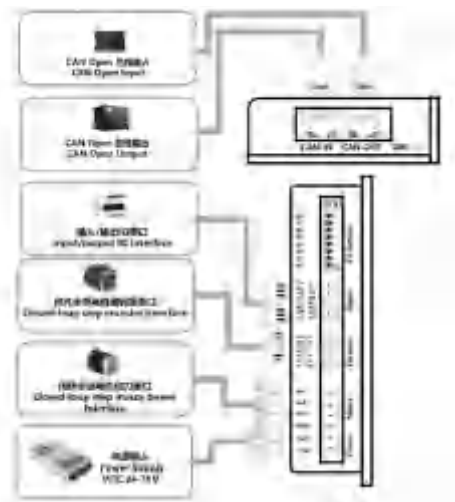
CAN OPEN 闭环步进驱动器
CAN OPEN closed-loop stepper motor driver



电气参数 Electrical parameter

参数 Parameters	最小值 Minimum value	典型值 Typical value	最大值 Maximum value	单位 Unit
连续输出电流 Output	0.5	-	8.0	A
电源电压 (直流) Power Supply Voltage(DC)	24	24/36/48	75	VDC
逻辑输入电流 Logic input current	6	10	16	mA
逻辑输入电压 Logic input voltage	5	5	24	VDC
CAN OPEN 通讯频率 Can Open communication frequency	1	-	1000	KHz

产品配置图 Product configuration diagram



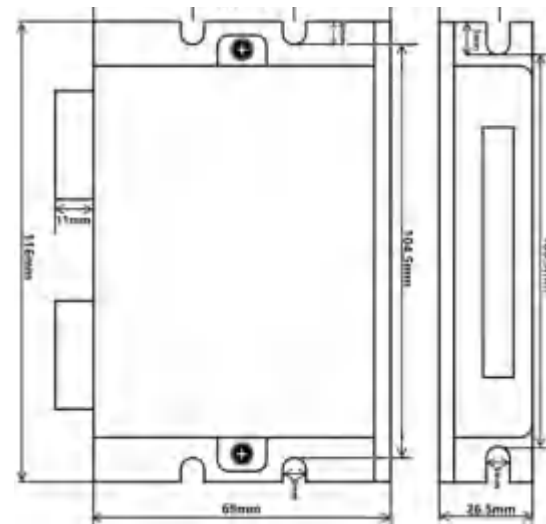
功能设置 Function setting

Baud Rate	SW6	SW7
Default(100KHz, 可使用上位机设定) Default (100KHz, set by PC)	on	on
200KHz	off	on
500KHz	on	off
1MHz(出厂设定值) 1 Mhz (factory setting)	off	off
SW8: off=CAN R off, 默认为 (Default to)off; on= CAN R on		
注: 在网络最末端的驱动器要求将 SW8=on Note: The driver at the end of the network requires SW8=on		

产品特点 Product characteristics

- 全新 32 位 DSP 技术
- 1 路 0-5V 模拟量输入
- 4 路光耦隔离 OC 输出
- 参数上电自动匹配电机功能
- 变电流控制使电机发热大为降低
- 可驱动多种机座的闭环步进电机, 28 类, 42 类, 57 类, 60 类, 86 类等
- 5 路光电隔离信号输入, 其中 2 路为高速光耦隔离
- 通讯频率最高可达 1MHz(出厂默认 1MHz)
- 电流设定方便, 可在 0.1-8.0A 之间任意选择
- 具有过压、欠压、过流等保护功能
- New 32-bit DSP technology
- 1-channel 0-5V analog input
- 4-channel optocoupler isolated OC output
- Parameter power on automatic matching motor function
- Variable current control greatly reduces motor heating
- Closed loop stepper motors that can drive multiple machine bases, including Class 28, Class 42, Class 57, Class 60, Class 86, etc
- 5 photoelectric isolation signal inputs, of which 2 are high-speed optocoupler isolation
- The communication frequency can reach up to 1MHz (factory default 1MHz)
- Convenient current setting, can be freely selected between 0.1-8.0A
- It has protection functions such as overvoltage, undervoltage, overcurrent, etc

机械安装图 Mechanical drawin



电机细分设置 Motor subdivision setting

ID	S1	S2	S3	S4	S5
Reserved (出厂默认)	on	on	on	on	on
1	off	on	on	on	on
2	on	off	on	on	on
3	off	off	on	on	on
4	on	on	off	on	on
5	off	on	off	on	on
.....					
30	on	off	off	off	off
31	off	off	off	off	off

注: CAN 的 ID 表格计算值计算公式为: ID=1*S1+2*S2+4*S3+8*S4+16*S5, 默认 ID 值为 0, 0 表示广播地址, 可以通过上位机设置其它更高的地址。
Note: The calculation formula for the ID table of CAN is: ID=1*S1+2*S2+4*S3+8*S4+16*S5, The default ID value is 0, which represents the broadcast address. Other higher addresses can be set through the upper computer.

EC8A

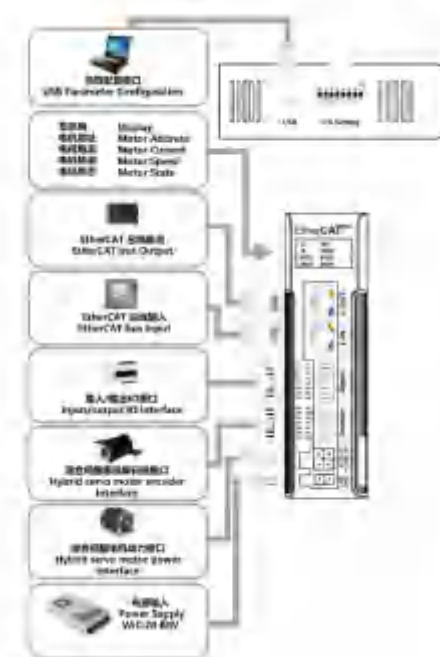
Ether CAT 总线步进电机驱动器
Ether CAT Bus Stepper Motor Driver



电气参数 Electrical parameter

参数 Parameters	最小值 Minimum value	典型值 Typical value	最大值 Maximum value	单位 Unit
连续输出电流 Output	0.5	--	8.0	A
电源电压 (交流) Power Supply Voltage(AC)	20	24/36/48	60	VAC
逻辑输入电流 Logic input current	6	10	16	mA
逻辑输入电压 Logic input voltage	5	5	24	VDC
Ether-CAT 通讯频率 Ether-CAT frequency	--	100	--	KHz

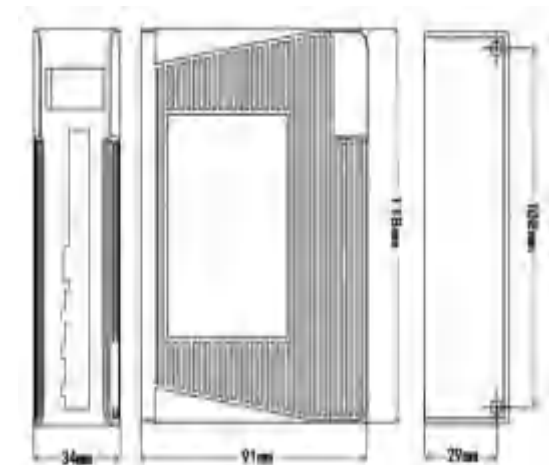
产品配置图 Product configuration diagram



产品特点 Product characteristics

- 全新浮点 32 位 MCU 技术
- 2 路模拟量 0-5V 输入
- 4 路光耦隔离 OC 输出
- 参数上电自动整定功能
- 变电流控制使电机发热大为降低
- 编码器线数 500-5000 线均可配置
- 5 路光耦隔离信号输入, 其中 2 路为高速光耦隔离
- 通讯频率 100MHz
- 电流可在 0.5-8A 之间随负载变化而变换
- 出厂默认细分为 50000 (可通过软件修改)
- New Floating Point 32-bit MCU Technology
- 2-channel analog 0-5V input
- 4-channel optocoupler isolated OC output
- Automatic parameter setting function when powered on
- Variable current control greatly reduces motor heating
- Encoder lines can be configured with 500-5000 lines
- 5 optical isolation signal inputs, of which 2 are high-speed optocoupler isolation
- Communication frequency 100MHz
- The current can vary with the load between 0.5-8A
- Factory default subdivision is 50000 (can be modified through software)

机械安装图 Mechanical drawin



地址功能设定 Address function setting

ID	S1	S2	S3	S4	S5	S6	S7
Reserved (出厂默认)	on	on	on	on	on	on	on
1	off	on	on	on	on	on	on
2	on	off	on	on	on	on	on
3	off	off	on	on	on	on	on
4	on	on	off	on	on	on	on
5	off	on	off	on	on	on	on
.....							
126	on	off	off	off	off	off	off
127	off	off	off	off	off	off	off



EO8A

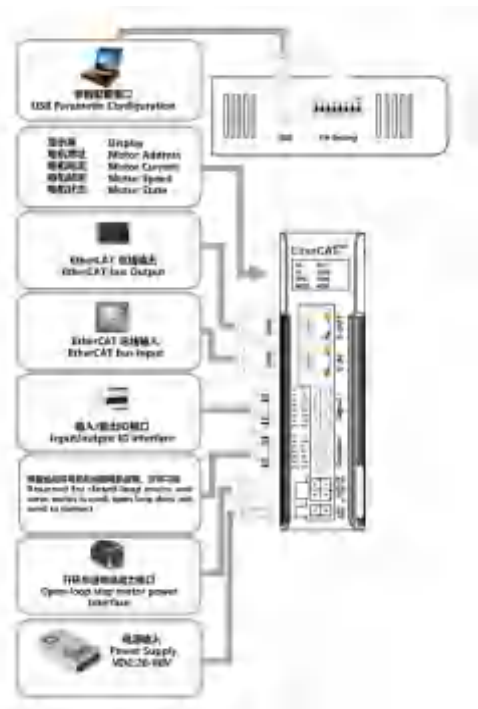
Ether-CAT 总线步进电机驱动器
Ether-CAT Bus Stepper Motor Driver



电气参数 Electrical parameter

参数 Parameters	最小值 Minimum value	典型值 Typical value	最大值 Maximum value	单位 Unit
连续输出电流 Output	2.0	-	8.0	A
电源电压 (交流) Power Supply Voltage(AC)	20	24/36/48/60	80	VAC
逻辑输入电流 Logic input current	6	10	16	mA
逻辑输入电压 Logic input voltage	5	5	24	VDC
Ether-CAT 通讯频率 Ether-CAT frequency	-	100	-	KHz

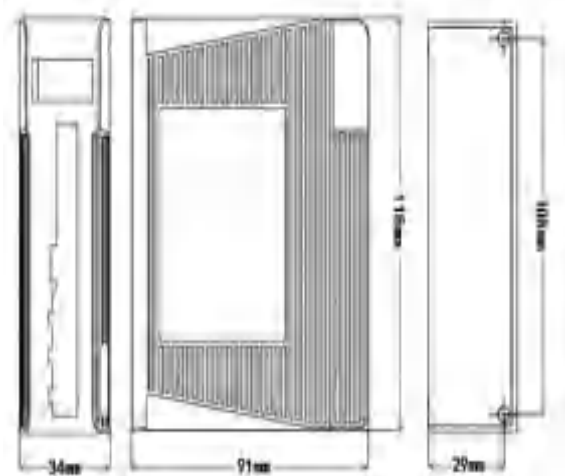
产品配置图 Product configuration diagram



产品特点 Product characteristics

- 全新浮点 32 位 MCU 技术
- 4 路光耦隔离 OC 输出
- 参数上电自动整定功能
- 变电流控制使电机发热大为降低
- 5 路光隔离信号输入, 其中 2 路为高速光耦隔离
- 通讯频率 100MHz
- 电流可在 2-8A 之间随负载变化而变换
- 出厂默认细分为 50000 (可通过软件修改)
- New Floating Point 32-bit MCU Technology
- 4-channel optocoupler isolated OC output
- Automatic parameter setting function when powered on
- Variable current control greatly reduces motor heating
- 5 optical isolation signal inputs, of which 2 are high-speed optocoupler isolation
- Communication frequency 100MHz
- The current can vary between 2-8A with the change of load
- Factory default subdivision is 50000 (can be modified through software)

机械安装图 Mechanical drawin



地址功能设定 Address function setting

ID	S1	S2	S3	S4	S5	S6	S7
Reserved (出厂默认)	on	on	on	on	on	on	on
1	off	on	on	on	on	on	on
2	on	off	on	on	on	on	on
3	off	off	on	on	on	on	on
4	on	on	off	on	on	on	on
5	off	on	off	on	on	on	on
.....							
126	on	off	off	off	off	off	off
127	off	off	off	off	off	off	off

ECO525

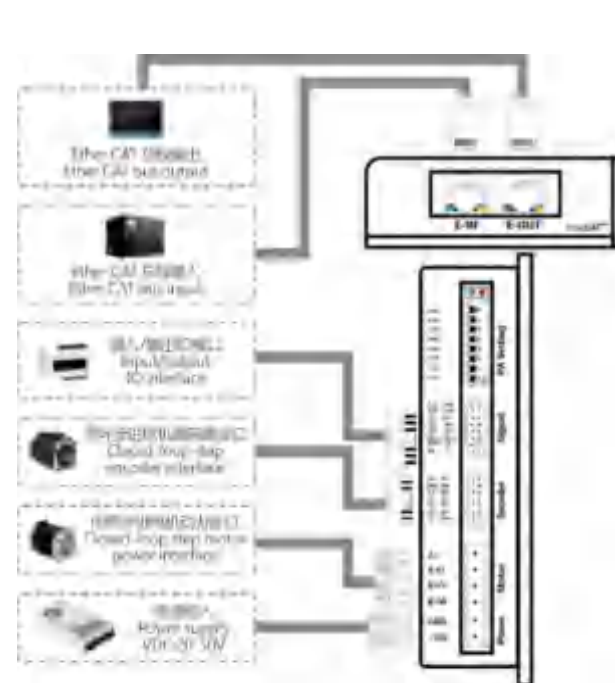
Ether-CAT 总线步进电机驱动器
Ether-CAT Bus Stepper Motor Driver



电气参数 Electrical parameter

参数 Parameters	最小值 Minimum value	典型值 Typical value	最大值 Maximum value	单位 Unit
连续输出电流 Output	0.3	-	2.5	A
电源电压 (直流) Power Supply Voltage(DC)	15	24	50	VDC
逻辑输入电流 Logic input current	6	10	16	mA
逻辑输入电压 Logic input voltage	4.5	5	28	VDC
Ether-CAT 通讯频率 Ether-CAT frequency	-	100	-	KHz

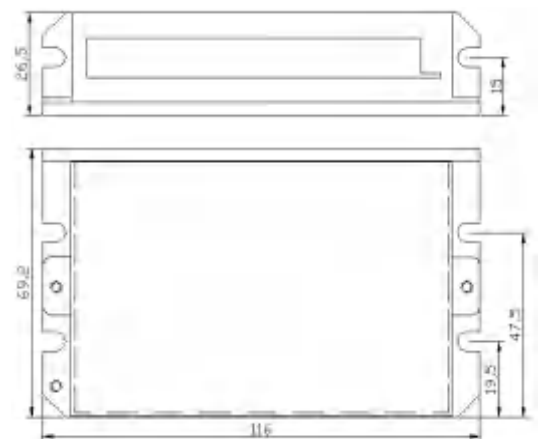
产品配置图 Product configuration diagram



产品特点 Product characteristics

- 通讯频率 100MHz
- 带串口设置和调试功能
- 3 路光耦隔离 OC 输出
- 参数上电自动整定功能
- 变电流控制使电机发热大为降低
- 上电自动匹配电机
- 可驱动多种开环步进电机, 例如 28, 35, 42 系列开环步进系列电机
- 5 路光隔离信号输入, 其中 2 路为高速光耦隔离
- 电流设定方便, 可在 0.3-2.5A 之间任意选择, 出厂默认电流 1.5A (峰值电流)
- Communication frequency 100MHz
- Equipped with serial port settings and debugging functions
- 3-channel optocoupler isolated OC output
- Automatic parameter setting function when powered on
- Variable current control greatly reduces motor heating
- Automatic matching motor when powered on
- Can drive multiple open-loop stepper motors, such as the 28, 35, and 42 series open-loop stepper motors
- 5 optical isolation signal inputs, of which 2 are high-speed optocoupler isolation
- The current setting is convenient and can be freely selected between 0.3-2.5A. The factory default current is 1.5A (peak current)

机械安装图 Mechanical drawin



电流设定 Current Setting

Peak	RMS	SW1	SW2	SW3
Default[0.3A]		on	on	on
0.6A	0.4A	off	on	on
0.8A	0.6A	on	off	on
1.1A	0.8A	off	off	on
1.4A	1.0A	on	on	off
1.7A	1.2A	off	on	off
2.1A	1.5A	on	off	off
2.5A	1.8A	off	off	off



ECC580

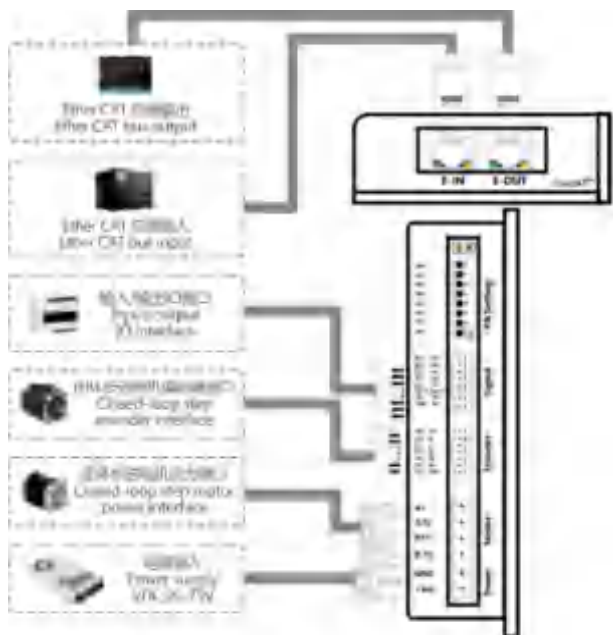
Ether-CAT 总线步进电机驱动器
Ether-CAT Bus Stepper Motor Driver



电气参数 Electrical parameter

参数 Parameters	最小值 Minimum value	典型值 Typical value	最大值 Maximum value	单位 Unit
连续输出电流 Output	0.5	-	8.0	A
电源电压 (直流) Power Supply Voltage(DC)	15	24/36/48	50	VDC
逻辑输入电流 Logic input current	6	10	16	mA
逻辑输入电压 Logic input voltage	4.5	5	28	VDC
Ether-CAT 通讯频率 Ether-CAT frequency	-	100	-	KHz

产品配置图 Product configuration diagram



产品特点 Product characteristics

- 通讯频率 100MHz
- 带串口设置和调试功能
- 参数上电自动整定功能
- 变电流控制使电机发热大为降低
- 上电自动匹配电机
- 可驱动多种闭环步进电机，例如 28，42，57，60，86 等机座闭环步进系列电机
- 5 路光隔离信号输入，其中 2 路为高速光耦隔离
- 电流可在 0.5-8A 之间随负载变化而变换
- Communication frequency 100MHz
- Equipped with serial port setting and debugging functions
- 3-channel optocoupler isolated OC output
- Automatic parameter setting function when powered on
- Variable current control greatly reduces motor heating
- Automatic matching motor when powered on
- Can drive multiple closed-loop stepper motors, such as 28, 42, 57, 60, 86 and other machine base closed-loop stepper series motors.
- 5-way optical isolation signal input, of which 2 are high-speed optocoupler isolation
- The current can vary with the load between 0.5-8A

机械安装图 Mechanical drawin



电流设定 Current Setting

Peak	RMS	SW1	SW2	SW3
Default[0.3A]		on	on	on
0.6A	0.4A	off	on	on
0.8A	0.6A	on	off	on
1.1A	0.8A	off	off	on
1.4A	1.0A	on	on	off
1.7A	1.2A	off	on	off
2.1A	1.5A	on	off	off
2.5A	1.8A	off	off	off

DM2545

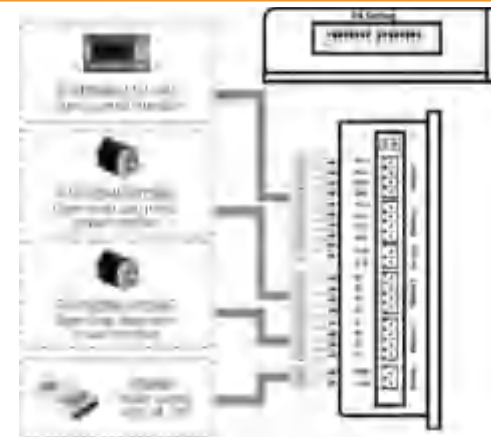
二合一开环步进驱动器
TWO AXIS open-loop stepper driver



电气参数 Electrical parameter

参数 Parameters	最小值 Minimum value	典型值 Typical value	最大值 Maximum value	单位 Unit
连续输出电流 Output	0.7	-	5.2	A
电源电压 (直流) Power Supply Voltage(DC)	24	24/36	50	VDC
逻辑输入电流 Logic input current	6	10	16	mA
逻辑输入电压 Logic input voltage	5	5	28	VDC
步进通讯频率 Step frequency	0	-	200	KHz

产品配置图 Product configuration diagram



功能设置 Function setting

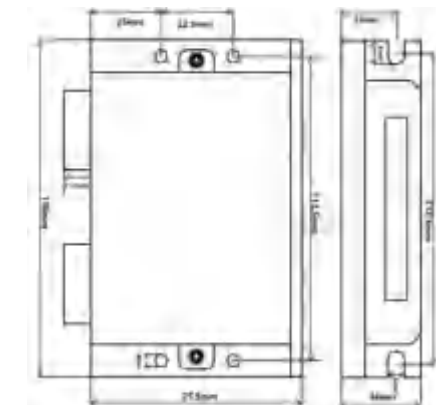
SW13:Edge sel,off=Fall(下降沿有效 /Falling Edge is valid);on=Rise(上升沿 /Rising Edge)
SW14:S-Filter,off=4ms(高响应);on=10ms(低振动)

Mode sel	SW1	SW16
IO 内部自发脉冲 IO internal spontaneous pulse	on	on
自测检查 Self-test check	on	off
双脉冲 CW/CCW	off	on
脉冲 + 方向 PLU+DIR	off	off

产品特点 Product characteristics

- 全新 32 位 DSP 技术
- 超低振动噪声
- 参数上电自动整定功能
- 变电流控制使电机发热大为降低
- 光隔离差分信号输入
- 脉冲响应频率最高可达 500KHz(出厂默认 200KHz)
- 矢量变电流技术，可在 0.7-5.2A 之间给定
- 细分设定范围为 200-51200，更高细分可定制
- 信号接口电平为 5V 和 24V 电平兼容，无需串联限流电阻
- 具有过压、欠压、过流等保护功能
- New 32-bit DSP technology
- Ultra low vibration noise
- Automatic parameter setting function when powered on
- Variable current control greatly reduces motor heating
- Optical isolation differential signal input
- The maximum pulse response frequency can reach 500KHz (factory default 200KHz)
- Vector current conversion technology, which can be given between 0.7-5.2A
- The subdivision setting range is 200-51200, and higher subdivisions can be customized
- The signal interface level is compatible with 5V and 24V levels, without the need for a series current limiting resistor
- It has protection functions such as overvoltage, undervoltage, overcurrent, etc

机械安装图 Mechanical drawin



电机电流和细分设置 Motor current and subdivision Settings

驱动器一设定电流表 Motor1 Current Table (Peak=RMS×1.4)					
Peak	RMS	SW1	SW2	SW3	SW4 为半流功能，当 SW4= off 时，为半流设定，当 SW4= on 时，电流静止状态为全流锁轴。 SW4 is a half-current function, when SW4 = off, for half-current settings, when SW4 = on, current static state for full-current lock axis.
1.00A	0.70A	on	on	on	
1.46A	1.00A	off	on	on	
2.20A	1.57A	on	off	on	
2.70A	1.93A	off	off	on	
3.50A	2.50A	on	on	off	
4.00A	2.85A	off	on	off	
4.50A	3.21A	on	off	off	
5.20A	3.71A	off	off	off	
驱动器二设定电流表 Motor2 Current Table (Peak=RMS×1.4)					
Peak	RMS	SW5	SW6	SW7	SW8 为半流功能，当 SW8= off 时，为半流设定，当 SW8 =on 时，电流静止状态为全流锁轴。 SW8 is a half-current function, when SW8 = off, for half-current settings, when SW8 = on, current static state for full-current Lock Axis.
1.00A	0.70A	on	on	on	
1.46A	1.00A	off	on	on	
2.20A	1.57A	on	off	on	
2.70A	1.93A	off	off	on	
3.50A	2.50A	on	on	off	
4.00A	2.85A	off	on	off	
4.50A	3.21A	on	off	off	
5.20A	3.71A	off	off	off	
驱动器一和驱动器二共用拨码设定细分和自发电脉冲的速度 Motor1/2 Pulse/red and IO Table					
Pulse/rev	SW9	SW10	SW11	SW12	IO/RPM
200	on	on	on	on	10
400	off	on	on	on	20
800	on	off	on	on	30
1600	off	off	on	on	40
3200	on	on	off	on	50
6400	off	on	off	on	60
12800	on	off	off	on	80
25600	off	off	off	on	100
1000	on	on	on	off	120
2000	off	on	on	off	150
4000	on	off	on	off	200
5000	off	off	on	off	250
8000	on	on	off	off	300
10000	off	on	off	off	350
20000	on	off	off	off	450
25000	off	off	off	off	600



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DM3545

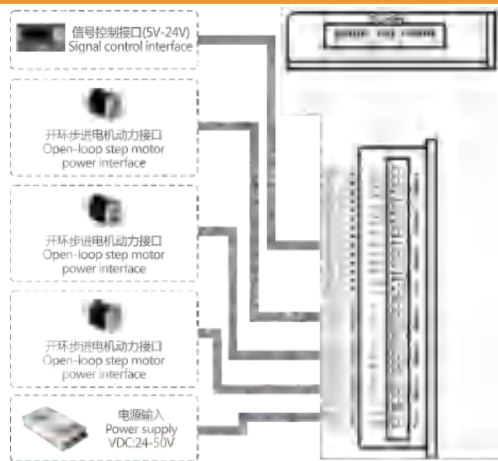
三合一开环步进驱动器
THREE AXIS open-loop stepper driver



电气参数 Electrical parameter

参数 Parameters	最小值 Minimum value	典型值 Typical value	最大值 Maximum value	单位 Unit
连续输出电流 Output	0.7	-	5.2	A
电源电压 (直流) Power Supply Voltage(DC)	24	24/36	50	VDC
逻辑输入电流 Logic input current	6	10	16	mA
逻辑输入电压 Logic input voltage	5	5	28	VDC
步进通讯频率 Step frequency	0	-	200	KHz

产品配置图 Porduct configuration diagram



功能设置 Function setting

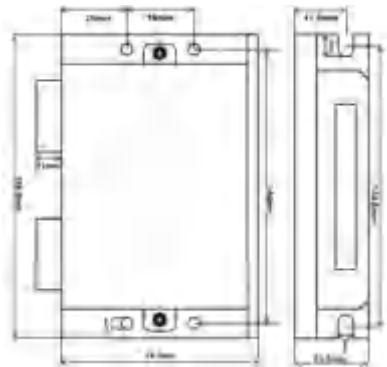
SW17:Edgesel,off=Fall(下降沿有效/Falling Edge is valid);on=Rise(上升沿/Rising Edge)
SW18:S-Filter,off=4ms(高响应);on=10ms(低振动)

Mode sel	SW19	SW20
IO 内部自发脉冲 IO internal spontaneous pulse	on	on
自测检查 Self-test check	on	off
双脉冲 CW/CCW	off	on
脉冲 + 方向 PLU + DIR	off	off

产品特点 Porduct characteristics

- 全新 32 位 DSP 技术
- 超低振动噪声
- 参数上电自动识别电机参数功能
- 变电流控制使电机发热大为降低, 静止时电流自动减半
- 光电隔离差分信号输入
- 脉冲响应频率最高可达 500KHz(出厂默认 200KHz)
- 矢量变电流技术, 可在 0.7-5.2A 之间设定
- 细分设定范围为 200-51200, 更高细分可定制
- 信号接口电平为 5V 和 24V 电平兼容, 无需串联限流电阻
- 具有过压、欠压、过流等保护功能
- New 32-bit DSP technology
- Ultra low vibration noise
- Automatic recognition of motor parameters when powered on
- Variable current control greatly reduces motor heating and automatically halves current when stationary
- Optoelectronic isolation differential signal input
- The maximum pulse response frequency can reach 500KHz (factory default 200KHz)
- Vector current conversion technology, which can be set between 0.7-5.2A
- The subdivision setting range is 200-51200, and higher subdivisions can be customized
- The signal interface level is compatible with 5V and 24V levels, without the need for a series current limiting resistor
- It has protection functions such as overvoltage, undervoltage, overcurrent, etc

机械安装图 Mechanical drawin



电机电流和细分设置 Motor current and subdivision Settings

Peak	RMS	SW1	SW2	SW3	
1.00A	0.70A	on	on	on	SW4 为半流功能, 当 SW4= off 时, 为半流设定, 当 SW4= on 时, 电流静止状态为全流 锁轴。 SW4 is a half-current function, when SW4 = off, for half-current settings, when SW4 = on, current static state for full-current lock axis.
1.46A	1.00A	off	on	on	
2.20A	1.57A	on	off	on	
2.70A	1.93A	off	off	on	
3.50A	2.50A	on	on	off	
4.00A	2.85A	off	on	off	
4.50A	3.21A	on	off	off	
5.20A	3.71A	off	off	off	

Peak	RMS	SW5	SW6	SW7	
1.00A	0.70A	on	on	on	SW8 为半流功能, 当 SW8= off 时, 为半流设定, 当 SW8 =on 时, 电流静止状态为全流 锁轴。 SW8 is a half-current function, when SW8 = off, for half-current settings, when SW8 = on, current static state for full-current Lock Axis.
1.46A	1.00A	off	on	on	
2.20A	1.57A	on	off	on	
2.70A	1.93A	off	off	on	
3.50A	2.50A	on	on	off	
4.00A	2.85A	off	on	off	
4.50A	3.21A	on	off	off	
5.20A	3.71A	off	off	off	

Peak	RMS	SW5	SW6	SW7	
1.00A	0.70A	on	on	on	SW12 为半流功能, 当 SW12= off 时, 为半流设定, 当 SW12= on 时, 电流静止状态为全流 锁轴。 SW12 is a half-current function, when SW12 = off, for half-current settings, when SW12 = on, current static state for full-current Lock Axis.
1.46A	1.00A	off	on	on	
2.20A	1.57A	on	off	on	
2.70A	1.93A	off	off	on	
3.50A	2.50A	on	on	off	
4.00A	2.85A	off	on	off	
4.50A	3.21A	on	off	off	
5.20A	3.71A	off	off	off	

驱动器一和驱动器二共用拔码设定细分和自发电脉冲的速度 Motor1/2 Pulse/red and IO Table					
Pulse/rev	SW13	SW14	SW15	SW16	IO/RPM
200	on	on	on	on	10
400	off	on	on	on	20
800	on	off	on	on	30
1600	off	off	on	on	40
3200	on	on	off	on	50
6400	off	on	off	on	60
12800	on	off	off	on	80
25600	off	off	off	on	100
1000	on	on	on	off	120
2000	off	on	on	off	150
4000	on	off	on	off	200
5000	off	off	on	off	250
8000	on	on	off	off	300
10000	off	on	off	off	350
20000	on	off	off	off	450
25000	off	off	off	off	600

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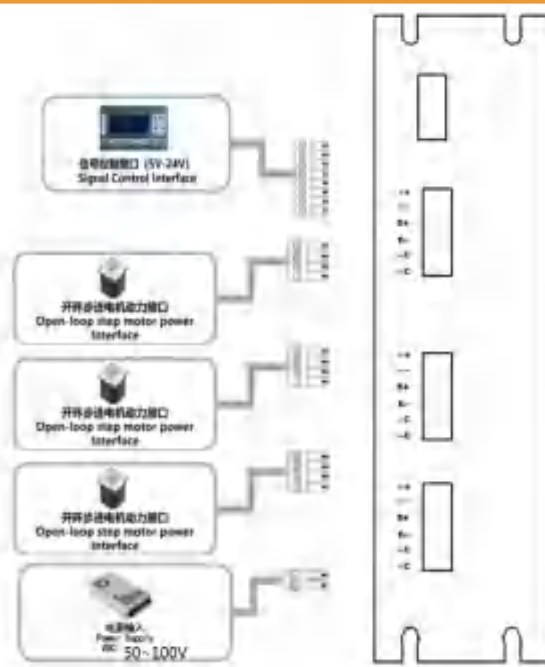
三合一开环步进驱动器
THREE AXIS open-loop stepper driver



电气参数 Electrical parameter

参数 Parameters	最小值 Minimum value	典型值 Typical value	最大值 Maximum value	单位 Unit
连续输出电流 Output	2.2	-	6.0	A
电源电压 (直流) Power Supply Voltage(DC)	24	24/36	50	VDC
逻辑输入电流 Logic input current	6	10	16	mA
逻辑输入电压 Logic input voltage	5	5	24	VDC
步进通讯频率 Step frequency	0	-	200	KHz

产品配置图 Porduct configuration diagram



产品特点 Porduct characteristics

- 255 档步数选择, 可适应不同传动轴比
- 单双脉冲两种信号模式
- 16 档输出电流选择
- 11 档锁定电流百分比
- 关机时自动断电记忆
- 自动运行功能
- 完善的保护机制
- 优异的平稳性, 低速静音效果, 极低发热量
- 255 step selection, which can adapt to different transmission shaft ratios
- Single and dual pulse signal modes
- 16 level output current selection
- Percentage of locked current in 11th gear
- Automatic power-off memory when shutting down
- Automatic operation function
- Comprehensive protection mechanism
- Excellent smoothness, low-speed silent effect, extremely low heat generation

机械安装图 Mechanical drawin



电流设定表 Current setting table

swB1-4	电流 /A	swB1-4	电流 /A	swB1-4	电流 /A	swB1-4	电流 /A
0000	2.2A	0100	3.2A	1000	4.2A	1100	5.2A
0001	2.5A	0101	3.5A	1001	4.5A	1101	5.5A
0010	2.8A	0110	3.8A	1010	4.8A	1110	5.8A
0011	3.0A	0111	4.0A	1011	5.0A	1111	6.0A

电流设定表 Current setting table

swB1-4	步数 step number	swB1-4	步数 step number	swB1-4	步数 step number	swB1-4	步数 step number
0000	存储的步数 Number of stored steps	0100	2000	1000	6400	1100	20000
0001	800	0101	3200	1001	8000	1101	25600
0010	1000	0110	4000	1010	10000	1110	40000
0011	1600	0111	5000	1011	12800	1111	进入设定操作 Enter the setting operation

功能设置 Function setting

SW17:Edgesel,off=Fall(下降沿有效/Falling Edge is valid);on=Rise(上升沿/Rising Edge)
SW18:S-Filter,off=4ms(高响应);on=10ms(低振动)

Mode sel	SW19	SW20
IO 内部自发脉冲 IO internal spontaneous pulse	on	on
自测检查 Self-test check	on	off
双脉冲 CW/CCW	off	on
脉冲 + 方向 PLU + DIR	off	off



DM4545

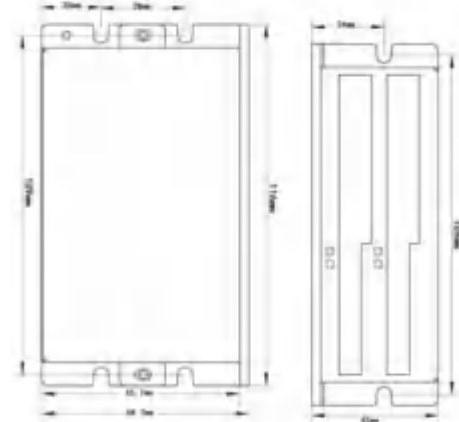
四合一开环步进驱动器
FOUR AXIS open-loop stepper driver



产品特点 Porduct characteristics

- 全新 32 位 DSP 技术
- 超低振动噪声
- 参数上电自动识别电机参数功能
- 变电流控制使电机发热大为降低，静止时电流自动减半
- 光电隔离差分信号输入
- 脉冲响应频率最高可达 500KHz(出厂默认 200KHz)
- 矢量变电流技术，可在 0.7-5.2A 之间设定
- 细分设定范围为 200-51200，更高细分可定制
- 信号接口电平为 5V 和 24V 电平兼容，无需串联限流电阻
- 具有过压、欠压、过流等保护功能
- New 32-bit DSP technology
- Ultra low vibration noise
- Automatic recognition of motor parameters when powered on
- Variable current control greatly reduces motor heating and automatically halves current at rest
- Optoelectronic isolation differential signal input
- The maximum pulse response frequency can reach 500KHz (factory default 200KHz)
- Vector current conversion technology, which can be set between 0.7-5.2A
- The subdivision setting range is 200-51200, and higher subdivisions can be customized
- The signal interface level is compatible with 5V and 24V levels, without the need for a series current limiting resistor
- It has protection functions such as overvoltage, undervoltage, overcurrent, etc

机械安装图 Mechanical drawin



电气参数 Electrical parameter

参数 Parameters	最小值 Minimum value	典型值 Typical value	最大值 Maximum value	单位 Unit
连续输出电流 Output	0.7	-	5.2	A
电源电压 (直流) Power Supply Voltage(DC)	24	24/36	50	VDC
逻辑输入电流 Logic input current	6	10	16	mA
逻辑输入电压 Logic input voltage	5	5	24	VDC
步进通讯频率 Step frequency	0	-	200	KHz

产品配置图 Porduct configuration diagram



功能设置 Function setting

SW13:Edge sel,off=Fall(下降沿有效/Falling Edge is valid);on=Rise(上升沿/Rising Edge)
SW14:S-Filter,off=4ms(高响应);on=10ms(低振动)

Mode sel	SW15	SW16
IO 内部自发脉冲 IO internal spontaneous pulse	on	on
自测检查 Self-test check	on	off
双脉冲 CW/CCW	off	on
脉冲 + 方向 PLU+DIR	off	off

2802K

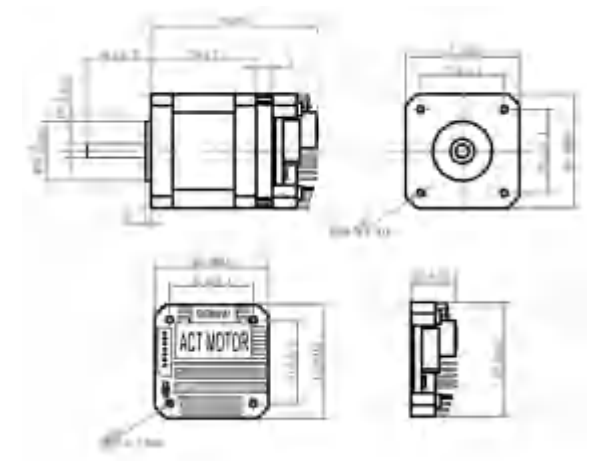
一体集成式脉冲开环步进驱动电机
Integrated Pulse open-loop stepper motor User's Manual



产品特点 Porduct characteristics

- 体积小
- 驱动能力强
- 定位准确，无丢步
- 低速运行平稳，震动小
- 输入信号光电隔离
- 全铝合金铸件，坚固耐用，散热性能好
- Small size
- Strong driving ability
- Accurate positioning without missing steps
- Smooth low-speed operation with minimal vibration
- Input signal photoelectric isolation
- All aluminum alloy castings, sturdy and durable, with good heat dissipation performance

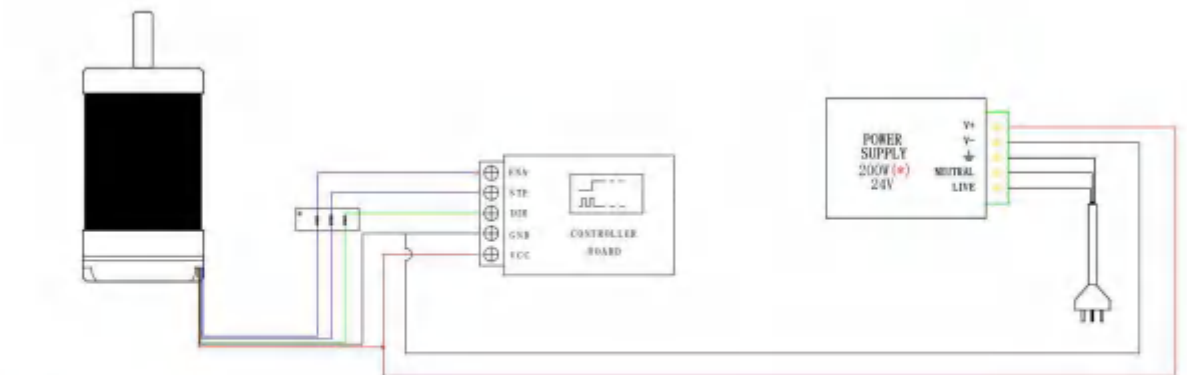
机械安装图 Mechanical drawin



电气参数 Electrical parameter

参数 Parameters	最小值 Minimum value	典型值 Typical value	最大值 Maximum value	单位 Unit
连续输出电流 Output	0.5	-	2.2	A
电源电压 (直流) Power Supply Voltage(DC)	15	24	32	VDC
逻辑输入电流 Logic input current	6	10	16	mA
逻辑输入电压 Logic input voltage	-	5	-	VDC
步进通讯频率 Step frequency	0	-	200	KHz

产品配置图 Porduct configuration diagram



NOTE: 不需要使能信号时，使能信号口悬空即可
当控制信号高电平为3.3~5V，使用导线直接连接，不需要串电阻
12V，请串1K电阻 (≥1/8W)
24V，请串2K电阻 (≥1/4W)



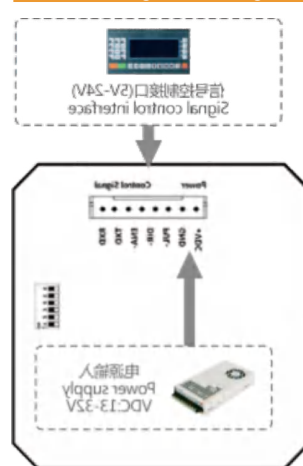
IO42 一体集成式脉冲开环步进电机 Integrated Pulse open-loop stepper motor User's Manual



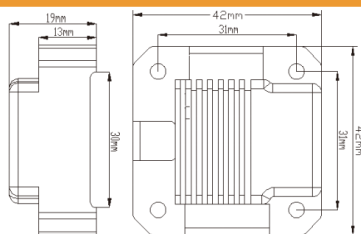
电气参数 Electrical parameter

参数 Parameters	最小值 Minimum value	典型值 Typical value	最大值 Maximum value	单位 Unit
连续输出电流 Output	0.5	-	2.2	A
电源电压 (直流) Power Supply Voltage(DC)	15	24	32	VDC
逻辑输入电流 Logic input current	6	10	16	mA
逻辑输入电压 Logic input voltage	-	5	-	VDC
步进通讯频率 Step frequency	0	-	200	KHz

产品配置图 Product configuration diagram



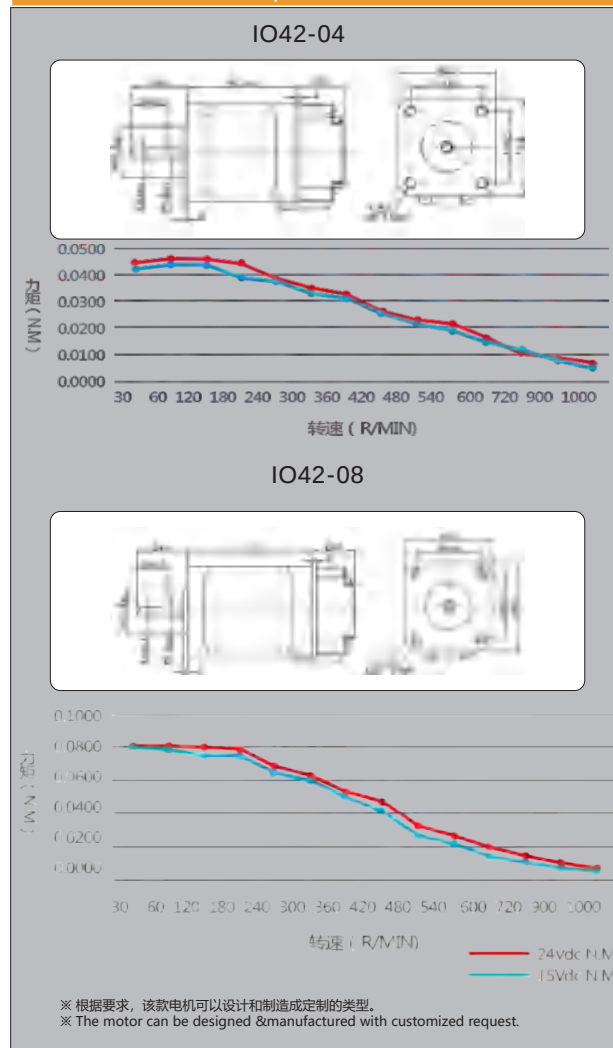
机械安装图 Mechanical drawin



产品特点 Product characteristics

- 全新 32 位 DSP 技术
- 低振动, 低噪声, 运行平稳
- 内置高分辨率平滑滤波功能
- 参数上电自动匹配电机功能
- 变电流控制使电机发热大为降低
- 静止时电流自动减半
- 可驱动 4, 6, 8 线两相步进电机
- 光电隔离单端信号输入 (脉冲, 方向, 使能)
- 脉冲响应频率最高可达 500KHz (出厂默认 200KHz)
- 电流设定方便, 可在 0.5-2.2A 之间任意选择
- 细分设定范围为 200-51200, 更高细分可定制
- 具有过压、欠压、过流等保护功能
- New 32-bit DSP technology
- Low vibration, low noise, smooth operation
- Built in high segmentation and smooth filtering functions
- Parameter power on automatic matching motor function
- Variable current control greatly reduces motor heating
- Automatic halving of current at rest
- Can drive 4, 6, and 8-wire two-phase stepper motors
- Optoelectronic isolation single ended signal input (pulse, direction, and enable)
- The maximum pulse response frequency can reach 500KHz (factory default 200KHz)
- Convenient current setting, can be freely selected between 0.5-2.2A
- The subdivision setting range is 200-51200, and higher subdivisions can be customized
- It has protection functions such as overvoltage, undervoltage, overcurrent, etc

矩频曲线 Pull out torque curve



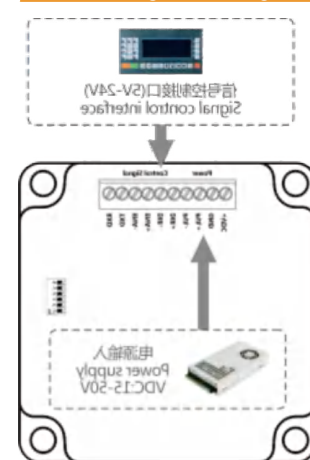
IO57 一体集成式脉冲开环步进电机 Integrated Pulse open-loop stepper motor User's Manual



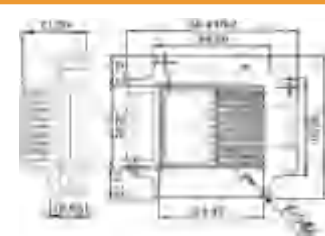
电气参数 Electrical parameter

参数 Parameters	最小值 Minimum value	典型值 Typical value	最大值 Maximum value	单位 Unit
连续输出电流 Output	1.0	-	5.6	A
电源电压 (直流) Power Supply Voltage(DC)	15	24/36	50	VDC
逻辑输入电流 Logic input current	6	10	16	mA
逻辑输入电压 Logic input voltage	-	5	-	VDC
步进脉冲频率 Step frequency	0	-	200	KHz

产品配置图 Product configuration diagram



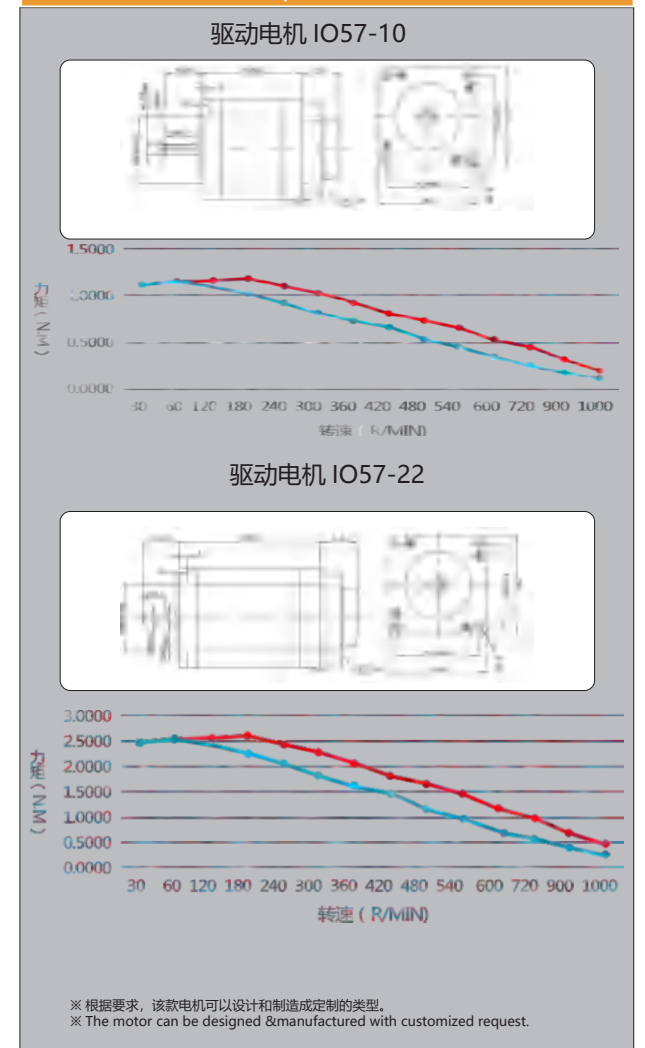
机械安装图 Mechanical drawin



产品特点 Product characteristics

- 全新 32 位 DSP 技术
- 低振动, 低噪声, 运行平稳
- 内置高分辨率平滑滤波功能
- 参数上电自动匹配电机功能
- 变电流控制使电机发热大为降低
- 静止时电流自动减半
- 可驱动 4, 6, 8 线两相步进电机
- 光电隔离单端信号输入 (脉冲, 方向, 使能)
- 脉冲响应频率最高可达 500KHz (出厂默认 200KHz)
- 电流设定方便, 可在 1.0-5.6A 之间任意选择
- 细分设定范围为 200-51200, 更高细分可定制
- 具有过压、欠压、过流等保护功能
- New 32-bit DSP technology
- Low vibration, low noise, smooth operation
- Built in high segmentation and smooth filtering functions
- Parameter power on automatic matching motor function
- Variable current control greatly reduces motor heating
- Automatic halving of current at rest
- Can drive 4, 6, and 8-wire two-phase stepper motors
- Optoelectronic isolation single ended signal input (pulse, direction, and enable)
- The maximum pulse response frequency can reach 500KHz (factory default 200KHz)
- Convenient current setting, can be freely selected between 1.0-5.6A
- The subdivision setting range is 200-51200, and higher subdivisions can be customized
- It has protection functions such as overvoltage, undervoltage, overcurrent, etc

矩频曲线 Pull out torque curve





IRO42

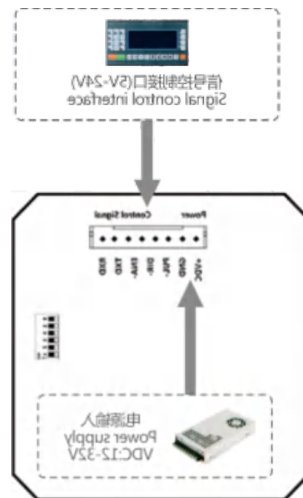
一体集成式 RS485 开环步进驱动电机
Integrated RS485 open-loop stepper drive motor



电气参数 Electrical parameter

参数 Parameters	最小值 Minimum value	典型值 Typical value	最大值 Maximum value	单位 Unit
连续输出电流 Output	0.1	-	2.2	A
电源电压 (直流) Power Supply Voltage(DC)	12	24	32	VDC
逻辑输入电流 Logic input current	6	10	16	mA
逻辑输入电压 Logic input voltage	-	5	-	VDC
通讯频率 Step frequency	1	-	1000	KHz

产品配置图 Product configuration diagram



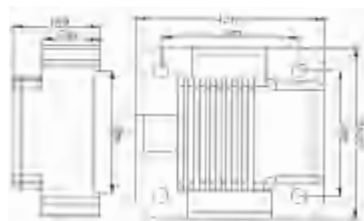
RS485 ID Table

ID	SW1	SW2	SW3	SW4
Reserved	on	on	on	on
1	off	on	on	on
2	on	off	on	on
3	off	off	on	on
4	on	on	off	on
5	off	on	off	on
6	on	off	off	on
7	off	off	off	on
8	on	on	on	off
9	off	on	on	off
10	on	off	on	off
11	off	off	on	off
12	on	on	off	off
13	off	on	off	off
14	on	off	off	off
15	off	off	off	off

RS485 Baud Rate Table

Baud Rate	SW5	SW6	SW6
9600	on	on	on
19200	off	on	on
38400	on	off	on
57600	off	off	on

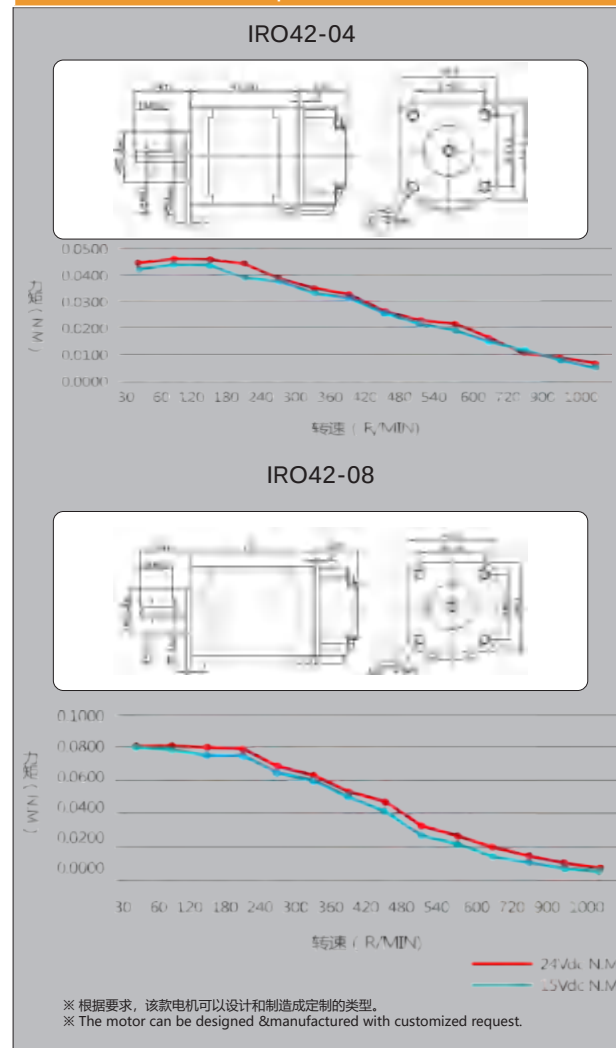
机械安装图 Mechanical drawin



产品特点 Product characteristics

- 全新 32 位 DSP 技术
- 低振动, 低噪声, 运行平稳
- 参数上电自动匹配电机功能
- 变电流控制使电机发热大为降低
- 静止时电流自动减半
- 具有过压、欠压、过流等保护功能
- 可驱动 4, 6, 8 线两相步进电机
- 光电隔离单端信号输入 (左限位, 回零, 右限位)
- 标准 Model DUS RS485 总线协议
- 电流设定方便, 可在 0.1-2.2A 之间任意选择
- 地址拨码设定范围为 1-16
- New 32-bit DSP technology
- Low vibration, low noise, smooth operation
- Parameter power on automatic matching motor function
- Variable current control greatly reduces motor heating
- Automatic halving of current at rest
- It has protection functions such as overvoltage, undervoltage, overcurrent, etc
- Can drive 4, 6, and 8-wire two-phase stepper motors
- Optoelectronic isolation single ended signal input (left limit, return to zero, right limit)
- Standard Model DUS RS485 bus protocol
- Convenient current setting, can be freely selected between 0.1-2.2A
- The range of address dialing settings is 1-16

矩频曲线 Pull out torque curve



IRO57

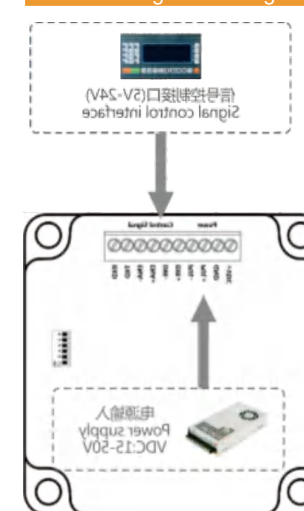
一体集成式 RS485 开环步进驱动电机
Integrated RS485 open-loop stepper drive motor



电气参数 Electrical parameter

参数 Parameters	最小值 Minimum value	典型值 Typical value	最大值 Maximum value	单位 Unit
连续输出电流 Output	0.5	-	5.6	A
电源电压 (直流) Power Supply Voltage(DC)	12	24/36	50	VDC
逻辑输入电流 Logic input current	6	10	16	mA
逻辑输入电压 Logic input voltage	-	5	-	VDC
通讯频率 Step frequency	1	-	1000	KHz

产品配置图 Product configuration diagram



RS485 ID Table

ID	SW1	SW2	SW3	SW4
Reserved	on	on	on	on
1	off	on	on	on
2	on	off	on	on
3	off	off	on	on
4	on	on	off	on
5	off	on	off	on
6	on	off	off	on
7	off	off	off	on
8	on	on	on	off
9	off	on	on	off
10	on	off	on	off
11	off	off	on	off
12	on	on	off	off
13	off	on	off	off
14	on	off	off	off
15	off	off	off	off

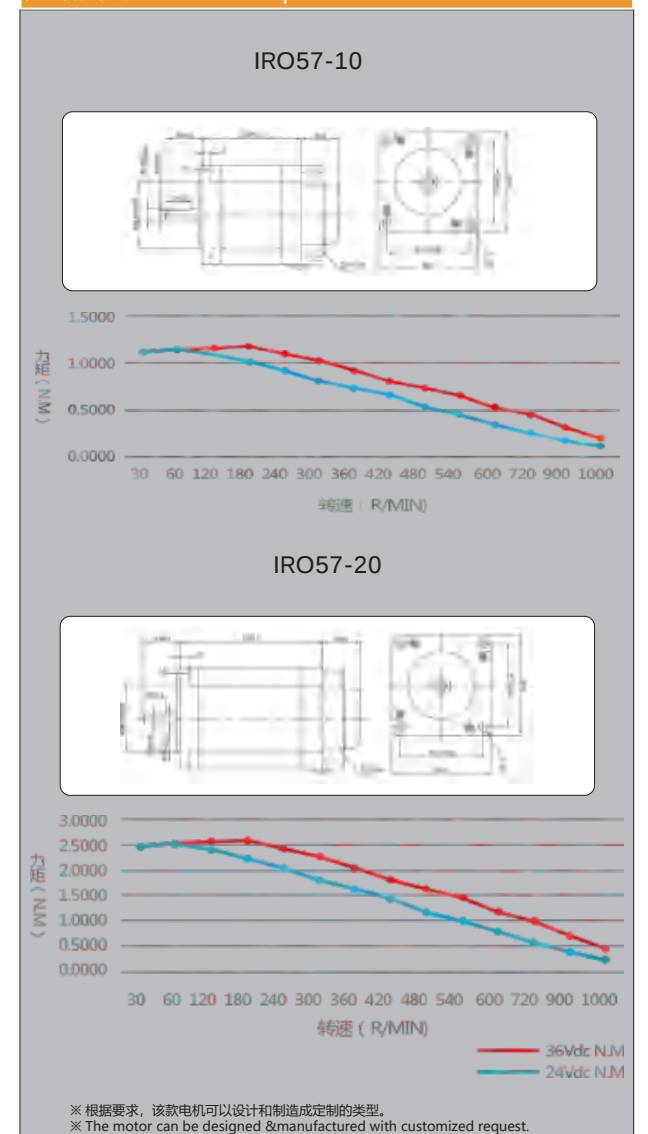
RS485 Baud Rate Table

Baud Rate	SW5	SW6
9600	on	on
19200	off	on
38400	on	off
57600	off	off

产品特点 Product characteristics

- 全新 32 位 DSP 技术
- 低振动, 低噪声, 运行平稳
- 参数上电自动匹配电机功能
- 变电流控制使电机发热大为降低
- 静止时电流自动减半
- 可驱动 4, 6, 8 线两相步进电机
- 光电隔离单端信号输入 (左限位, 回零, 右限位)
- 标准 Model DUS RS485 总线协议
- 电流设定方便, 可在 0.5-5.6A 之间任意选择
- 地址拨码设定范围为 1-16
- 具有过压、欠压、过流等保护功能
- New 32-bit DSP technology
- Low vibration, low noise, smooth operation
- Parameter power on automatic matching motor function
- Variable current control greatly reduces motor heating
- Automatic halving of current at rest
- Can drive 4, 6, and 8-wire two-phase stepper motors
- Optoelectronic isolation single ended signal input (left limit, return to zero, right limit)
- Standard Model DUS RS485 bus protocol
- Convenient current setting, can be freely selected between 0.5-5.6A
- The range of address dialing settings is 1-16
- It has protection functions such as overvoltage, undervoltage, overcurrent, etc

矩频曲线 Pull out torque curve





IC42N

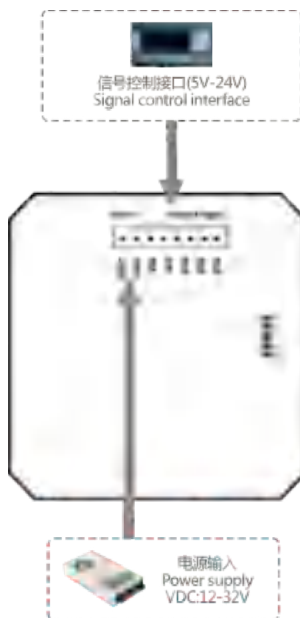
一体集成式脉冲闭环步进驱动电机
Integrated pulse closed-loop stepper drive motor



电气参数 Electrical parameter

参数 Parameters	最小值 Minimum value	典型值 Typical value	最大值 Maximum value	单位 Unit
连续输出电流 Output	0.3	1.5	2.5	A
电源电压 (直流) Power Supply Voltage(DC)	12	24	40	VDC
逻辑输入电流 Logic input current	6	10	16	mA
逻辑输入电压 Logic input voltage	-	5	-	VDC
通讯频率 Step frequency	0	-	200	KHz

产品配置图 Product configuration diagram



电机细分设置 Motor subdivision setting

Pulse/rew	SW1	SW2	SW3	SW4
Default	on	on	on	on
800	off	on	on	on
1600	on	off	on	on
3200	off	off	on	on
6400	on	on	off	on
12800	off	on	off	on
25600	on	off	off	on
51200	off	off	off	on
1000	on	on	on	off
2000	off	on	on	off
4000	on	off	on	off
5000	off	off	on	off
8000	on	on	off	off
10000	off	on	off	off
20000	on	off	off	off
40000	off	off	off	off

功能设置 Function setting

电机初始方向设置 Initial orientation of motor

Direction	SW5	Remark
CCW	on	逆时针 Counterclockwise
CW	off	顺时针 Clockwise

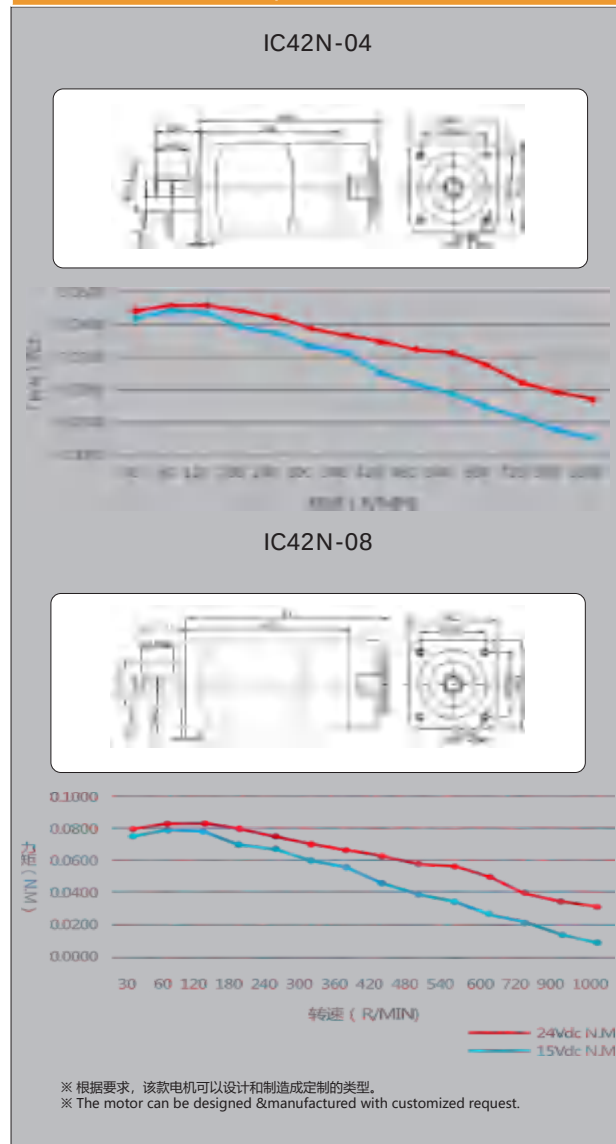
驱动控制模式设定 Drive control mode setting

Drivecontrolmode	SW6	Remark
FOC	off	矢量闭环控制 (丝杆转动) Vector closed-loop control (screw rotation)
PM	on	功率角闭环控制 (皮带转动) Power Angle closed loop control (belt rotation)

产品特点 Product characteristics

- 全新 32 位 DSP 技术
- 低振动, 低噪声, 运行平稳
- 内置高分辨率平滑滤波功能
- 参数上电自动匹配电机功能
- 变电流控制使电机发热大为降低
- 静止时电流自动减半
- 可驱动 42 闭环两相步进电机
- 光电隔离单端信号输入 (脉冲, 方向和使能)
- 脉冲响应频率最高可达 500KHz (出厂默认 200KHz)
- 电流随负载闭环而闭环
- 细分设定范围为 200-51200, 更高细分可定制
- 具有过压、欠压、过流等保护功能
- New 32-bit DSP technology
- Low vibration, low noise, smooth operation
- Built in high segmentation and smooth filtering functions
- Parameter power on automatic matching motor function
- Variable current control greatly reduces motor heating
- Automatic halving of current at rest
- Can drive 42 closed-loop two-phase stepper motors
- Optoelectronic isolation single ended signal input (pulse, direction, and enable)
- The maximum pulse response frequency can reach 500KHz (factory default 200KHz)
- The current is closed-loop with the load
- The subdivision setting range is 200-51200, and higher subdivisions can be customized
- It has protection functions such as overvoltage, undervoltage, overcurrent, etc

矩频曲线 Pull out torque curve



IC57N

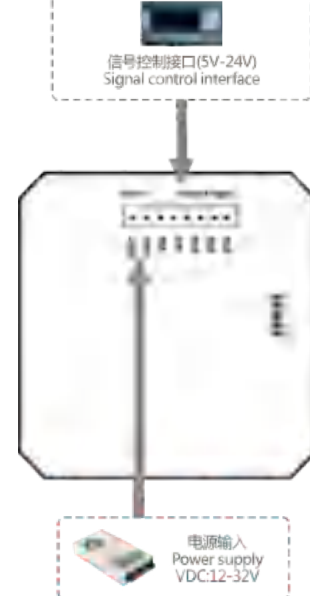
一体集成式脉冲闭环步进驱动电机
Integrated pulse closed-loop stepper drive motor



电气参数 Electrical parameter

参数 Parameters	最小值 Minimum value	典型值 Typical value	最大值 Maximum value	单位 Unit
连续输出电流 Output	0.7	1.5	5.6	A
电源电压 (直流) Power Supply Voltage(DC)	15	24	50	VDC
逻辑输入电流 Logic input current	6	10	16	mA
逻辑输入电压 Logic input voltage	-	5	-	VDC
通讯频率 Step frequency	0	-	200	KHz

产品配置图 Product configuration diagram



电机细分设置 Motor subdivision setting

Pulse/rew	SW1	SW2	SW3	SW4
Default	on	on	on	on
800	off	on	on	on
1600	on	off	on	on
3200	off	off	on	on
6400	on	on	off	on
12800	off	on	off	on
25600	on	off	off	on
51200	off	off	off	on
1000	on	on	on	off
2000	off	on	on	off
4000	on	off	on	off
5000	off	off	on	off
8000	on	on	off	off
10000	off	on	off	off
20000	on	off	off	off
40000	off	off	off	off

功能设置 Function setting

电机初始方向设置 Initial orientation of motor

Direction	SW5	Remark
CCW	on	逆时针 Counterclockwise
CW	off	顺时针 Clockwise

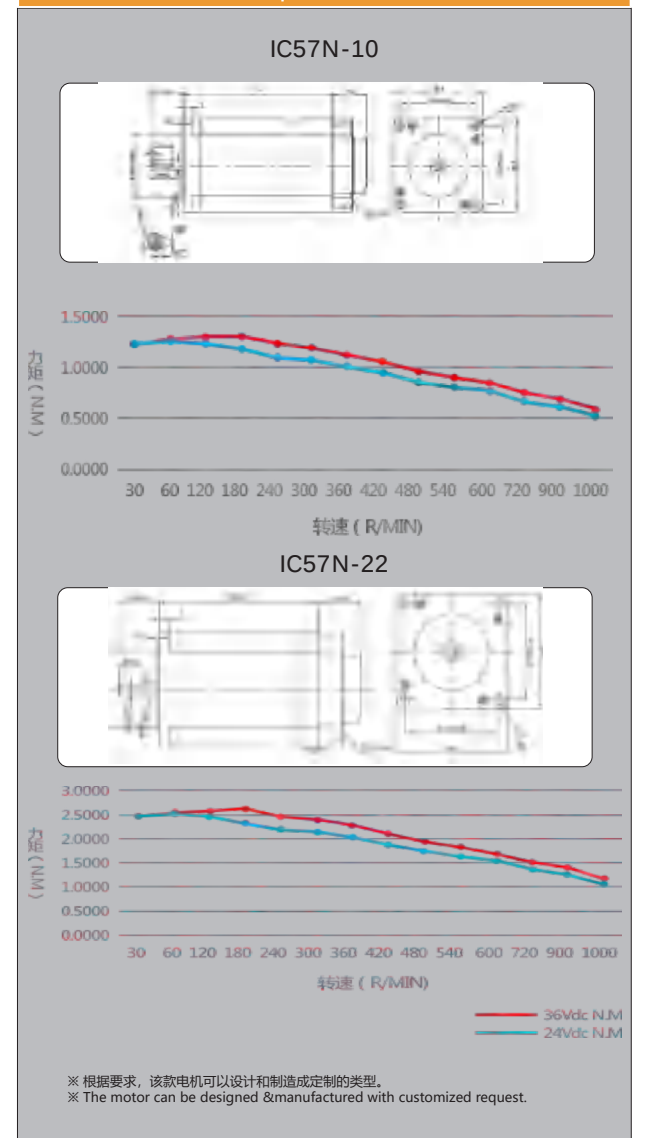
驱动控制模式设定 Drive control mode setting

Drivecontrolmode	SW6	Remark
FOC	off	矢量闭环控制 (丝杆转动) Vector closed-loop control (screw rotation)
PM	on	功率角闭环控制 (皮带转动) Power Angle closed loop control (belt rotation)

产品特点 Product characteristics

- 工作电压: 直流输入电压 15VDC ~ 50VDC, 推荐工作电压 36V
- 连续输出电流最大值 8A(先进的步进伺服过载能力)
- 可接受差分 and 单端式脉冲 / 方向指令, 具有位置 / 速度 / 力矩三种控制模式
- 采用 FOC 磁场定位技术和空间矢量脉宽调制 (SVPWM) 闭环控制技术
- 采用了先进的变电流技术和变频技术, 有效的降低了电机和驱动器的发热
- 每圈脉冲数可通过调试软件或拨码设定 (细分)
- 具有过压、欠压、过流和超差等保护功能
- 单 / 双脉冲模式, 脉冲有效沿可选
- 控制指令最大脉冲频率为 500KHz (出厂默认 200KHz)
- 脉冲, 方向和使能信号输入接口电平为 5V
- 具有串口 RS232 调试功能, 但需使用本公司专用的串口调试线缆
- 性能: 速度平稳, 超调小, 跟踪误差小, 电机和驱动器低发热
- Working voltage: DC input voltage 15VDC~ 50VDC, recommended working voltage 36V
- Maximum continuous output current of 8A (advanced stepper servo overload capability)
- Acceptable differential and single ended pulse/direction commands, with three control modes: position/speed/torque
- Adopting FOC magnetic field positioning control technology and space vector pulse width modulation (SVPWM) closed-loop control technology
- Advanced variable current technology and frequency conversion technology have been adopted, effectively reducing the heating of motors and drivers
- The number of pulses per cycle can be set (subdivided) through debugging software or by unplugging the code
- It has protection functions such as overvoltage, undervoltage, overcurrent, and over tolerance
- Single/dual pulse mode, pulse effective edge optional
- The maximum pulse frequency of the control command is 500KHz (factory default is 200KHz)
- Pulse, direction, and enable signal input interface level is 5V
- Equipped with serial port RS232 debugging function, but requires the use of our company's dedicated serial port debugging cable
- Performance: Stable speed, small overshoot, small tracking error, low heating of motor and driver

矩频曲线 Pull out torque curve





常州安科特电机有限公司
CHANGZHOU ACT MOTOR CO.,LTD

www.act-motor.cn
www.act-motor.com

IRC42N

RS485 总线控制一体集成式磁编闭环步进驱动器
RS485 bus control integrated magnetic encoder closed-loop stepper driver

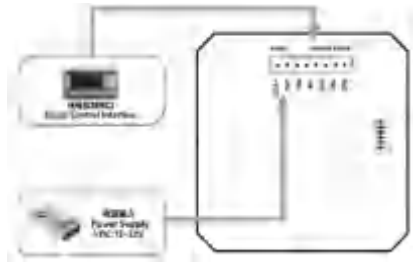


电气参数 Electrical parameter

参数 Parameters	最小值 Minimum value	典型值 Typical value	最大值 Maximum value	单位 Unit
连续输出电流 Output	0.3	1.5	2.5	A
电源电压 (直流) Power Supply Voltage(DC)	12	24	40	VDC
逻辑输入电流 Logic input current	6	10	16	mA
逻辑输入电压 Logic input voltage	-	5	-	VDC
RS485 通讯频率 Step frequency	0	-	200	KHz

产品配置图

Porduct configuration diagram



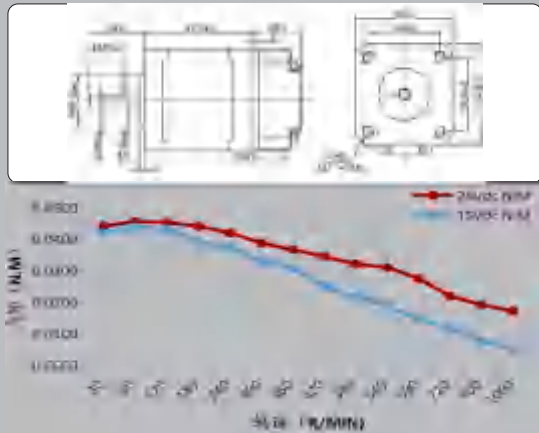
电机细分设置 Motor subdivision setting					RS485 波特率设置 RS485 baud rate setting		
Pulse/rew Reserved (广播地址)	SW1	SW2	SW3	SW4	Baud Rate	SW5	SW6
Reserved (广播地址)	on	on	on	on	9600	on	on
1	off	on	on	on	19200	off	on
2	on	off	on	on	38400	on	off
3	off	off	on	on	57600	off	off
4	on	on	off	on			
5	off	on	off	on			
6	on	off	off	on			
7	off	off	off	on			
8	on	on	on	off			
9	off	on	on	off			
10	on	on	on	off			
11	off	off	on	off			
12	on	on	off	off			
13	off	on	off	off			
14	on	off	off	off			
15	off	off	off	off			

产品特点 Porduct characteristics

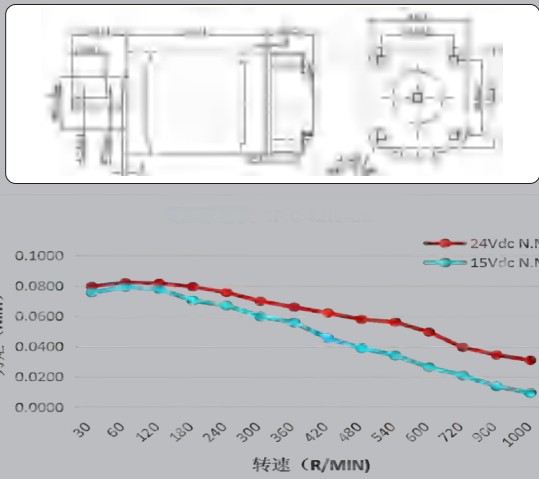
- 全新 32 位 DSP 技术, 低振动, 低噪声, 运行平稳
- RS485 总线控制, 采用通讯全隔离模块电气方案设计, 每个驱动器与驱动器之间, 驱动器与控制器之间, 通讯电信号, 电气连接独立控制, 互不干扰。
- 平滑滤波功能, 参数上电自动匹配电机功能
- 变电流控制使电机发热大为降低, 静止时电流自动减半
- 左限位, 右限位采用光电隔离单端信号共阳极 5V 输入, 如果是 24V, 需要在左限位和右限位分 别串联一个 2K Ω /1W 的电阻
- 标准 Model BUS RS485 总线协议, 地址拨码设定范围为 1-16
- 电源输入在驱动器内部具有正负极防反接功能, 电源即使正负极接反, 也不会损坏驱动器, 具有 过压、欠压、过流、闭环跟踪误差报警等保护功能
- 电机编码器可以用磁编, 也可以用光编, 编码器线数出厂默认为 1000 线, 内部 4 倍频
- New 32-bit DSP technology, low vibration, low noise, smooth operation
- RS485 bus control, designed with a fully isolated communication module electrical scheme, allows for independent control of communication signals and electrical connections between each driver and between drivers and controllers, without interference.
- Smooth filtering function, automatic matching of motor parameters when powered on
- Variable current control greatly reduces motor heating and automatically halves current when stationary
- The left and right limit positions use a photoelectric isolated single ended signal with a common anode 5V input. If it is 24V, a 2K Ω /1W resistor needs to be connected in series with the left and right limit positions respectively
- Standard Model BUS RS485 bus protocol, with an address dialing range of 1-16
- The power input inside the driver has a positive and negative pole anti reverse connection function. Even if the positive and negative poles of the power supply are reversed, it will not damage the driver. It has protection functions such as overvoltage, undervoltage, overcurrent, closed-loop tracking error alarm, etc
- The motor encoder can be magnetic encoder or optical encoder. The default number of encoder wires is 1000 at the factory, and the internal frequency is 4 times

矩频曲线 Pull out torque curve

驱动电机 IRC42N-04



驱动电机 IRC42N-08



※ 根据要求, 该款电机可以设计和制造成定制的类型。
※ The motor can be designed &manufactured with customized request.

IRC57N

RS485 总线控制一体集成式磁编闭环步进驱动器
RS485 bus control integrated magnetic encoder closed-loop stepper driver

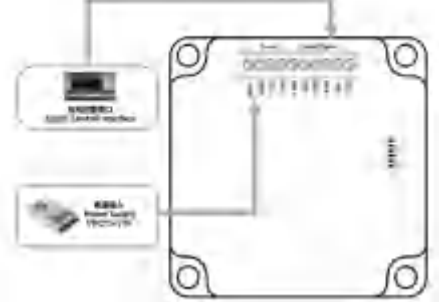


电气参数 Electrical parameter

参数 Parameters	最小值 Minimum value	典型值 Typical value	最大值 Maximum value	单位 Unit
连续输出电流 Output	0.7	4	6.0	A
电源电压 (直流) Power Supply Voltage(DC)	15	24	50	VDC
逻辑输入电流 Logic input current	6	10	16	mA
逻辑输入电压 Logic input voltage	-	5	-	VDC
RS485 通讯频率 Step frequency	0	-	200	KHz

产品配置图

Porduct configuration diagram



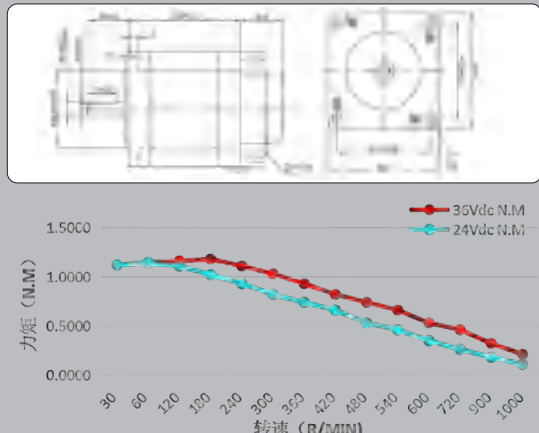
电机细分设置 Motor subdivision setting					RS485 波特率设置 RS485 baud rate setting		
ID	SW1	SW2	SW3	SW4	Baud Rate	SW5	SW6
Reserved (广播地址)	on	on	on	on	9600	on	on
1	off	on	on	on	19200	off	on
2	on	off	on	on	38400	on	off
3	off	off	on	on	57600	off	off
4	on	on	off	on			
5	off	on	off	on			
6	on	off	off	on			
7	off	off	off	on			
8	on	on	on	off			
9	off	on	on	off			
10	on	off	on	off			
11	off	off	on	off			
12	on	on	off	off			
13	off	on	off	off			
14	on	off	off	off			
15	off	off	off	off			

产品特点 Porduct characteristics

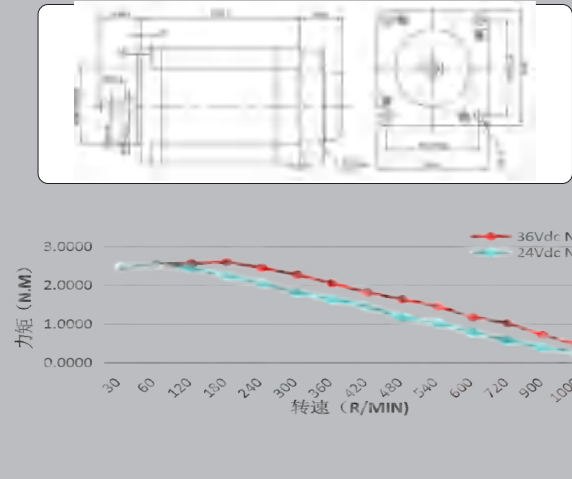
- 全新 32 位 DSP 技术, 低振动, 低噪声, 运行平稳
- RS485 总线控制, 采用通讯全隔离模块电气方案设计, 每个驱动器与驱动器之间, 驱动器与控制器之间, 通讯电信号, 电气连接独立控制, 互不干扰。
- 平滑滤波功能, 参数上电自动匹配电机功能
- 变电流控制使电机发热大为降低, 静止时电流自动减半
- 左限位, 右限位采用光电隔离差分信号 5V 输入, 如果是 24V, 需要在左限位和右限位正端分别串联一个 2K Ω /1W 的电阻
- 标准 Model BUS RS485 总线协议, 地址拨码设定范围为 1-16
- 电源输入在驱动器内部具有正负极防反接功能, 电源即使正负极接反, 也不会损坏驱动器, 具有 过压、欠压、过流、闭环跟踪误差报警等保护功能
- 电机编码器可以用磁编, 也可以用光编, 编码器线数出厂默认为 1000 线, 内部 4 倍频
- New 32-bit DSP technology, low vibration, low noise, smooth operation
- RS485 bus control, designed with a fully isolated communication module electrical scheme, allows for independent control of communication signals and electrical connections between each driver and between drivers and controllers, without interference.
- Smooth filtering function, automatic matching of motor parameters when powered on
- Variable current control greatly reduces motor heating and automatically halves the current when at rest
- The left limit and right limit adopt a photoelectric isolation differential signal 5V input. If it is 24V, a 2K Ω /1W resistor needs to be connected in series at the positive terminals of the left and right limits respectively
- The standard Model BUS RS485 bus protocol has an address dialing range of 1-16
- The power input inside the driver has a positive and negative pole anti reverse connection function. Even if the positive and negative poles of the power supply are reversed, it will not damage the driver. It has protection functions such as overvoltage, undervoltage, overcurrent, closed-loop tracking error alarm, etc
- The motor encoder can be magnetic encoder or optical encoder. The default number of encoder wires is 1000 at the factory, and the internal frequency is 4 times

矩频曲线 Pull out torque curve

驱动电机 IRC57N-10



驱动电机 IRC57N-20



※ 根据要求, 该款电机可以设计和制造成定制的类型。
※ The motor can be designed &manufactured with customized request.



IEC57

Ether CAT 总线一体集成式防水型驱动电机
Ether CAT Bus integrated waterproof drive motor



产品特点 Product characteristics

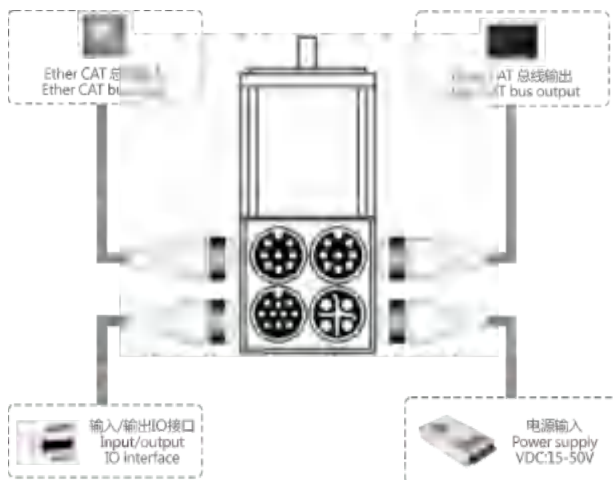
- 全新浮点 32 位 MCU 技术
- 整机防尘防水设计, IP65 等级
- 1 路光耦隔离 OC 输出
- 带串口设置和调试功能
- 变电流控制使电机发热大为降低
- 编码器线数 4000 线 (标准)
- 57 类闭环步进电机, 1N.M, 2.8N.M
- 3 路光耦隔离信号输入, 其中 2 路为高速光耦隔离
- 通讯频率 100MHz
- 电流可在 0.5-8A 之间随负载变化而变换
- 1.2 倍过载能力
- 出厂默认细分为 50000 (可通过软件修改)
- New Floating Point 32-bit MCU Technology
- The whole machine is designed to be dustproof and waterproof, with an IP65 rating
- 1-channel optocoupler isolated OC output
- Equipped with serial port settings and debugging functions
- Variable current control greatly reduces motor heating
- Encoder line count 4000 lines (standard)
- Class 57 closed-loop stepper motor, 1N M, 2.8N.M
- 3 optical isolation signal inputs, of which 2 are high-speed optocoupler isolation
- Communication frequency 100MHz
- The current can vary with the load between 0.5-8A
- 1.2 times overload capacity
- Factory default subdivision is 50000 (can be modified through software)

电气参数 Electrical parameter

参数 Parameters	最小值 Minimum value	典型值 Typical value	最大值 Maximum value	单位 Unit
连续输出电流 Output	0.5	-	8.0	A
电源电压 (直流) Power Supply Voltage(DC)	15	24/36	50	VDC
逻辑输入电流 Logic input current	6	10	16	mA
逻辑输入电压 Logic input voltage	5	5	24	VDC
Ether-CAT 通讯频率 Ether-CAT frequency	-	100	-	KHz

产品配置图

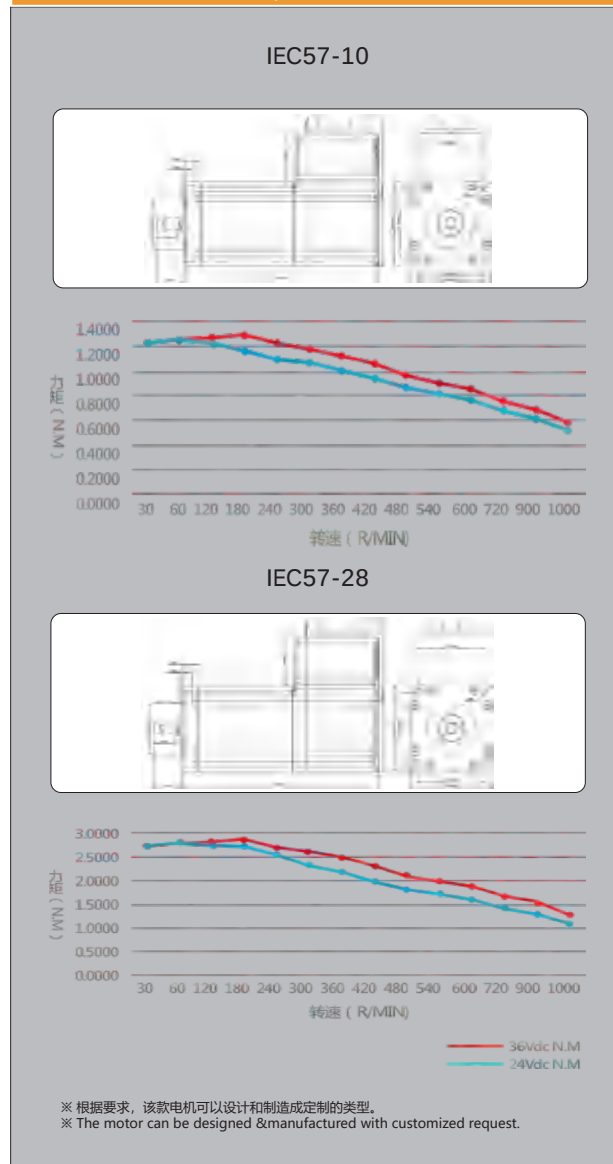
Product configuration diagram



适配标准电机 Suitable for standard motor

型号 (Model No.)	保持转矩 Holding Torque	驱动器 + 编码器 + 电机机身长度 Length	重量 Weight
IEC57-10	N.M	mm	kg
IEC57-28	1.2	107±1	1.9
IEC57-28	2.8	133±1	2.2

矩频曲线 Pull out torque curve



IEC60

Ether CAT 总线一体集成式防水型驱动电机
Ether CAT Bus integrated waterproof drive motor



产品特点 Product characteristics

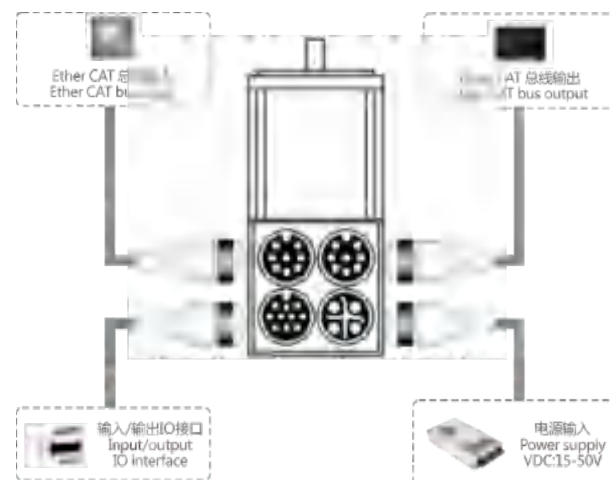
- 全新浮点 32 位 MCU 技术
- 整机防尘防水设计, IP65 等级
- 1 路光耦隔离 OC 输出
- 带串口设置和调试功能
- 变电流控制使电机发热大为降低
- 编码器线数 4000 线 (标准)
- 60 类闭环步进电机, 1N.M, 2.8N.M
- 3 路光耦隔离信号输入, 其中 2 路为高速光耦隔离
- 通讯频率 100MHz
- 电流可在 0.5-8A 之间随负载变化而变换
- 1.2 倍过载能力
- 出厂默认细分为 50000 (可通过软件修改)
- New Floating Point 32-bit MCU Technology
- The whole machine is designed to be dustproof and waterproof, with an IP65 rating
- 1-channel optocoupler isolated OC output
- Equipped with serial port settings and debugging functions
- Variable current control greatly reduces motor heating
- Encoder line count 4000 lines (standard)
- Class 60 closed-loop stepper motor, 1N M, 2.8N.M
- 3 optical isolation signal inputs, of which 2 are high-speed optocoupler isolation
- Communication frequency 100MHz
- The current can vary with the load between 0.5-8A
- 1.2 times overload capacity
- Factory default subdivision is 50000 (can be modified through software)

电气参数 Electrical parameter

参数 Parameters	最小值 Minimum value	典型值 Typical value	最大值 Maximum value	单位 Unit
连续输出电流 Output	0.5	-	8.0	A
电源电压 (直流) Power Supply Voltage(DC)	20	24/36	50	VDC
逻辑输入电流 Logic input current	6	10	16	mA
逻辑输入电压 Logic input voltage	5	5	24	VDC
Ether-CAT 通讯频率 Ether-CAT frequency	-	100	-	KHz

产品配置图

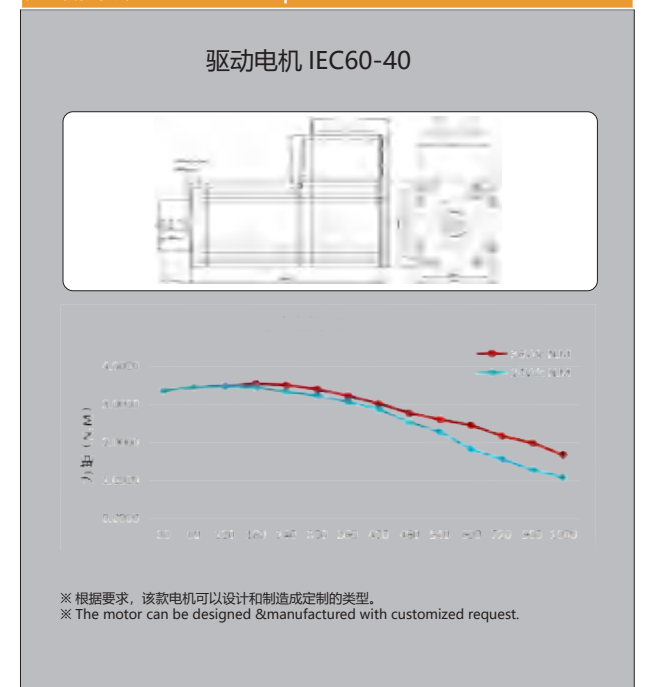
Product configuration diagram



适配标准电机 Suitable for standard motor

型号 (Model No.)	保持转矩 Holding Torque	驱动器 + 编码器 + 电机机身长度 Length	重量 Weight
IEC60-40	N.M	mm	kg
IEC60-40	4.0	142±1	2.2

矩频曲线 Pull out torque curve





IEC86

Ether CAT 总线一体集成式防水型驱动电机
Ether CAT Bus integrated waterproof drive motor

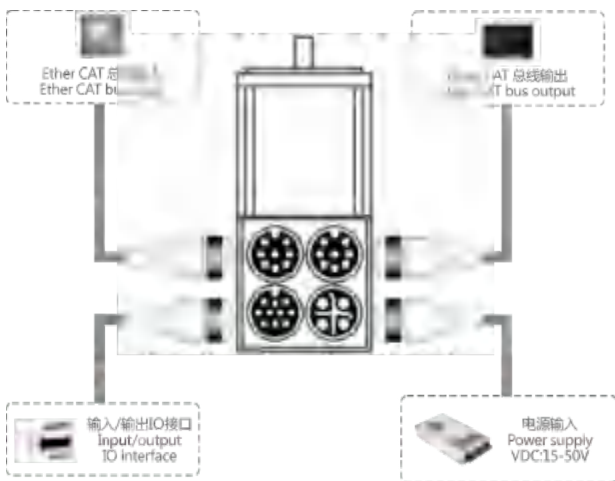


电气参数 Electrical parameter

参数 Parameters	最小值 Minimum value	典型值 Typical value	最大值 Maximum value	单位 Unit
连续输出电流 Output	0.5	-	8.0	A
电源电压 (直流) Power Supply Voltage(DC)	20	24/36	50	VDC
逻辑输入电流 Logic input current	6	10	16	mA
逻辑输入电压 Logic input voltage	5	5	24	VDC
Ether-CAT 通讯频率 Ether-CAT frequency	-	100	-	KHz

产品配置图

Porduct configuration diagram



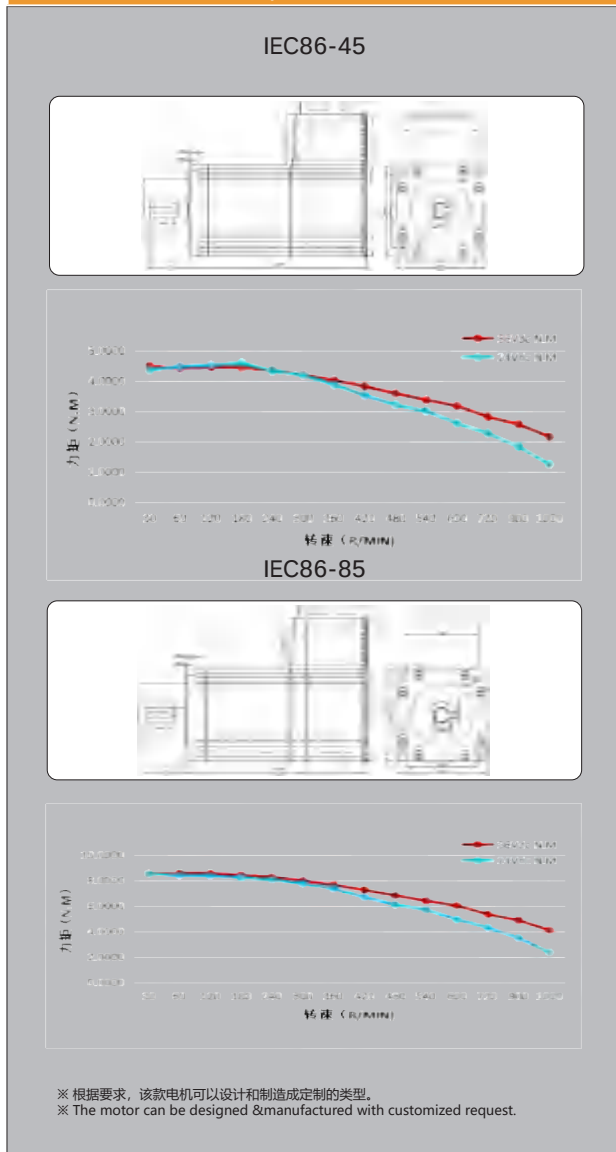
适配标准电机 Suitable for standard motor

型号 (Model No.)	保持转矩 Holding Torque	驱动器 + 编码器 + 电机机身长度 Length	重量 Weight
	N.M	mm	kg
IEC86-45	4.5	136±1	2.3
IEC86-85	8.5	173±1	3.8

产品特点 Porduct characteristics

- 全新浮点 32 位 MCU 技术
- 整机防尘防水设计, IP65 等级
- 1 路光耦隔离 OC 输出
- 带串口设置和调试功能
- 变电流控制使电机发热大为降低
- 编码器线数 4000 线 (标准)
- 86 类闭环步进电机, 1N.M, 2.8N.M
- 3 路光耦隔离信号输入, 其中 2 路为高速光耦隔离
- 通讯频率 100MHz
- 电流可在 0.5-8A 之间随负载变化而变换
- 1.2 倍过载能力
- 出厂默认细分为 50000 (可通过软件修改)
- New Floating Point 32-bit MCU Technology
- The whole machine is designed to be dustproof and waterproof, with an IP65 rating
- 1-channel optocoupler isolated OC output
- Equipped with serial port settings and debugging functions
- Variable current control greatly reduces motor heating
- Encoder line count 4000 lines (standard)
- Class 86 closed-loop stepper motor, 1N M, 2.8N.M
- 3 optical isolation signal inputs, of which 2 are high-speed optocoupler isolation
- Communication frequency 100MHz
- The current can vary with the load between 0.5-8A
- 1.2 times overload capacity
- Factory default subdivision is 50000 (can be modified through software)

矩频曲线 Pull out torque curve



步进电机驱动器选型表

Selection Table for Stepper Motor Drivers

控制方式 Control mode	相数 Phase number	产品型号 Product model	电流/A Current/A	电压/V Voltage/V	适配步进电机 Adaptive Stepper Motor	外形尺寸/mm Overall Dimension/mm	控制信号 Control Signal
脉冲式 开环 Pulse open loop	两相 Two-phase	DM420	0.44~2.83	DC(12~36)	42mm	60*24.5*96	共阳
		DM422	0.6~2.2	DC(10~40)	42mm	55*20*84	共阳, 共阴, 差分
		DM430	0.14~3	DC(12~32)	42mm	56*21*93	共阳, 共阴, 差分
		DM542	0.71~4.2	DC(24~50)	42mm/57mm	75*34*118	共阳, 共阴, 差分
		DM545	0.71~4.5	DC(24~50)	42mm/57mm	75.5*35*112	共阳, 共阴, 差分
		DM556	1.5~5.6	DC(24~50)	42mm/57mm	75.5*34*118	共阳, 共阴, 差分
		DM856	1.4~5.6	DC(24~80)	42mm/57mm/60mm	75.5*34*118	共阳, 共阴, 差分
		DM860H	2~7.2	DC(24~80)	57mm/86mm	92.5*53*150	共阳, 共阴, 差分
		DM880H	2.8~7.8	DC(24~80)	57mm/86mm	75.5*34*118	共阳, 共阴, 差分
		DM2522	0.5~5	AC(110~220)	86mm/110mm	108*68*177	共阳, 共阴, 差分
		DM2722	1.2~7	AC(110~220)	86mm/110mm	146*80.5*198	共阳, 共阴, 差分
	三相 Three-phase	3DM225	1.2~5	AC(110~220)	86mm/110mm	108*68*177	共阳, 共阴, 差分
		3DM227	1.2~7	AC(110~220)	86mm/110mm	146*80.5*198	共阳, 共阴, 差分
		3DM883	1.7~8.3	DC(20~80)	42mm/57mm/60mm	75.5*34*118	共阳, 共阴, 差分
IO类	两相 Two-phase	DM430-IO	0.14~3	DC(12~32)	42mm	56*21*93	
		AM556-IO	0.4~5.6	DC(20~60)	42mm/57mm	97.5*52.5*150	
		DM556-IO	1.6~6	DC(24~80)	42mm/57mm	75.5*34*118	
		DM860-IO	2~8.4	DC(24~80) AC(110~220)	57mm/86mm	97.5*52.5*150	
脉冲式闭环 Pulse open loop	两相 Two-phase	HBS758	0.5~8	AC(20~75)	86mm	130*54*157.5	共阳, 共阴, 差分
		CS57	2~5	DC(24~50)	42mm/57mm	69.2*26.5*116	共阳, 共阴, 差分
		CS86H	2~6	AC(20~80)	57mm/86mm	97*48*151	共阳, 共阴, 差分
总线 Bus	RS485	RSO872	0.5~7.2	AC(24~80)	42mm/57mm/86mm	69*26.5*116	
		RSC878	0.5~7.8	AC(24~75)	42mm/57mm/86mm	69*26.5*116	
	CANOPEN	CSO808	0.5~8	DC(24~75)	42mm/57mm/86mm	69*26.5*116	
		CSC808	0.5~8	DC(24~75)	42mm/57mm/86mm	69*26.5*116	
	EtherCAT	EC8A	0.5~8	AC(20~60)	42mm/57mm/86mm	91*34*118	
		EO8A	0.5~8	AC(20~80)	42mm/57mm/86mm	91*34*118	
		ECO525	0.3~2.5	DC(15~50)	42mm/57mm	69.2*26.5*116	
脉冲式开环 Pulse open loop	多合一 All in one	ECC580	0.5~8	DC(15~50)	42mm/57mm/60mm	69.2*26.5*116	
		DM2545	0.7~5.2	DC(24~50)	42mm/57mm	75.5*34*118	共阳, 共阴, 差分
		DM3545	0.7~5.2	DC(24~50)	42mm/57mm	75.5*25.5*156.5	共阳, 共阴, 差分
		DM3860	2.2~6	DC(24~50)	57mm/86mm	120*56*190	共阳, 共阴, 差分
一体机 Integrated motor	脉冲开环 Pulse open loop	DM4545	0.7~5.2	DC(24~50)	42mm/57mm	68.7*42*109	共阳, 共阴, 差分
		2802K	0.5~2.2	DC(15~32)	42mm	42*42*16.4	共阳, 共阴, 差分
		IO42	0.5~2.2	DC(15~32)	42mm	42*42*19	共阳, 共阴, 差分
	CANOPEN	IO57	1~5.6	DC(15~50)	42mm/57mm	57*57*21.5	共阳, 共阴, 差分
		IRO42	0.1~2.2	DC(12~32)	42mm/57mm	42*42*19	
		IRO57	0.5~5.6	DC(12~50)	42mm/57mm	57*57*21.5	
	闭环 close loop	IC42N	0.3~2.5	DC(12~40)	42mm	42*42*18.5	
		IC57N	0.7~5.6	DC(15~50)	57mm	57*57*21.5	
	RS485	IRC42N	0.3~12.5	DC(12~40)	42mm	42*42*18.5	
		IRC57N	0.7~6	DC(15~50)	42mm/57mm	57*57*21.5	
	EtherCAT	IEC57	0.5~8	DC(15~50)	57mm	57*57*103.5	
		IEC60	0.5~8	DC(20~50)	57mm/60mm	60*60*106.5	
		IEC86	0.5~8	DC(20~50)	57mm/86mm	86*86*145.5	

共阳: Common Yang 共阴: Common Yin 差分: Difference

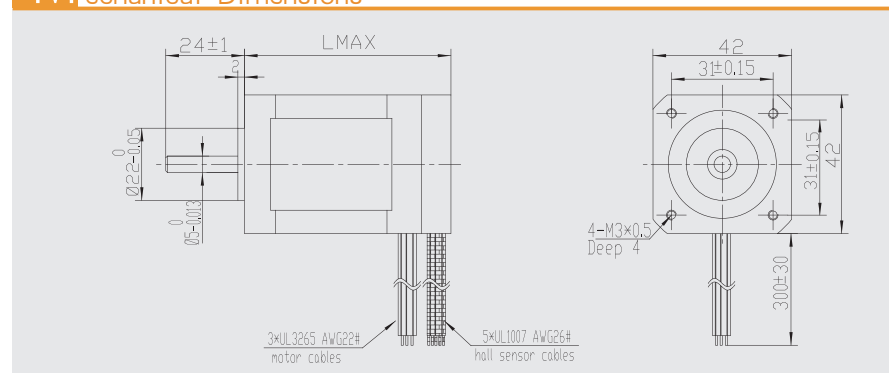


Brushless Motor

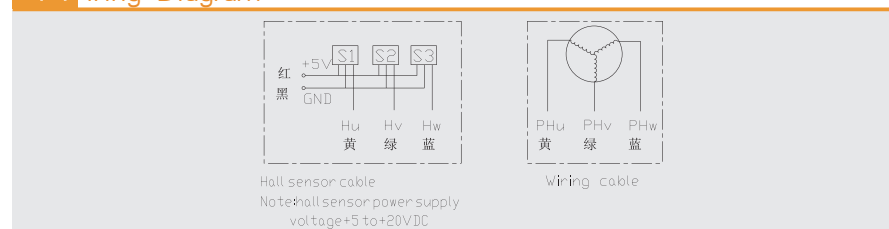
无刷电机



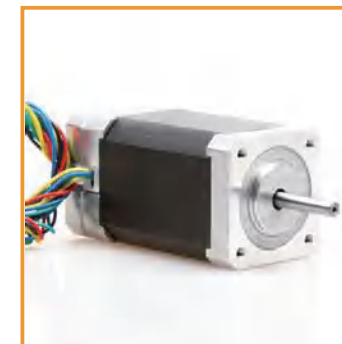
M 外型图 Mechanical Dimensions



W 接线图 Wiring Diagram



42BLF系列 直流无刷电机 Brushless DC Motor



M 机身说明 Motor Length

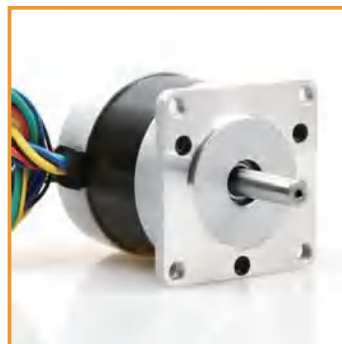
型号	机身长
42BLF01	47mm
42BLF02	63mm
42BLF03	79mm

E 技术数据 Electrical Specifications

型号	Model	42BLF01	42BLF02	42BLF03
极数	Number of Poles	8	8	8
相数	Number of Phases	3	3	3
额定电压	Nominal Voltage (VDC)	24	24	24
额定转数	Rated speed (RPM)	4000	4000	4000
额定力矩	Continuous Torque (N-m)	0.063	0.125	0.188
额定电流	Rated Current (Amps)	1.9	3.4	5.7
输出功率	Output Power (Watts)	26	52	78
峰值力矩	Peak Torque1 (N-m)	0.18	0.38	0.75
峰值电流	Peak Current (Amps)	5.7	10.2	18
力矩常数	Torque constant (N-m/Amps)	0.035	0.036	0.036
反电势常数	Back EMF (V/kRPM)	3.7	3.8	3.8
转动惯量	Rotor inertia (g·cm ²)	24	48	72
机身长	Body Length (L) (mm)	47	63	79
重量	Mass (kg)	0.29	0.38	0.58



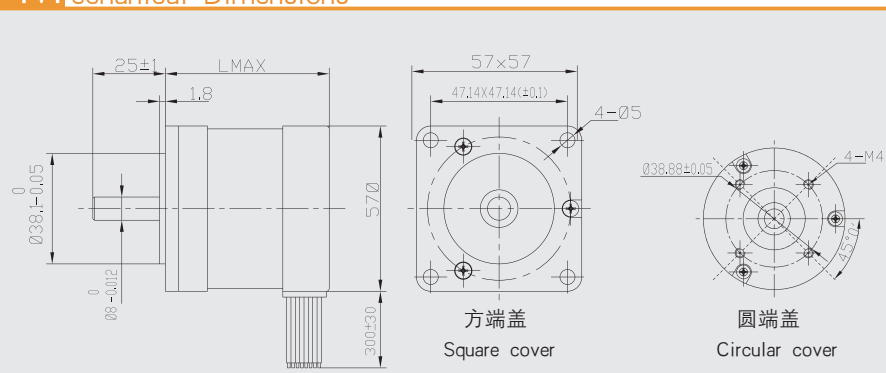
57BL系列 直流无刷电机 Brushless DC Motor



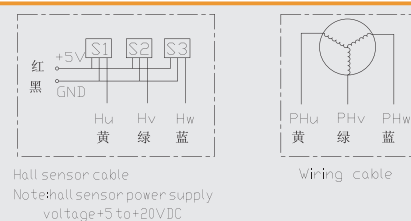
M 机身说明 Motor Length

型号	机身长
57BL01	41.5mm
57BL02	46.5mm
57BL03	56.5mm
57BL04	66.5mm
57BL05	86.5mm
57BL06	106.5mm

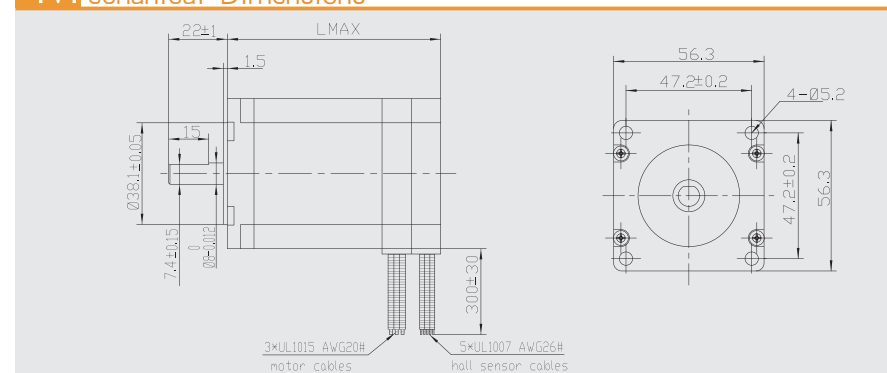
M 外型图 Mechanical Dimensions



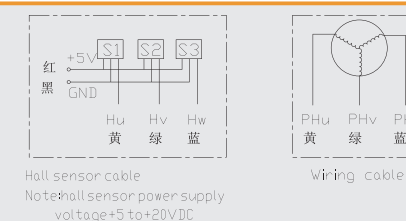
W 接线图 Wiring Diagram



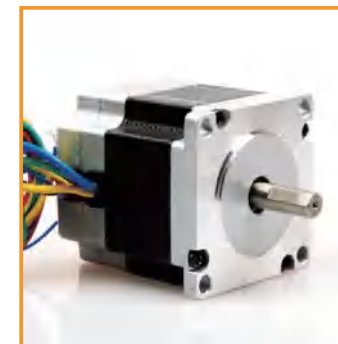
M 外型图 Mechanical Dimensions



W 接线图 Wiring Diagram



57BLF系列 直流无刷电机 Brushless DC Motor



M 机身说明 Motor Length

型号	机身长
57BLF01	59mm
57BLF02	80mm
57BLF03	101mm

E 技术数据 Electrical Specifications

型号	Model	57BL01	57BL02	57BL03	57BL04	57BL05	57BL06
极数	Number of Poles	4	4	4	4	4	4
相数	Number of Phases	3	3	3	3	3	3
额定电压	Nominal Voltage (VDC)	24	24	24	24	24	24
额定转数	Rated speed (RPM)	2500	3000	3000	3000	3000	3000
额定力矩	Continuous Torque (N-m)	0.057	0.11	0.165	0.22	0.33	0.44
额定电流	Rated Current (Amps)	1.2	2.3	3.0	4.4	6.6	8.6
输出功率	Output Power (Watts)	15	34	52	69	103	138
峰值力矩	Peak Torque1 (N-m)	0.18	0.38	0.58	0.8	1.2	1.6
峰值电流	Peak Current (Amps)	3.6	6.8	9	13.2	19.8	25.8
力矩常数	Torque constant (N-m/Amps)	0.074	0.06	0.061	0.062	0.062	0.063
反电势常数	Back EMF (V/kRPM)	7.75	6.3	6.4	6.5	6.5	6.6
转动惯量	Rotor inertia (g·cm ²)	32	42	58	72	106	140
机身长	Body Length (L) (mm)	41.5	46.5	56.5	66.5	86.5	106.5
重量	Mass (kg)	0.34	0.42	0.55	0.66	0.89	1.15

E 技术数据 Electrical Specifications

型号	Model	57BLF01	57BLF02	57BLF03
极数	Number of Poles	8	8	8
相数	Number of Phases	3	3	3
额定电压	Nominal Voltage (VDC)	24	24	24
额定转数	Rated speed (RPM)	3000	3000	3000
额定力矩	Continuous Torque (N-m)	0.2	0.4	0.6
额定电流	Rated Current (Amps)	4	7.8	12
输出功率	Output Power (Watts)	63	125	188
峰值力矩	Peak Torque1 (N-m)	0.6	1.2	1.8
峰值电流	Peak Current (Amps)	12	23.5	36
力矩常数	Torque constant (N-m/Amps)	0.065	0.066	0.066
反电势常数	Back EMF (V/kRPM)	6.23	6.3	6.3
转动惯量	Rotor inertia (g·cm ²)	120	170	220
机身长	Body Length (L) (mm)	59	80	101
重量	Mass (kg)	0.59	0.92	1.24



86BLF系列

直流无刷电机

Brushless DC Motor



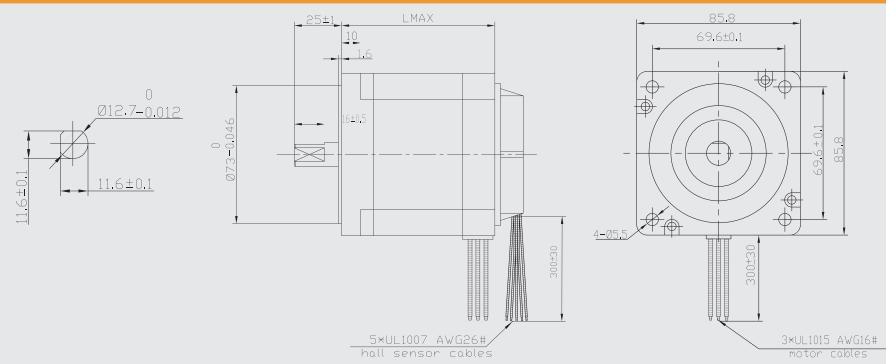
M 机身说明

Motor Length

型号	机身长
86BLF01	57mm
86BLF02	67mm
86BLF03	81mm
86BLF04	94mm

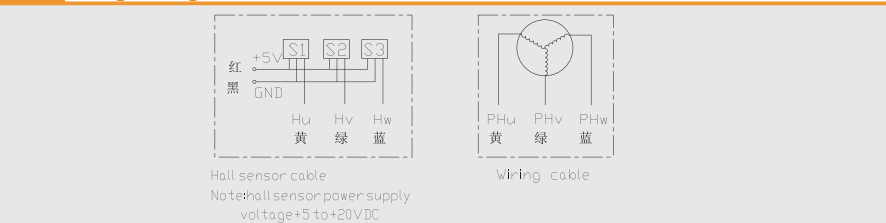
M 外型图

Mechanical Dimensions



W 接线图

Wiring Diagram



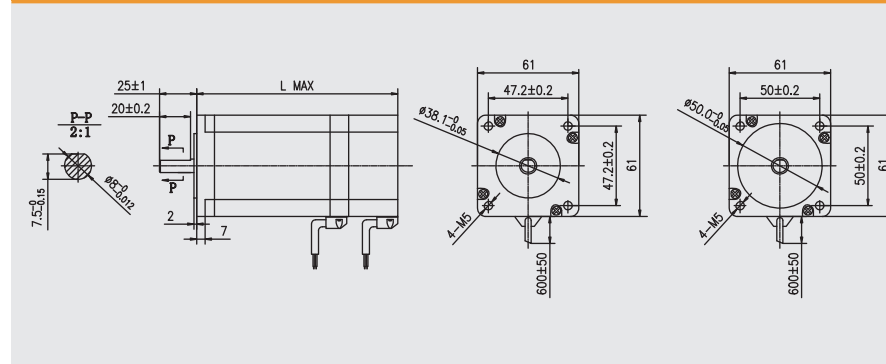
E 技术数据

Electrical Specifications

型号	Model	86BLF01	86BLF02	86BLF03	86BLF04
极数	Number of Poles	8	8	8	8
相数	Number of Phases	3	3	3	3
额定电压	Nominal Voltage (VDC)	48	48	48	48
额定转数	Rated speed (RPM)	3000	3000	3000	3000
额定力矩	Continuous Torque (N-m)	0.35	0.7	1.05	1.4
额定电流	Rated Current (Amps)	3.9	6.6	9.6	14
输出功率	Output Power (Watts)	110	220	330	440
峰值力矩	Peak Torque1 (N-m)	1.05	2.1	3.2	4.2
峰值电流	Peak Current (Amps)	10.8	19.8	29.0	38.0
力矩常数	Torque constant (N-m/Amps)	0.11	0.11	0.11	0.128
反电势常数	Back EMF (V/kRPM)	11.5	11.5	11.5	13.5
转动惯量	Rotor inertia (g · cm ²)	350	650	950	1250
机身长	Body Length (L) (mm)	57	67	81	94
重量	Mass (kg)	1.1	1.75	2.2	2.75

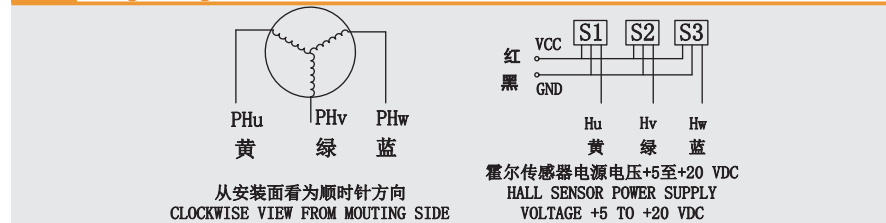
M 外型图

Mechanical Dimensions



W 接线图

Wiring Diagram



E 技术数据

Electrical Specifications

型号	Model	60BLF78-430	60BLF99-430	60BLF120-430	60BLF141-430
极数	Number of Poles	8	8	8	8
相数	Number of Phases	3	3	3	3
额定电压	Nominal Voltage (VDC)	48	48	48	48
额定转数	Rated speed (RPM)	3000	3000	3000	3000
额定力矩	Continuous Torque (N-m)	0.32	0.65	0.95	1.28
额定电流	Rated Current (Amps)	5.5	6.5	9.5	12
输出功率	Output Power (Watts)	100	200	300	400
峰值力矩	Peak Torque1 (N-m)	0.96	1.95	2.85	3.84
峰值电流	Peak Current (Amps)	16.5	19.5	28.5	36
力矩常数	Torque constant (N-m/Amps)	0.06	0.06	0.09	0.12
反电势常数	Back EMF (V/kRPM)	4.2	4.2	6.4	8.4
转动惯量	Rotor inertia (g · cm ²)	0.24	0.48	0.72	0.96
机身长	Body Length (L) (mm)	78	99	120	141
重量	Mass (kg)	0.85	1.25	1.65	2.05

60BLF系列

直流无刷电机

Brushless DC Motor



M 机身说明

Motor Length

型号	机身长
60BLF78-430	78mm
60BLF99-430	99mm
60BLF120-430	120mm
60BLF141-430	141mm



80BLF系列

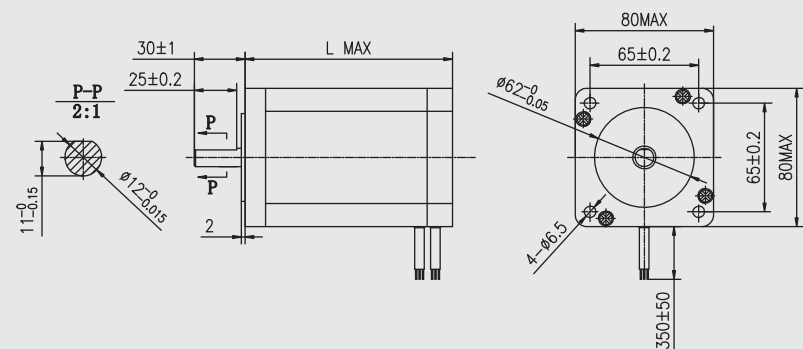
直流无刷电机

Brushless DC Motor



外型图

Mechanical Dimensions



M 机身说明

Motor Length

型号	机身长
80BLF86-430	86mm
80BLF106-430	106mm
80BLF126-430	126mm
80BLF126-431	126mm
80BLF126-630	126mm

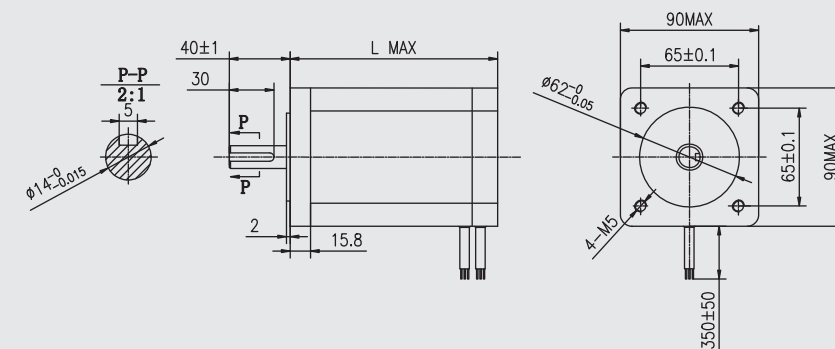
W 接线图

Wiring Diagram



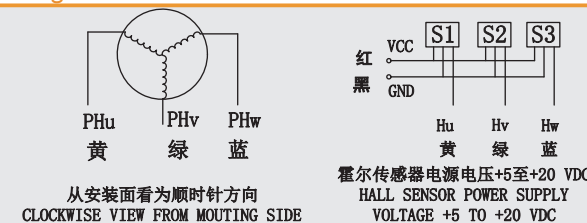
M 外型图

Mechanical Dimensions



W 接线图

Wiring Diagram



90BLF系列

直流无刷电机

Brushless DC Motor



M 机身说明

Motor Length

型号	机身长
90BLF85-230	85mm
90BLF110-430	110mm
90BLF135-430	135mm

E 技术数据

Electrical Specifications

型号	Model	80BLF86-430	80BLF106-430	80BLF126-430	80BLF126-4301	80BLF126-630
极数	Number of Poles	8	8	8	8	8
相数	Number of Phases	3	3	3	3	3
额定电压	Nominal Voltage (VDC)	48	48	48	48	48
额定转数	Rated speed (RPM)	3000	3000	3000	3000	3000
额定力矩	Continuous Torque (N-m)	0.4	0.7	1.2	1.2	1.2
额定电流	Rated Current (Amps)	5	7	12	12	2.1
输出功率	Output Power (Watts)	126	220	376	628	376
峰值力矩	Peak Torque1 (N-m)	1.2	2.1	3	3	4.5
峰值电流	Peak Current (Amps)	15	21	36	36	6.3
力矩常数	Torque constant (N-m/Amps)	0.11	0.11	0.11	0.11	0.72
反电势常数	Back EMF (V/kRPM)	4.52	4.52	4.52	4.52	55
转动惯量	Rotor inertia (g·cm ²)	390	530	650	650	0.6
机身长	Body Length (L) (mm)	86	106	126	126	126
重量	Mass (kg)	2	2.5	3	3	3

E 技术数据

Electrical Specifications

型号	Model	90BLF85-230	90BLF110-430	90BLF135-430
极数	Number of Poles	8	8	8
相数	Number of Phases	3	3	3
额定电压	Nominal Voltage (VDC)	48	48	48
额定转数	Rated speed (RPM)	3000	3000	3000
额定力矩	Continuous Torque (N-m)	1	1.8	2.5
额定电流	Rated Current (Amps)	18	14.8	19.5
输出功率	Output Power (Watts)	315	565	785
峰值力矩	Peak Torque1 (N-m)	3	5.4	7.5
峰值电流	Peak Current (Amps)	54	42	55
力矩常数	Torque constant (N-m/Amps)	0.120	0.131	0.127
反电势常数	Back EMF (V/kRPM)	13	13.7	13.3
转动惯量	Rotor inertia (g·cm ²)	160	250	340
机身长	Body Length (L) (mm)	85	110	135
重量	Mass (kg)	3.5	4.5	5



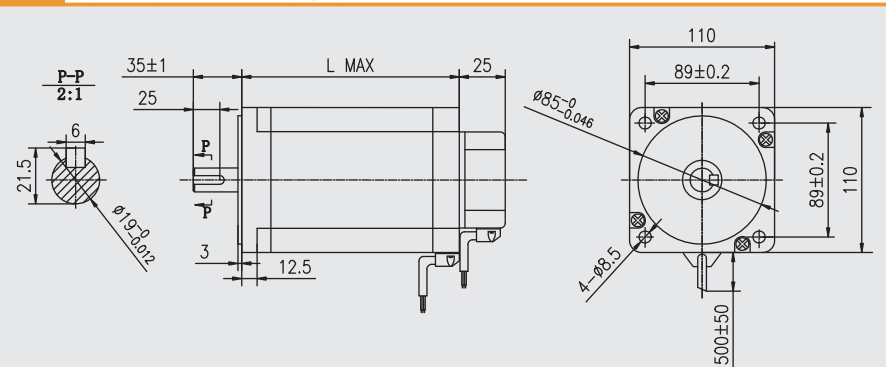
110BLF系列 直流无刷电机 Brushless DC Motor



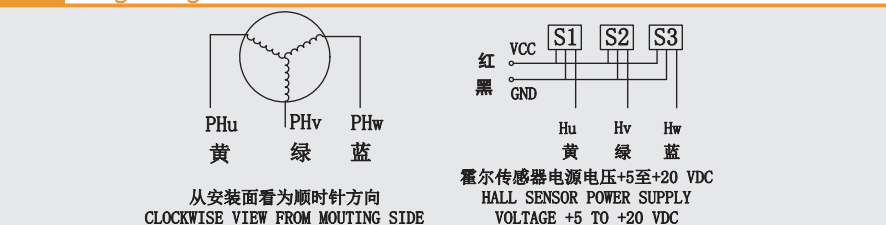
M 机身说明 Motor Length

型号	机身长
110BLF110-430	110mm
110BLF110-630	110mm
110BLF170-630	170mm
110BLF230-630	230mm

M 外型图 Mechanical Dimensions



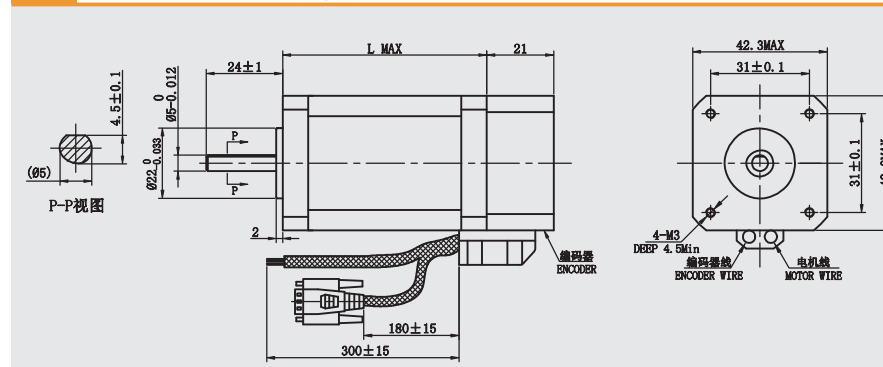
W 接线图 Wiring Diagram



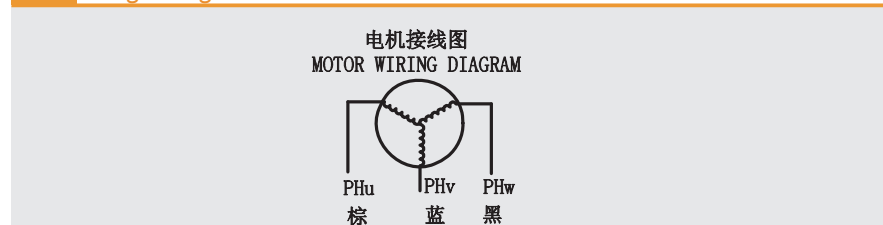
E 技术数据 Electrical Specifications

型号	Model	110BLF110-430	110BLF110-630	110BLF170-630	110BLF230-630
极数	Number of Poles	8	8	8	8
相数	Number of Phases	3	3	3	3
额定电压	Nominal Voltage (VDC)	48	310	310	310
额定转数	Rated speed (RPM)	3000	3000	3000	3000
额定力矩	Continuous Torque (N-m)	3.2	3.2	6.4	9.6
额定电流	Rated Current (Amps)	28	4.1	8.2	13
输出功率	Output Power (Watts)	1000	1000	2000	3000
峰值力矩	Peak Torque1 (N-m)	10	10	20	30
峰值电流	Peak Current (Amps)	84	13	25	39
力矩常数	Torque constant (N-m/Amps)	0.12	0.79	0.79	0.74
反电势常数	Back EMF (V/kRPM)	8.4	55	55	55
转动惯量	Rotor inertia (g·cm ²)	3	3	6	6
机身长	Body Length (L) (mm)	110	110	170	230
重量	Mass (kg)	4.5	4.5	7	9.5

M 外型图 Mechanical Dimensions



W 接线图 Wiring Diagram



E 技术数据 Electrical Specifications

型号	Model	42BLF01	42BLF02	42BLF03
极数	Number of Poles	8	8	8
相数	Number of Phases	3	3	3
额定电压	Nominal Voltage (VDC)	24	24	24
额定转数	Rated speed (RPM)	4000	4000	4000
额定力矩	Continuous Torque (N-m)	0.063	0.125	0.188
额定电流	Rated Current (Amps)	1.9	3.4	5.7
输出功率	Output Power (Watts)	26	52	78
峰值力矩	Peak Torque1 (N-m)	0.18	0.38	0.75
峰值电流	Peak Current (Amps)	5.7	10.2	18
力矩常数	Torque constant (N-m/Amps)	0.035	0.036	0.036
反电势常数	Back EMF (V/kRPM)	3.7	3.8	3.8
转动惯量	Rotor inertia (g·cm ²)	24	48	72
机身长	Body Length (L) (mm)	47	63	79
重量	Mass (kg)	0.29	0.38	0.58

42BLF-EC1000系列 闭环无刷电机 Closed loop brushless motor



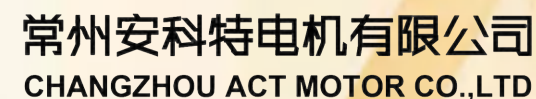
M 机身说明 Motor Length

型号	机身长
42BLF01	47mm
42BLF02	63mm
42BLF03	79mm



www.act-motor.cn
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* 以上仅为代表性产品,派生产品可根据客户要求制作。 We can manufacture products according to customer's requirement.



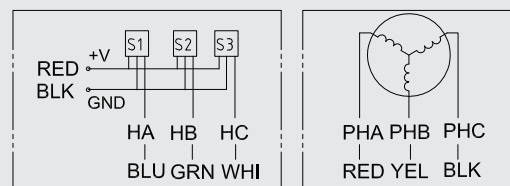
无刷齿轮箱电机

Brushless gearbox motor



型号	机身长
36BLY01A	84mm

M 外型图
Mechanical Dimensions

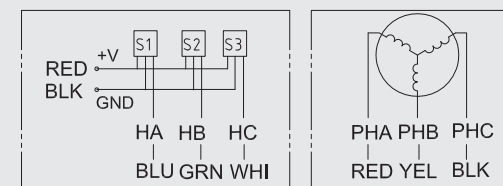


E 技术数据
Electrical Specifications

型号	Model				36BLY01A						
相 数/No.of Phases					3						
减速箱直径/Gearbox Diameter					36						
极 数/ No.of Poles					4						
额定电压/Rated Voltage					24 VDC						
额定转速/Rated Speed					94 RPM						
额定转矩/Rated Torque					1.5 N.m						
额定电流/Rated Current					2.5 Amps						
输出功率/Output Power					15W						
机身高度/Motor Height L					84mm						
总重量/Overall Weight					0.40 Kg						
减速比/Reduction Ratio	1/4	1/5	1/16	1/20	1/25	1/53	1/62	1/76	1/94	1/117	

* 以上仅为代表性产品,派生产品可根据客户要求制作。 We can manufacture products according to customer's requirement.

M 外型图
Mechanical Dimensions



E 技术数据
Electrical Specifications

型号	Model	42BLF01	42BLF02	42BLF03			
极数	Number of Poles	8	8	8			
相数	Number of Phases	3	3	3			
额定电压	Nominal Voltage (VDC)	24	24	24			
额定转数	Rated speed (RPM)	4000	4000	4000			
额定力矩	Continuous Torque (N—m)	0.063	0.125	0.188			
额定电流	Rated Current (Amps)	1.9	3.4	5.7			
输出功率	Output Power (Watts)	26	52	78			
峰值力矩	Peak Torque1 (N—m)	0.18	0.38	0.75			
峰值电流	Peak Current (Amps)	5.7	10.2	18			
力矩常数	Torque constant (N—m/Amps)	0.035	0.036	0.036			
反电势常数	Back EMF (V/kRPM)	3.7	3.8	3.8			
转动惯量	Rotor inertia (g · cm ²)	24	48	72			
机身长	Body Length (L) (mm)	47	63	79			
重量	Mass (kg)	0.29	0.38	0.58			
减速比/Reduction Ratio		1级减速比	1:3.7	1:5.18	L1=28mm		
		2级减速比	1:13.76	1:19.22	1:26.83	L1=35.5mm	
		3级减速比	1:51	1:71.3	1:100	1:139	L1=43mm

* 以上仅为代表性产品,派生产品可根据客户要求制作。 We can manufacture products according to customer's requirement.

无刷齿轮箱电机

Brushless gearbox motor



型号	机身长
42BLF01	47mm
42BLF02	63mm
42BLF03	79mm

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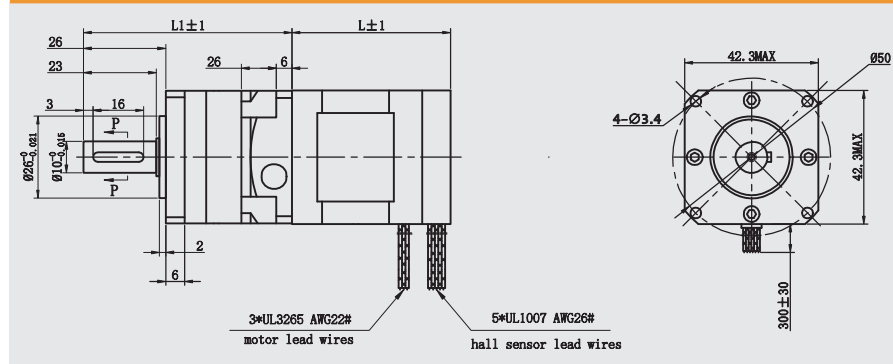
42BLFAG-XMNS 系列

无刷齿轮箱电机

Brushless gearbox motor



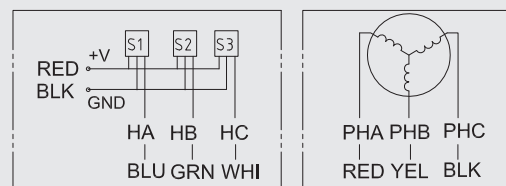
M 外型图 Mechanical Dimensions



M 机身说明 Motor Length

型号	机身长
42BLF01	47mm
42BLF02	63mm
42BLF03	79mm

W 接线图 Wiring Diagram

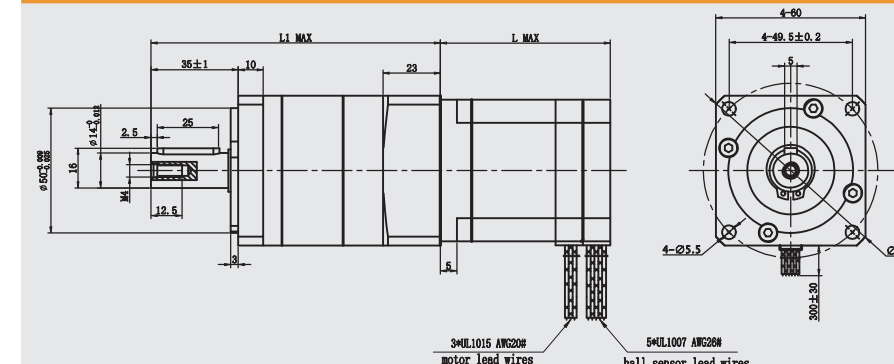


E 技术数据 Electrical Specifications

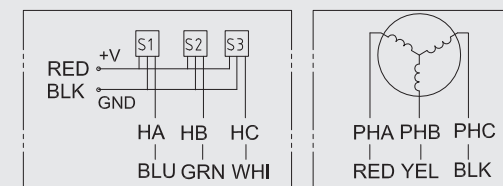
型号	Model	42BLF01	42BLF02	42BLF03
极数	Number of Poles	8	8	8
相数	Number of Phases	3	3	3
额定电压	Nominal Voltage (VDC)	24	24	24
额定转数	Rated speed (RPM)	4000	4000	4000
额定力矩	Continuous Torque (N-m)	0.063	0.125	0.188
额定电流	Rated Current (Amps)	1.9	3.4	5.7
输出功率	Output Power (Watts)	26	52	78
峰值力矩	Peak Torque1 (N-m)	0.18	0.38	0.75
峰值电流	Peak Current (Amps)	5.7	10.2	18
力矩常数	Torque constant (N-m/Amps)	0.035	0.036	0.036
反电势常数	Back EMF (V/kRPM)	3.7	3.8	3.8
转动惯量	Rotor inertia (g · cm ²)	24	48	72
机身长	Body Length (L) (mm)	47	63	79
重量	Mass (kg)	0.29	0.38	0.58
减速比/Reduction Ratio	1级减速比 1:4 1:5 1:7 1:10 L1=88mm 2级减速比 1:16 1:20 1:25 1:28 1:35 1:40 1:50 1:70 L1=98.3mm			

* 以上仅为代表性产品,派生产品可根据客户要求制作。 We can manufacture products according to customer's requirement.

M 外型图 Mechanical Dimensions



W 接线图 Wiring Diagram



E 技术数据 Electrical Specifications

型号	Model	57BLF01	57BLF02	57BLF03
极数	Number of Poles	8	8	8
相数	Number of Phases	3	3	3
额定电压	Nominal Voltage (VDC)	24	24	24
额定转数	Rated speed (RPM)	3000	3000	3000
额定力矩	Continuous Torque (N-m)	0.2	0.4	0.6
额定电流	Rated Current (Amps)	4	7.8	12
输出功率	Output Power (Watts)	63	125	188
峰值力矩	Peak Torque1 (N-m)	0.6	1.2	1.8
峰值电流	Peak Current (Amps)	12	23.5	36
力矩常数	Torque constant (N-m/Amps)	0.065	0.066	0.066
反电势常数	Back EMF (V/kRPM)	6.23	6.3	6.3
转动惯量	Rotor inertia (g · cm ²)	120	170	220
机身长	Body Length (L) (mm)	59	80	101
重量	Mass (kg)	0.59	0.92	1.24
减速比/Reduction Ratio	1级减速比 4、5、7、10 L1=81mm 2级减速比 16、20、25、28、35、40、50、70、100 L2=98mm 3级减速比 64、80、100、125、140、175、245、350、400、500、700、1000 L3=115mm			

* 以上仅为代表性产品,派生产品可根据客户要求制作。 We can manufacture products according to customer's requirement.



86BLFAG-XMNS 系列

无刷齿轮箱电机

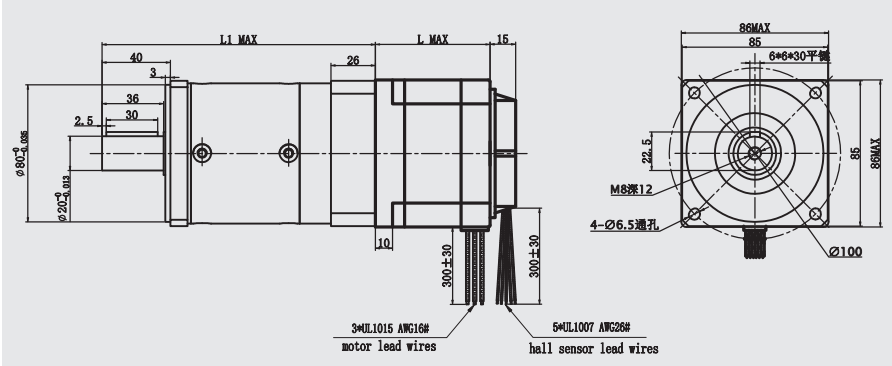
Brushless gearbox motor



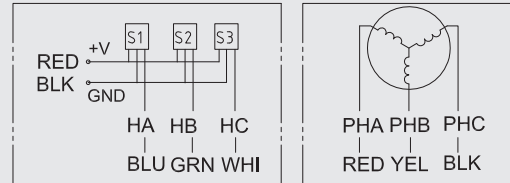
机身说明 Motor Length

型号	机身长
86BLF01	57mm
86BLF02	67mm
86BLF03	81mm
86BLF04	94mm

M 外型图 Mechanical Dimensions



W 接线图 Wiring Diagram



BLDC-6012S 开环无刷电机驱动器 Open loop brushless motor driver



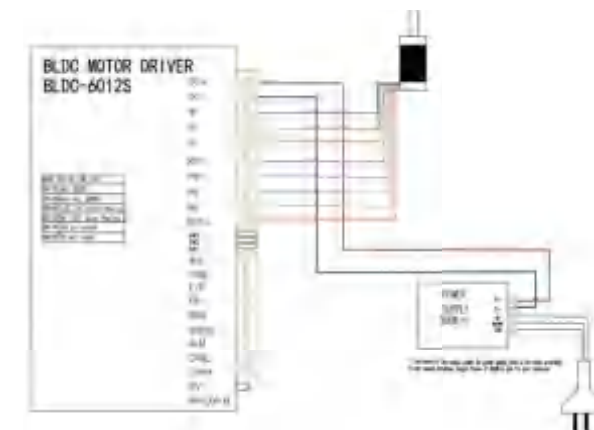
电气参数 Electrical parameter

输入电压 Input voltage	18 ~60VDC, 容量: 根据电机功率选择 18~60VDC, capacity: selected according to motor power
输出电流 Output current	额定 12A, 瞬时最大 45A (≤ 3s) Rated 12A, instantaneous maximum 45A (≤ 3s)
驱动方式 Drive mode	SPWM 正弦波驱动输出 SPWM sine wave drive output
绝缘电阻 Insulation resistance	常温常压下 > 500MΩ Under normal temperature and pressure, >500M Ω
绝缘强度 Insulation strength	常温常压下 500V/ 分钟 500V/min at room temperature and pressure
重量 Weight	约 250g About 250g

环境要求 Environmental requirements

冷却方式 Cooling method	自然冷却 Natural cooling
使用场合 Application	避免粉尘、油雾及腐蚀性气体 Avoid dust, oil mist, and corrosive gases
使用温度 Usage temperature	-10° C ~ +50° C
环境湿度 Ambient humidity	< 80% RH, 不凝露, 不结霜 <80% RH, no condensation, no frosting
震动 Vibration	最大不超过 5.7m/s2 Maximum not exceeding 5.7m/s2
保存 Preservation	-20 ~ +125° C, 避免灰尘, 最好使用原包装盒 -20~+125 °C, avoid dust, it is best to use the original packaging box

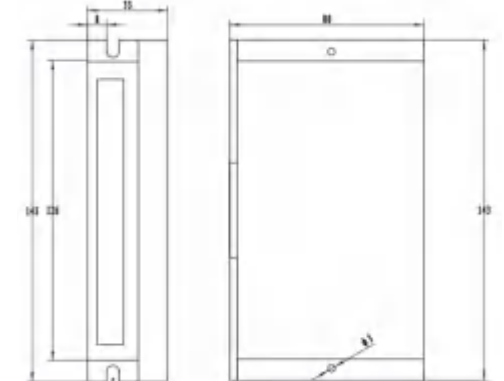
产品配置图 Porduct configuration diagram



产品特点 Porduct characteristics

- 支持不带霍尔传感器直流无刷电机以及带霍尔传感器直流无刷电机。
- 可应用于上位机 (PLC, 单片机, 触摸屏等)。
- 最大 1 : 75 调速比, 与 4 对级无刷直流电机配套时, 最低转速可达 45rpm/min。
- 电机级数越多, 调速比越宽。
- 灵活的霍尔磁极位置设定, 60° /300° /120° /240° 电角度可选, 适配不同规格电机。
- 提供多种调速方式: 面板电位器给定、模拟量输入端子给定以及外接电位器调速。
- 启动停止控制、正反转控制、刹车制动功能。
- 测速输出、报警输出信号 (光电隔离, OC 门输出)。
- 过流保护、过压保护 (≥ 60V)、欠压保护 (≤ 18V)、堵转保护、换相保护。
- 过温保护 (>85° C) 电机失控报警。合理散热设计, 减少驱动本身温升, 延长寿命。
- 高速力矩输出平稳, 转速稳定。
- Supports brushless DC motors without Hall sensors and brushless DC motors with Hall sensors.
- Can be applied to upper computers (PLC, microcontroller, touch screen, etc.).
- The maximum speed ratio is 1:75, and when paired with a 4-pair brushless DC motor, the minimum speed can reach 45rpm/min.
- The more stages of the motor, the wider the speed ratio.
- Flexible Hall pole position setting, with 60 ° /300 ° /120 ° /240 ° electrical angle options, suitable for motors of different specifications.
- Provide multiple speed control methods: panel potentiometer setting, analog input terminal setting, and external potentiometer speed control.
- Start stop control, forward and reverse control, and braking function.
- Speed measurement output, alarm output signal (photoelectric isolation, OC gate output).
- Overcurrent protection, overvoltage protection (≥ 60V), undervoltage protection (≤ 18V), locked rotor protection, commutation protection
- Over temperature protection (>85 ° C) motor loss of control alarm.
- Reasonable heat dissipation design reduces the temperature rise of the drive itself and extends its lifespan.
- The high-speed torque output is stable and the speed is stable.

机械安装图 Mechanical drawin



拨码设定 Dial code setting

SW1	ON	有霍尔 There is Hall		
	OFF	无霍尔 No Hall effect		
SW2	ON	电机磁极位置 Motor magnetic pole position		
	OFF	120°或 240°霍尔信号, 120°与 240°霍尔信号电机的差别在于旋转方向相反 120 ° or 240 ° Hall signal, the difference between 120 ° and 240 ° Hall signal motors is that the rotation direction is opposite.		
	ON	60°或 300°霍尔信号, 60°与 300°霍尔信号电机的差别在于旋转方向相反 The difference between a 60 ° or 300 ° Hall signal motor and a 60 ° or 300 ° Hall signal motor lies in the opposite direction of rotation		
SW3	指令来源 Instruction source	调速方法 Speed regulation method	指令形态 Command form	电流损耗 Current loss
	OFF	电位器 RV Potentiometer RV	顺时针增大转速, 逆时针减小转速。 Increase the speed clockwise and decrease the speed counterclockwise.	\
	ON	AVI 端子 AVI terminal	0 ~5V 模拟电压, 转速 45 ~ 额定转速 0~5V analog voltage, speed 45~rated speed.	≤ 5mA
	ON	AVI 端子 AVI terminal	PWM 脉宽调制信号 (频率调整) PWM pulse width modulation signal (frequency adjustment).	\
			模拟电压 Simulate voltage	
			变频调速 Frequency Control	

E 技术数据 Electrical Specifications

型号	Model	86BLF01	86BLF02	86BLF03	86BLF04
极数	Number of Poles	8	8	8	8
相数	Number of Phases	3	3	3	3
额定电压	Nominal Voltage (VDC)	48	48	48	48
额定转数	Rated speed (RPM)	3000	3000	3000	3000
额定力矩	Continuous Torque (N-m)	0.35	0.7	1.05	1.4
额定电流	Rated Current (Amps)	3.9	6.6	9.6	14
输出功率	Output Power (Watts)	110	220	330	440
峰值力矩	Peak Torque1 (N-m)	1.05	2.1	3.2	4.2
峰值电流	Peak Current (Amps)	10.8	19.8	29.0	38.0
力矩常数	Torque constant (N-m/Amps)	0.11	0.11	0.11	0.128
反电势常数	Back EMF (V/kRPM)	11.5	11.5	11.5	13.5
转动惯量	Rotor inertia (g · cm ²)	350	650	950	1250
机身长	Body Length (L) (mm)	57	67	81	94
重量	Mass (kg)	1.1	1.75	2.2	2.75
减速比/Reduction Ratio		1级减速比 4、5、7、10 L1=100.25mm 2级减速比 16、20、25、28、35、40、50、70、100 L2=119.75mm 3级减速比 64、80、100、125、140、175、245、350、400、500、700、1000 L3=140.75mm			

* 以上仅为代表性产品, 派生产品可根据客户要求制作。 We can manufacture products according to customer's requirement.



BLDC-6030 开环无刷电机驱动器
Open loop brushless motor driver



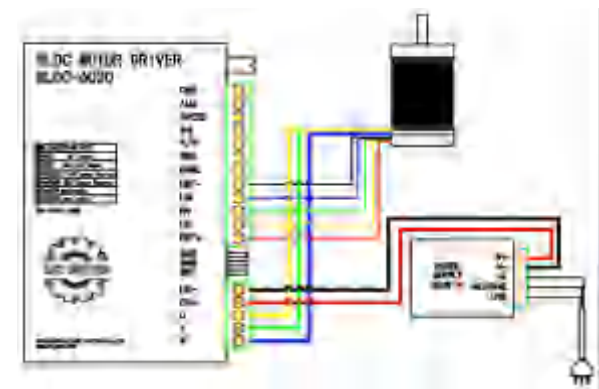
电气参数 Electrical parameter

输出电流 Output current	18 ~ 60V 直流电源供电, 容量: 根据电机功率选择 18~60VDC, capacity: selected according to motor power
驱动方式 Drive mode	额定 12A, 瞬时最大 45A (≤ 3s) Rated 12A, instantaneous maximum 45A (≤ 3s)
绝缘电阻 Insulation resistance	常温常压下 > 500MΩ Under normal temperature and pressure, >500M Ω
绝缘强度 Insulation strength	常温常压下 500V/分钟 500V/min at room temperature and pressure
重量 Weight	约 350 克 About 350g

环境要求 Environmental requirements

冷却方式 Cooling method	自然冷却 Natural cooling
使用场合 Application	避免粉尘、油雾及腐蚀性气体 Avoid dust, oil mist, and corrosive gases
使用温度 Usage temperature	-10° C ~ +50° C
环境湿度 Ambient humidity	< 80% RH, 不凝露, 不结霜 <80% RH, no condensation, no frosting
震动 Vibration	最大不超过 5.7m/s2 Maximum not exceeding 5.7m/s2
保存 Preservation	-20 ~ +125° C, 避免灰尘, 最好使用原包装盒 -20~+125 °C, avoid dust, it is best to use the original packaging box

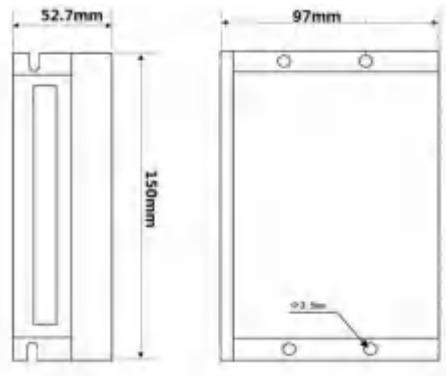
产品配置图 Porduct configuration diagram



产品特点 Porduct characteristics

- 支持不带霍尔传感器直流无刷电机以及带霍尔传感器直流无刷电机。
- 过流保护、过压保护 (≥ 60V)、欠压保护 (≤ 18V)、堵转保护、换相保护、过温保护 (>85°C)。
- 高速力矩输出平稳, 最高转速达 10000 rpm/min。
- 与 4 对级无刷直流电机配套时, 最低转速可达 60rpm/min。电机级数越多, 调速比越宽。
- 灵活的霍尔磁极位置设定, 60°/300°/120°/240° 电角度可选, 适配不同规格电机。
- 提供两种调速方式: 面板电位器给定、模拟量输入端子给定, 方便用户使用。
- 启停、快速制动、正反反转切换输入信号。
- 合理散热设计, 减少驱动本身温升, 延长寿命。
- 过流、过压、堵转、电机失控报警。
- Supports brushless DC motors without Hall sensors and brushless DC motors with Hall sensors.
- Overcurrent protection, overvoltage protection (≥ 60V), undervoltage protection (≤ 18V), locked rotor protection, commutation protection, and over temperature protection (>85 °C)
- The high-speed torque output is stable, with a maximum speed of 10000 rpm/min.
- When paired with a 4-pair brushless DC motor, the minimum speed can reach 60rpm/min. The more stages of the motor, the wider the speed ratio.
- Flexible Hall pole position setting, with 60°/300°/120°/240° electrical angle options, suitable for motors of different specifications.
- Provide two speed control methods: panel potentiometer setting and analog input terminal setting, convenient for users to use.
- Input signals for start stop, rapid braking, and forward/reverse switching.
- Reasonable heat dissipation design reduces the temperature rise of the drive itself and extends its lifespan.
- Alarm for overcurrent, overvoltage, locked rotor, and motor loss of control.

机械安装图 Mechanical drawin



拨码设定 Dial code setting

SW1	ON	有霍尔 There is Hall		
	OFF	无霍尔 No Hall effect		
SW2	ON	120°或 240°霍尔信号, 120°与 240°霍尔信号电机的差别在于旋转方向相反 120 ° or 240 ° Hall signal, the difference between 120 ° and 240 ° Hall signal motors is that the rotation direction is opposite.		
	OFF	60°或 300°霍尔信号, 60°与 300°霍尔信号电机的差别在于旋转方向相反 The difference between a 60 ° or 300 ° Hall signal motor and a 60 ° or 300 ° Hall signal motor lies in the opposite direction of rotation		
SW3	指令来源 Instruction source	调速方法 Speed regulation method	指令形态 Command form	电流损耗 Current loss
	OFF	电位器 RV Potentiometer RV	顺时针增大转速, 逆时针减小转速。 Increase the speed clockwise and decrease the speed counterclockwise.	-
	ON	AVI 端子 AVI terminal	0 ~ 5V 模拟电压, 转速 60 ~ 额定转速 0~5V analog voltage, speed 60~rated speed.	≤ 5mA
	ON	AVI 端子 AVI terminal	PWM 脉宽调制信号 (占空比调整) PWM pulse width modulation signal (duty cycle adjustment)	-

BLDC-8015 开环无刷电机驱动器
Open loop brushless motor driver



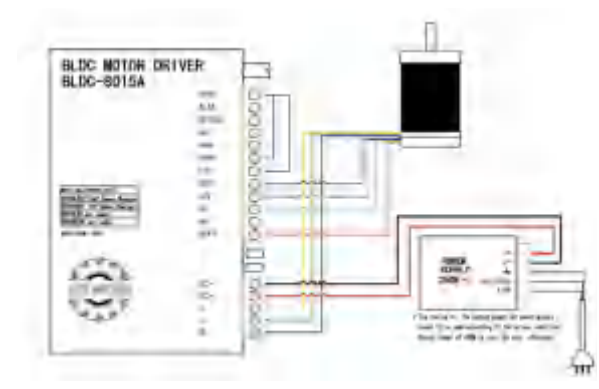
电气参数 Electrical parameter

输入电压 Input voltage	24~50VDC, 容量: 根据电机功率选择。 24-50VDC, capacity: selected according to motor power.
输出电流 Output current	额定 15A, 瞬时最大 45A (≤ 3s) Rated 15A, instantaneous maximum 45A (≤ 3s).
驱动方式 Drive mode	SPWM 正弦波驱动输出 SPWM sine wave drive output.
绝缘电阻 Insulation resistance	常温常压下 > 500MΩ Under normal temperature and pressure, it is greater than 500M Ω.
绝缘强度 Insulation strength	常温常压下 500V/分钟 500V/minute at room temperature and pressure.
重量 Weight	约 300g About 300g

环境要求 Environmental requirements

冷却方式 Cooling method	自然冷却 Natural cooling
使用场合 Application	避免粉尘、油雾及腐蚀性气体 Avoid dust, oil mist, and corrosive gases
使用温度 Usage temperature	-10° C ~ +50° C
环境湿度 Ambient humidity	< 80% RH, 不凝露, 不结霜 <80% RH, no condensation, no frosting
震动 Vibration	最大不超过 5.7m/s2 Maximum not exceeding 5.7m/s2
保存 Preservation	-20 ~ +125° C, 避免灰尘, 最好使用原包装盒 -20~+125 °C, avoid dust, it is best to use the original packaging box

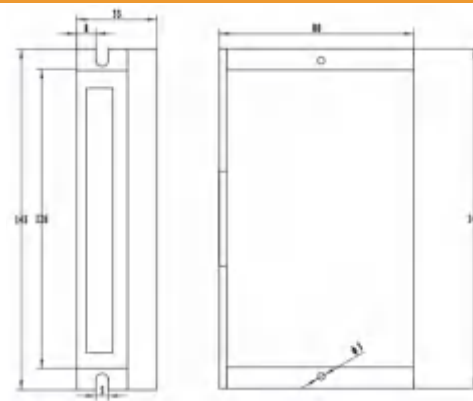
产品配置图 Porduct configuration diagram



产品特点 Porduct characteristics

- PWM 方波脉宽调制技术, 电流、速度双闭环, 低速力矩大, 运转平稳。
- 高速力矩输出平稳, 最高转速达 8000 rpm/min。
- 最大 1: 75 调速比, 与 4 对级无刷直流电机配套时, 最低转速可达 60rpm/min。
- 电机级数越多, 调速比越宽。
- 灵活的霍尔磁极位置设定, 60°/300°/120°/240°电角度可选, 适配不同规格电机。
- 提供两种调速方式: 面板电位器给定、模拟量输入端子给定, 方便用户使用。
- 启停、快速制动、正反反转切换输入信号 (光电隔离)。
- 测速输出、报警输出信号 (光电隔离, OC 门输出)。
- 过流、过压、堵转、电机失控报警。高启动转速, 高速力矩大。
- PWM square wave pulse width modulation technology, dual closed loop of current and speed, high low-speed torque, smooth operation.
- The high-speed torque output is stable, with a maximum speed of 8000 rpm/min.
- The maximum speed ratio is 1:75, and when paired with a 4-pair brushless DC motor, the minimum speed can reach 60rpm/min.
- The more stages of the motor, the wider the speed ratio.
- Flexible Hall pole position setting, with 60°/300°/120°/240° electrical angle options, suitable for motors of different specifications.
- Provide two speed control methods: panel potentiometer setting and analog input terminal setting, convenient for users to use.
- Input signals for start stop, rapid braking, and forward/reverse switching (optically isolated).
- Speed measurement output, alarm output signal (photoelectric isolation, OC gate output).
- Alarm for overcurrent, overvoltage, locked rotor, and motor loss of control. High starting speed, high torque at high speed.

机械安装图 Mechanical drawin



拨码设定 Dial code setting

SW1	ON	120°或 240°霍尔信号, 120°与 240°霍尔信号电机的差别在于旋转方向相反 120 ° or 240 ° Hall signal, the difference between 120 ° and 240 ° Hall signal motors is that the rotation direction is opposite.		
	OFF	60°或 300°霍尔信号, 60°与 300°霍尔信号电机的差别在于旋转方向相反 The difference between a 60 ° or 300 ° Hall signal motor and a 60 ° or 300 ° Hall signal motor lies in the opposite direction of rotation		
SW2	指令来源 Instruction source	调速方法 Speed regulation method	指令形态 Command form	电流损耗 Current loss
	ON	电位器 RV Potentiometer RV	顺时针增大转速, 逆时针减小转速。 Increase the speed clockwise and decrease the speed counterclockwise.	-
	OFF	AVI 端子 AVI terminal	0~5V 模拟电压, 转速 60~额定转速 0~5V analog voltage, speed 60~rated speed.	≤ 5mA
	OFF	AVI 端子 AVI terminal	PWM 脉宽调制信号 (占空比调整) PWM pulse width modulation signal (duty cycle adjustment)	-



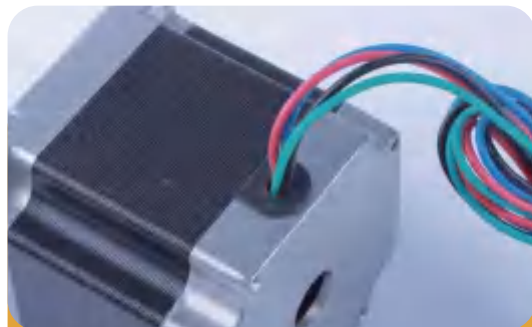
企业证书 CERTIFICATES



LEAD WIRE MODE



Connector & Leadwire Open
插针接线



Leadwire Open Type
引线



Leadwire & Connector Closed
引线带接插线

LEAD WIRE MODE

接线方式

ACT MOTOR

专业研发，生产销售

步进电机、直流无刷电机、减速箱电机、伺服电机、直线电机等各种电机以及驱动控制系统！

Professional devdlopment,production,sale stepping motor,brushlessDC Motor, geared motor,servo motor,linear motor etc & matching drivers!



MOTOR

