

ZLTECH PRODUCT CATALOGUE



中菱科技
ZHONGLING TECHNOLOGY

2021中菱科技
产品手册 V21

专注 | 创新 | 厚德 | 务实



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企业简介 Company Profile

深圳中菱科技有限公司自成立以来,一直专注于工业自动化产品,是一家以研发、生产、销售为一体的高新科技公司。

公司汇集了一大批长期从事机电领域的研发精英,锲而不舍地为各工业自动化、机器人厂商提供高性价比的自动化产品,因为我们知道更好的产品来自务实和不断创新。

中菱科技以品质至上为生命线,以服务为灵魂,以创新为原动力,为客户提供一流的产品和解决方案,让每一位合作伙伴都可以放心使用我们的产品。

中菱科技的产品主要包括一体化开/闭环步进电机、机器人AGV轮毂伺服电机、数字式步进系列、数字式闭环步进系列、低压直流伺服系列等,产品已广泛服务并应用于国内外近千家智能制造装备公司,中菱科技愿与您共同发展,一路前行!

Shenzhen ZhongLing Technology Co., Ltd. (ZLTECH) has been focusing on industrial automation product since its establishment. It is a high-tech company integrated R&D, production and sales.

ZLTECH brings together a large number of elite R&D elites who have been engaged in the electromechanical field for a long time, and perseveringly provide high-cost automation product for industrial automation and robot manufacturers, as we know that better product comes from pragmatic and continuous innovation.

ZLTECH takes quality as the lifeline, service as the soul, and innovation as the driving force to provide customer with first-class product and solution, so that every partner could use our product with confidence.

ZLTECH product mainly includes integrated step-servo motor, robot/AGV hub servo motor, digital stepper series, digital closed-loop stepper series, and low voltage DC servo motor series, etc. ZLTECH product has been widely served and applied to nearly a thousand intelligent manufacturing equipment companies at home and abroad, ZLTECH is willing to develop with you and move forward!

FOCUS ON INDUSTRIAL AUTOMATION PRODUCTS

企业愿景:成为最优秀的自动化品牌,服务于人类的智能制造

经营理念:艰苦奋斗、精益求精、追求卓越

服务理念:为客户创造价值

核心价值观:专注、创新、厚德、务实

Company Vision:

Become the best automation brand, and serve human intelligent manufacturing

Business Philosophy:

Struggle hard, Strive for perfection, Strive for excellence

Service Concept:

Create value for customer

Core Value:

Focus, innovation, deep virtue, seek truth from facts



企业资质/专利

Qualification & Patent



高新技术企业证书 High-tech Enterprise Certification



ISO 9001



RoHS认证 RoHS Certification



Ce认证 CE Certification



实用新型专利证书 Utility Model Patent Certification

国家高新
技术企业

National High-tech Enterprises

ISO 9001认证

ISO 9001 Certification

CE、RoHS认证

CE、RoHS Certification

专利证书
30+

30+ Patent Certification

知名合作品牌

Cooperation



服务客户 Serve customers
1000+



行业应用

Industry Application



智能机器人

Smart Robot

送餐机器人
无人清扫机器人
医疗机器人
巡检机器人
农耕机器人
AGV车
无人配送机器人

医疗装备

Medical Equipment

生化分析仪
血液分析仪
尿液分析仪
口罩机



电子制造装备

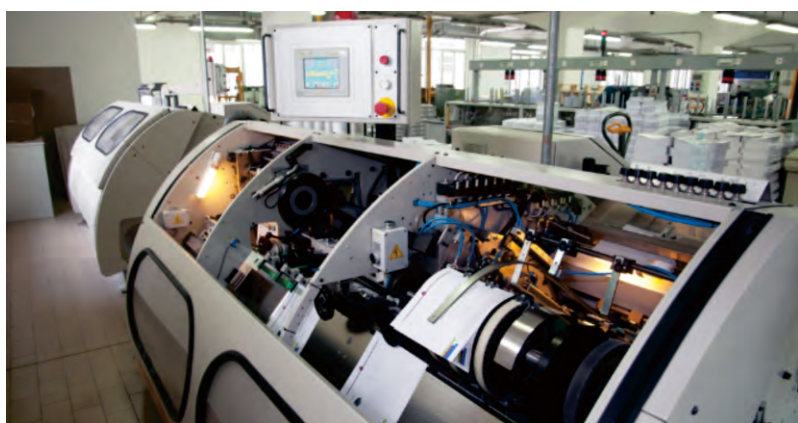
Electronic Manufacturing Equipment

锂电池设备
SMT封装贴片
LED半导体
手机3C设备
点胶设备



特种机床 Special Machine Tools

激光打标机
激光切割机
雕刻机
磨具冲压机
数控机床



印刷喷绘装备 Printing Inkjet Equipment

写真设备
UV平板打印机
数码纺织印花机
喷绘设备

纺织服装装备 Textile & Clothing Equipment

服装打样机
模板切割机
样板裁切机
电脑切绘机
立式喷切机



工业机器人 Industrial Robot

SCARA机械手
注塑机械手
冲压机械手
多关节工业机器人



生产/检测设备

Production/Testing Equipment



生产设备

Production Equipment

静音端子机, 精密压力机, 全自动多功能电脑剥线机, 精密电子调温焊台, 可调恒温熔锡炉, 绕线机, 螺丝机, 自动焊锡机, 轴承组装机

Mute terminal machine, precision press, automatic multi-function computer wire stripping machine, precision electronic temperature regulating welding station, adjustable constant temperature tin melting furnace, winding machine, screw machine, automatic soldering machine, bearing assembly machine

检测设备

Testing Equipment

匝间冲击耐压测试仪, 耐电高压测试仪, 数位示波器, LCR数字电桥, 调数变压器, 脉冲测试仪, 电机测试系统, 电机爬坡测试台, 电机综合测试仪

Turn-to-turn impact voltage tester, high voltage tester, digital oscilloscope, LCR digital bridge, tuner transformer, pulse tester, motor test system, motor climbing test bench, motor integrated tester



机器人/AGV轮毂伺服系列

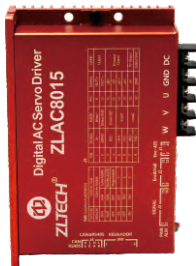
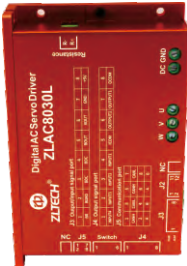
Robot/AGV Hub Servo Series



► 轮毂伺服电机驱动器命名规则 Servo Driver Part Number

示例 Example	ZL AC 80 15 - D ① ② ③ ④ ⑤				
①	ZL:中菱科技		ZL:Shenzhen ZhongLing Technology Co., Ltd.		
②	AC:交流		AC:Alternating Current		
③	80:最高输入电压 (80:80V)		80:Max Input Voltage (80: 80V)		
④	15:额定输出电流 (15:15A)		15:Rated Output Current (15:15A)		
⑤	缺省:单路输出 D:双路输出		Default: Single Channel D: Dual Channel		

► 轮毂伺服电机驱动器选型 Servo Driver Selection

型号 Model	ZLAC8015	ZLAC8015D	ZLAC8030	ZLAC8030L
实拍图 Photo				
工作电压 (V) Working Voltage	24V-48VDC	24V-48VDC	24V-80VDC	24V-48VDC
输出电流 (A) Output Current	单路输出 均值 15A 峰值 30A Rated 15A Max 30A	双路输出 均值 15A 峰值 30A Rated 15A Max 30A	单路输出 均值 30A 峰值 90A Rated 30A Max 90A	单路输出 均值 30A 峰值 60A Rated 30A Max 60A
控制方式 Control Method	Single Channel CANOpen, RS485	Dual Channel CANOpen, RS485	Single Channel 脉冲、模拟量、 RS232、CANOpen	Single Channel CANOpen, RS485
外形尺寸 (mm) Dimension	118x76x34	150x97x31	167x100x34.8	149.6x97x30.8
适配轮毂伺服电机 Matching Hub Servo Motor	500W以下轮毂伺服电机 Hub Servo Motor with Power less than 500W	500W以下轮毂伺服电机 Hub Servo Motor with Power less than 500W	大功率款轮毂伺服电机 High Power Hub Servo Motor	大功率款轮毂伺服电机 High Power Hub Servo Motor

► 轮毂伺服电机命名规则 Hub Servo Motor Part Number

示例 Example	ZL LG 65 ASM 250 单/双轴					
	①	②	③	④	⑤	⑥
①	ZL: 中菱科技			ZL: Shenzhen ZhongLing Technology Co., Ltd.		
②	LG: 轮毂伺服电机			LG: Hub Servo Motor		
③	65: 电机尺寸 (35: 3.5寸, 65: 6.5寸, 10: 10寸)			65: Wheel Size, 6.5 inch		
④	ASM: 低压交流伺服			ASM: Low Voltage Servo		
⑤	250: 功率 (100-100W, 200-200W, 250-250W)			250: Power (100-100W, 200-200W, 250-250W)		
⑥	单/双轴: 是单轴/双轴			Single/Double Shaft		
⑦	: 特殊定制型号			: Special Customized Model		

► 轮毂伺服电机选型 Hub Servo Motor Selection

型号 Model	ZLLG40ASM100(单轴) Single shaft	ZLLG40ASM100(双轴) Double shaft	ZLLG45ASM200(双轴) Double shaft	ZLLG45ASM200(双轴花纹) Double shaft
实拍图 Photo				
外径尺寸(mm) Wheel Diameter(mm)	107	107	123	128
轮胎 Tire	橡胶 Rubber	橡胶 Rubber	橡胶无花纹 No-Pattern Rubber	橡胶花纹 Pattern Rubber
额定电压 (VDC) Rated Voltage (VDC)	24	24	24	24
额定功率 (W) Rated Power (W)	100	100	200	200
额定扭矩 (N.m) Rated Torque (N.m)	3	3	6	6
峰值扭矩 (N.m) Peak Torque (N.m)	6	6	12	12
额定电流 (A) Rated Current (A)	8	8	15	15
峰值电流(A) Peak Current (A)	16	16	30	30
额定转速 (RPM) Rated Speed (RPM)	280	280	300	300
最大转速 (RPM) Max Speed (RPM)	400	400	400	400
极对数 (对) Poles No (Pair)	10	10	10	10
编码器 Encoder	1024/2500/4096/10384 Lines, or Absolute Value Encoder	1024 Lines	1024 Lines	1024 Lines
防护等级 Protection Level	IP54	IP54	IP54	IP65
绝缘电压(V) Insulation Voltage(V)	DC500V, >20MΩ	DC500V, >20MΩ	DC500V, >20MΩ	DC500V, >20MΩ
环境温度 (°C) Ambient Temperature (°C)	-20~+40	-20~+40	-20~+40	-20~+40
环境湿度 (%) Ambient Humidity (%)	20~80	20~80	20~80	20~80
重量(KG) Weight(KG)	1.45	1.5	2.9	3.0
负载(KG/2台电机) Payload(KG/2Motors)	50	50	150	150
适配驱动器 Matching Driver	ZLAC8015、ZLAC8015D	ZLAC8015、ZLAC8015D	ZLAC8015、ZLAC8015D	ZLAC8015、ZLAC8015D

支持各种规格及要求定制! (Support customization of various specifications and requirements!)

型号 Model	ZLLG50ASM200(单轴) Single shaft	ZLLG50ASM200(双轴) Double shaft	ZLLG55ASM150(单轴) Single shaft	ZLLG55ASM150(双轴) Double shaft
实拍图 Photo				
外径尺寸(mm) Wheel Diameter(mm)	130	130	139	139
轮胎 Tire	橡胶 Rubber	橡胶 Rubber	橡胶 Rubber	橡胶 Rubber
额定电压 (VDC) Rated Voltage (VDC)	24	24	24	24
额定功率 (W) Rated Power (W)	150	150	150	150
额定扭矩 (N.m) Rated Torque (N.m)	3.2	3.2	3.2	3.2
峰值扭矩 (N.m) Peak Torque (N.m)	6.4	6.4	6.4	6.4
额定电流 (A) Rated Current (A)	8	8	8	8
峰值电流(A) Peak Current (A)	16	16	16	16
额定转速 (RPM) Rated Speed (RPM)	400	400	400	400
最大转速 (RPM) Max Speed (RPM)	500	500	500	500
极对数 (对) Poles No (Pair)	10	10	10	10
编码器 Encoder	1024/2500/4096/10384 Lines, or Absolute Value Encoder	1024 Lines	1024/2500/4096/10384 Lines, or Absolute Value Encoder	1024 Lines
防护等级 Protection Level	IP54	IP54	IP54	IP54
绝缘电压(V) Insulation Voltage(V)	DC500V, >20MΩ	DC500V, >20MΩ	DC500V, >20MΩ	DC500V, >20MΩ
环境温度 (°C) Ambient Temperature (°C)	-20~+40	-20~+40	-20~+40	-20~+40
环境湿度 (%) Ambient Humidity (%)	20~80	20~80	20~80	20~80
重量(KG) Weight(KG)	1.95	2.0	2.0	2.05
负载(KG/2台电机) Payload(KG/2Motors)	60	60	60	60
适配驱动器 Matching Driver	ZLAC8015、ZLAC8015D	ZLAC8015、ZLAC8015D	ZLAC8015、ZLAC8015D	ZLAC8015、ZLAC8015D

支持各种规格及要求定制! (Support customization of various specifications and requirements!)

型号 Model	ZLLG65ASM250(单轴) Single shaft	ZLLG65ASM250-L(单轴) Single shaft	ZLLG65ASM250-L(双轴) Double shaft	ZLLG65ASM250-4096(单轴) Single shaft
实拍图 Photo				
外径尺寸(mm) Wheel Diameter(mm)	170	170	170	173(橡胶轮胎) 171.5(无痕橡胶) 170(聚氨酯PU)
轮胎 Tire	橡胶 Rubber	橡胶 Rubber	橡胶 Rubber	橡胶/聚氨酯(PU) Rubber/PU
额定电压 (VDC) Rated Voltage (VDC)	36/48	24	24	24-48
额定功率 (W) Rated Power (W)	250	150	150	350
额定扭矩 (N.m) Rated Torque (N.m)	5	6.5	6.5	8
峰值扭矩 (N.m) Peak Torque (N.m)	10	13	13	16
额定电流 (A) Rated Current (A)	17	4	4	8
峰值电流(A) Peak Current (A)	34	8	8	16
额定转速 (RPM) Rated Speed (RPM)	400	200	200	200
最大转速 (RPM) Max Speed (RPM)	600	260	260	300
极对数 (对) Poles No (Pair)	15	15	15	15
编码器 Encoder	1024/2500/4096/10384 Lines, or Absolute Value Encoder	1024 Lines	1024 Lines	1024/2500/4096/10384 Lines, or Absolute Value Encoder
防护等级 Protection Level	IP54	IP54	IP54	IP65
绝缘电压(V) Insulation Voltage(V)	DC500V, >20MΩ	DC500V, >20MΩ	DC500V, >20MΩ	DC500V, >20MΩ
环境温度 (°C) Ambient Temperature (°C)	-20~+40	-20~+40	-20~+40	-20~+40
环境湿度 (%) Ambient Humidity (%)	20~80	20~80	20~80	20~80
重量(KG) Weight(KG)	2.95	2.95	3.0	3.75
负载(KG/2台电机) Payload(KG/2Motors)	100	120	120	150
适配驱动器 Matching Driver	ZLAC8015、ZLAC8015D	ZLAC8015、ZLAC8015D	ZLAC8015、ZLAC8015D	ZLAC8015、ZLAC8015D

支持各种规格及要求定制! (Support customization of various specifications and requirements!)

型号 Model	ZLLG65ASM500(单轴) Single shaft	ZLLG65ASM500(双轴) Double shaft	ZLLG80ASM250(单轴) Single shaft	ZLLG80ASM250-L(单轴) Single shaft
实拍图 Photo				
外径尺寸(mm) Wheel Diameter(mm)	165	165	200	200
轮胎 Tire	聚氨酯(PU) PU	聚氨酯(PU) PU	橡胶 Rubber	橡胶 Rubber
额定电压 (VDC) Rated Voltage (VDC)	48	48	36/48	24
额定功率 (W) Rated Power (W)	500	500	250	150
额定扭矩 (N.m) Rated Torque (N.m)	10	10	5	6.5
峰值扭矩 (N.m) Peak Torque (N.m)	30	30	10	13
额定电流 (A) Rated Current (A)	17	17	17	4
峰值电流(A) Peak Current (A)	34	34	34	8
额定转速 (RPM) Rated Speed (RPM)	200	200	400	200
最大转速 (RPM) Max Speed (RPM)	300	300	600	260
极对数 (对) Poles No (Pair)	15	15	15	15
编码器 Encoder	1024/2500/4096/10384 Lines, or Absolute Value Encoder	1024 Lines	1024/2500/4096/10384 Lines, or Absolute Value Encoder	1024/2500/4096/10384 Lines, or Absolute Value Encoder
防护等级 Protection Level	IP65	IP65	IP54	IP54
绝缘电压(V) Insulation Voltage(V)	DC500V, >20MΩ	DC500V, >20MΩ	DC500V, >20MΩ	DC500V, >20MΩ
环境温度 (°C) Ambient Temperature (°C)	-20~+40	-20~+40	-20~+40	-20~+40
环境湿度 (%) Ambient Humidity (%)	20~80	20~80	20~80	20~80
重量(KG) Weight(KG)	4.85	4.85	3.4	3.4
负载(KG/2台电机) Payload(KG/2Motors)	200	200	100	120
适配驱动器 Matching Driver	ZLAC8015、ZLAC8030L	ZLAC8015、ZLAC8030L	ZLAC8015、ZLAC8015D	ZLAC8015、ZLAC8015D

支持各种规格及要求定制! (Support customization of various specifications and requirements!)

型号 Model	ZLLG80ASM250-L(双轴) Double shaft	ZLLG80ASM250-4096(单轴) Single shaft	ZLLG80ASM800(单轴) Single shaft	ZLLG80ASM800(双轴) Double shaft
实拍图 Photo				
外径尺寸(mm) Wheel Diameter(mm)	200	200(橡胶轮胎) 206(聚氨酯PU)	200	200
轮胎 Tire	橡胶 Rubber	蜂窝孔橡胶/聚氨酯(PU) Rubber with hole/PU	聚氨酯(PU) PU	聚氨酯(PU) PU
额定电压 (VDC) Rated Voltage (VDC)	24	24-48	48	48
额定功率 (W) Rated Power (W)	150	350	800	800
额定扭矩 (N.m) Rated Torque (N.m)	6.5	8	40	40
峰值扭矩 (N.m) Peak Torque (N.m)	13	16	80	80
额定电流 (A) Rated Current (A)	4	8	20	20
峰值电流(A) Peak Current (A)	8	16	40	40
额定转速 (RPM) Rated Speed (RPM)	200	200	200	200
最大转速 (RPM) Max Speed (RPM)	260	300	300	300
极对数 (对) Poles No (Pair)	15	15	20	20
编码器 Encoder	1024 Lines	1024/2500/4096/10384 Lines, or Absolute Value Encoder	1024/2500/4096/10384 Lines, or Absolute Value Encoder	1024 Lines
防护等级 Protection Level	IP54	IP65	IP65	IP65
绝缘电压(V) Insulation Voltage(V)	DC500V, >20MΩ	DC500V, >20MΩ	DC500V, >20MΩ	DC500V, >20MΩ
环境温度 (°C) Ambient Temperature (°C)	-20~+40	-20~+40	-20~+40	-20~+40
环境湿度 (%) Ambient Humidity (%)	20~80	20~80	20~80	20~80
重量(KG) Weight(KG)	3.45	4.25	8.5	8.5
负载(KG/2台电机) Payload(KG/2Motors)	120	150	300	300
适配驱动器 Matching Driver	ZLAC8015、ZLAC8015D	ZLAC8015、ZLAC8015D	ZLAC8030、ZLAC8030L	ZLAC8030、ZLAC8030L

支持各种规格及要求定制! (Support customization of various specifications and requirements!)

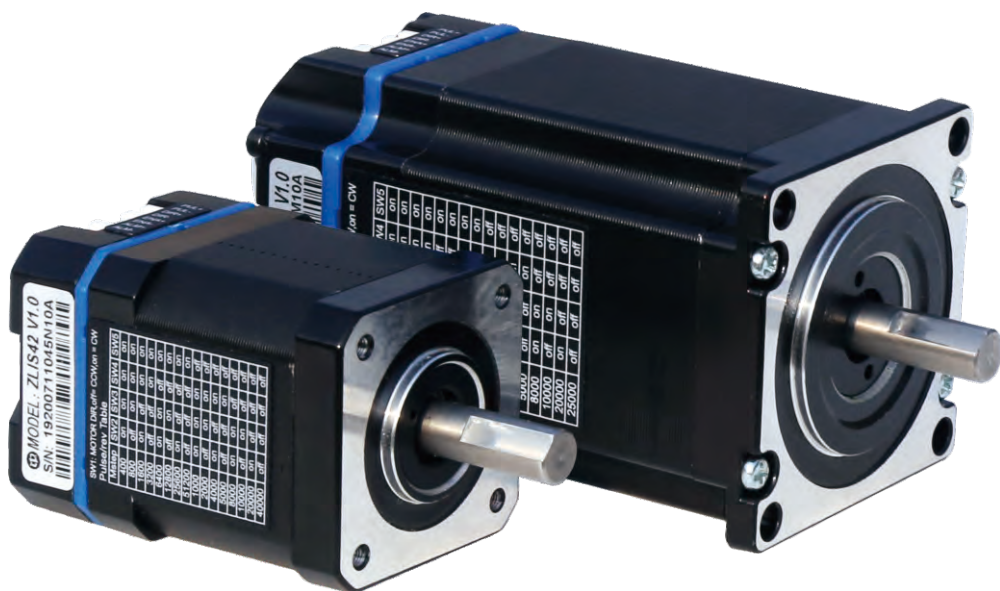
型号 Model	ZLLG10ASM800(单轴) Single shaft	ZLLG10ASM800(双轴) Double shaft	ZLLG10ASM800-R(单轴) Single shaft	ZLLG10ASM800-R(双轴) Double shaft
实拍图 Photo				
外径尺寸(mm) Wheel Diameter(mm)	266	266	253	253
轮胎 Tire	蜂窝孔橡胶 Rubber with hole	蜂窝孔橡胶 Rubber with hole	橡胶/聚氨酯(PU) Rubber/PU	橡胶/聚氨酯(PU) Rubber/PU
额定电压 (VDC) Rated Voltage (VDC)	48	48	48	48
额定功率 (W) Rated Power (W)	800	800	800	800
额定扭矩 (N.m) Rated Torque (N.m)	40	40	40	40
峰值扭矩 (N.m) Peak Torque (N.m)	80	80	80	80
额定电流 (A) Rated Current (A)	20	20	20	20
峰值电流(A) Peak Current (A)	40	40	40	40
额定转速 (RPM) Rated Speed (RPM)	200	200	200	200
最大转速 (RPM) Max Speed (RPM)	300	300	300	300
极对数 (对) Poles No (Pair)	20	20	20	20
编码器 Encoder	1024/2500/4096/10384 Lines, or Absolute Value Encoder	1024 Lines	1024/2500/4096/10384 Lines, or Absolute Value Encoder	1024 Lines
防护等级 Protection Level	IP65	IP65	IP65	IP65
绝缘电压(V) Insulation Voltage(V)	DC500V, >20MΩ	DC500V, >20MΩ	DC500V, >20MΩ	DC500V, >20MΩ
环境温度 (°C) Ambient Temperature (°C)	-20~+40	-20~+40	-20~+40	-20~+40
环境湿度 (%) Ambient Humidity (%)	20~80	20~80	20~80	20~80
重量(KG) Weight(KG)	9.5	9.5	9	9
负载(KG/2台电机) Payload(KG/2Motors)	300	300	300	300
适配驱动器 Matching Driver	ZLAC8030, ZLAC8030L	ZLAC8030, ZLAC8030L	ZLAC8030, ZLAC8030L	ZLAC8030, ZLAC8030L

支持各种规格及要求定制! (Support customization of various specifications and requirements!)

型号 Model	ZLLG13ASM800(单轴) Single shaft	ZLLG14ASM800(单轴) Single shaft	ZLLG15ASM800(单轴) Single shaft	ZLLG16ASM800(单轴) Single shaft
实拍图 Photo				
外径尺寸(mm) Wheel Diameter(mm)	337.4	358	388	398
轮胎 Tire	充气橡胶 Pneumatic Rubber	充气橡胶 Pneumatic Rubber	充气橡胶 Pneumatic Rubber	充气橡胶 Pneumatic Rubber
额定电压 (VDC) Rated Voltage (VDC)	48	48	48	48
额定功率 (W) Rated Power (W)	800	800	800	800
额定扭矩 (N.m) Rated Torque (N.m)	15	15	15	15
峰值扭矩 (N.m) Peak Torque (N.m)	45	45	45	45
额定电流 (A) Rated Current (A)	10	10	10	10
峰值电流(A) Peak Current (A)	30	30	30	30
额定转速 (RPM) Rated Speed (RPM)	200	200	200	200
最大转速 (RPM) Max Speed (RPM)	300	300	300	300
极对数 (对) Poles No (Pair)	20	20	20	20
编码器 Encoder	1024/2500/4096/10384 Lines, or Absolute Value Encoder	1024/2500/4096/10384 Lines, or Absolute Value Encoder	1024/2500/4096/10384 Lines, or Absolute Value Encoder	1024/2500/4096/10384 Lines, or Absolute Value Encoder
防护等级 Protection Level	IP54	IP54	IP54	IP54
绝缘电压(V) Insulation Voltage(V)	DC500V, >20MΩ	DC500V, >20MΩ	DC500V, >20MΩ	DC500V, >20MΩ
环境温度 (°C) Ambient Temperature (°C)	-20~+40	-20~+40	-20~+40	-20~+40
环境湿度 (%) Ambient Humidity (%)	20~80	20~80	20~80	20~80
重量(KG) Weight(KG)	9.55	9.6	9.7	10.15
负载(KG/2台电机) Payload(KG/2Motors)	200	200	200	200
适配驱动器 Matching Driver	ZLAC8030、ZLAC8030L	ZLAC8030、ZLAC8030L	ZLAC8030、ZLAC8030L	ZLAC8030、ZLAC8030L

一体化开/闭环步进电机系列

Integrated Step-servo Motor Series



► 一体化开/闭环步进电机命名规则

Integrated Step-Servo Motor Part Number

示例 Example	ZL IM 42 C 05-*** ① ② ③ ④ ⑤ ⑥					
①	ZL:中菱科技			ZL:Shenzhen ZhongLing Technology Co., Ltd.		
②	IM:开环 (IS:闭环、IV:伺服)			IM: Integrated Step-Servo Motor without Encoder, IS: Integrated Step-Servo Motor with Encoder, IV: Integrated Servo Motor		
③	42:机座号(电机安装尺寸代码,例如57代表57机座)			42 : Motor Size, 42mm(Nema17); 57 : Motor Size, 57mm(Nema23)		
④	C:CANopen (通讯方式, 省缺:脉冲/方向)			C : CANOpen Control Method; Default : Pulse Control Method		
⑤	05:扭矩 (05:0.5N.m, 07:0.7N.m, 12:1.2N.m)			05 : Holding Torque (05:0.5N.m, 07:0.7N.m, 12:1.2N.m)		
⑥	***:定制型号			***:Special Customized Model		

► 一体化开环步进电机选型 Integrated Step-Servo Motor Selection

型号 Model	ZLIM42-05	ZLIM42-07	ZLIM57-09	ZLIM57-20
实拍图 Photo				
步距角 Step Angle	1.8°	1.8°	1.8°	1.8°
工作 (VDC) Input Voltage(VDC)	18-36	18-36	24-48	24-48
输出电流峰值(A) Output Peak Current (A)	1.2	1.2	3	3
信号频率(Hz) Step Signal Frequency(Hz)	0-200k	0-200k	0-200k	0-200k
控制信号输入电流(mA) Control Signal Input Current(mA)	10	10	10	10
过电压保护(VDC) Over-Voltage Protection(VDC)	50	50	55	55
输入信号电压(VDC) Input Signal Voltage(VDC)	5-24	5-24	5-24	5-24
轴径(mm) Shaft Diameter(mm)	5/8	5/8	8	8
轴长(mm) shaft Length(mm)	24	24	20.6	20.6
保持力矩(N.m) Holding Torque(N.m)	0.5	0.7	0.9	2
编码器 Encoder	/	/	/	/
绝缘电阻(MΩ) Insulation Resistance(MΩ)	100	100	100	100
使用环境温度(°C) Operating Temperature(°C)	0~50	0~50	0~50	0~50
环境湿度 Ambient Humidity	90% RH	90% RH	90% RH	90% RH
贮藏温度(°C) Storage Temperature(°C)	-10~70	-10~70	-10~70	-10~70
震动频率 Vibration	10~55Hz/0.15mm	10~55Hz/0.15mm	10~55Hz/0.15mm	10~55Hz/0.15mm
重量(g) Weight(g)	430	430	1130	1130
机身长度(mm) Motor Length(mm)	70	82	78.5	99.5
电机总长度(mm) Motor Total Length(mm)	94	106	99.1	120.1

型号 Model	ZLIM42C-05	ZLIM42C-07	ZLIM57C-09	ZLIM57C-20
实拍图 Photo				
步距角 Step Angle	1.8°	1.8°	1.8°	1.8°
工作 (VDC) Input Voltage(VDC)	18-36	18-36	24-48	24-48
输出电流峰值(A) Output Peak Current (A)	1.5	1.5	3	3
信号频率(Hz) Step Signal Frequency(Hz)	0-200k	0-200k	0-200k	0-200k
控制信号输入电流(mA) Control Signal Input Current(mA)	10	10	10	10
过电压保护(VDC) Over-Voltage Protection(VDC)	50	50	55	55
输入信号电压(VDC) Input Signal Voltage(VDC)	5-24	5-24	5-24	5-24
轴径(mm) Shaft Diameter(mm)	5/8	5/8	8	8
轴长(mm) shaft Length(mm)	24	24	20.6	20.6
保持力矩(N.m) Holding Torque(N.m)	0.5	0.7	0.9	2
编码器 Encoder	/	/	/	/
绝缘电阻(MΩ) Insulation Resistance(MΩ)	100	100	100	100
使用环境温度(°C) Operating Temperature(°C)	0~50	0~50	0~50	0~50
环境湿度 Ambient Humidity	90% RH	90% RH	90% RH	90% RH
贮藏温度(°C) Storage Temperature(°C)	-10~70	-10~70	-10~70	-10~70
震动频率 Vibration	10~55Hz/0.15mm	10~55Hz/0.15mm	10~55Hz/0.15mm	10~55Hz/0.15mm
重量(g) Weight(g)	430	430	1130	1130
机身长度(mm) Motor Length(mm)	70	82	78.5	99.5
电机总长度(mm) Motor Total Length(mm)	94	106	99.1	120.1

► 一体化闭环步进电机选型 Integrated Closed-Loop Step-Servo Motor Selection

型号 Model	ZLIS42-05	ZLIS42-07	ZLIS57-10	ZLIS57-20
实拍图 Photo				
步距角 Step Angle	1.8°	1.8°	1.8°	1.8°
工作 (VDC) Input Voltage(VDC)	18-36	18-36	24-48	24-48
输出电流峰值(A) Output Peak Current (A)	1.2	1.2	3	3
信号频率(Hz) Step Signal Frequency(Hz)	0-200k	0-200k	0-200k	0-200k
控制信号输入电流(mA) Control Signal Input Current(mA)	10	10	10	10
过电压保护(VDC) Over-Voltage Protection(VDC)	50	50	55	55
输入信号电压(VDC) Input Signal Voltage(VDC)	5-24	5-24	5-24	5-24
轴径(mm) Shaft Diameter(mm)	5/8	5/8	8	8
轴长(mm) shaft Length(mm)	24	24	20.6	20.6
保持力矩(N.m) Holding Torque(N.m)	0.5	0.7	1	2
编码器 Encoder	1000线 1000-Lines	1000线 1000-Lines	1000线 1000-Lines	1000线 1000-Lines
绝缘电阻(MΩ) Insulation Resistance(MΩ)	100	100	100	100
使用环境温度(°C) Operating Temperature(°C)	0~50	0~50	0~50	0~50
环境湿度 Ambient Humidity	90% RH	90% RH	90% RH	90% RH
贮藏温度(°C) Storage Temperature(°C)	-10~70	-10~70	-10~70	-10~70
震动频率 Vibration	10~55Hz/0.15mm	10~55Hz/0.15mm	10~55Hz/0.15mm	10~55Hz/0.15mm
重量(g) Weight(g)	430	430	1130	1130
机身长度(mm) Motor Length(mm)	70	82	78.5	99.5
电机总长度(mm) Motor Total Length(mm)	94	106	99.1	120.1

型号 Model	ZLIS42C-05	ZLIS42C-07	ZLIS57C-10	ZLIS57C-20
实拍图 Photo				
步距角 Step Angle	1.8°	1.8°	1.8°	1.8°
工作 (VDC) Input Voltage(VDC)	18-36	18-36	24-48	24-48
输出电流峰值(A) Output Peak Current (A)	1.5	1.5	3	3
信号频率(Hz) Step Signal Frequency(Hz)	0-200k	0-200k	0-200k	0-200k
控制信号输入电流(mA) Control Signal Input Current(mA)	10	10	10	10
过电压保护(VDC) Over-Voltage Protection(VDC)	50	50	55	55
输入信号电压(VDC) Input Signal Voltage(VDC)	5-24	5-24	5-24	5-24
轴径(mm) Shaft Diameter(mm)	5/8	5/8	8	8
轴长(mm) shaft Length(mm)	24	24	20.6	20.6
保持力矩(N.m) Holding Torque(N.m)	0.5	0.7	1	2
编码器 Encoder	2500线 2500-Lines	2500线 2500-Lines	2500线 2500-Lines	2500线 2500-Lines
绝缘电阻(MΩ) Insulation Resistance(MΩ)	100	100	100	100
使用环境温度(°C) Operating Temperature(°C)	0~50	0~50	0~50	0~50
环境湿度 Ambient Humidity	90% RH	90% RH	90% RH	90% RH
贮藏温度(°C) Storage Temperature(°C)	-10~70	-10~70	-10~70	-10~70
震动频率 Vibration	10~55Hz/0.15mm	10~55Hz/0.15mm	10~55Hz/0.15mm	10~55Hz/0.15mm
重量(g) Weight(g)	430	430	1130	1130
机身长度(mm) Motor Length(mm)	70	82	78.5	99.5
电机总长度(mm) Motor Total Length(mm)	94	106	99.1	120.1

数字式步进系列

Digital Stepper Series



► 数字式步进驱动器命名规则

Digital Stepper Driver Part Number

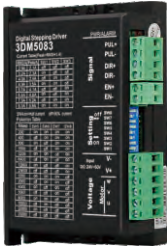
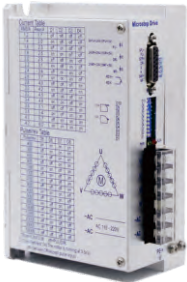
示例	<u>3</u>	<u>DM</u>	<u>50</u>	<u>83</u>	<u>- ***</u>
	①	②	③	④	⑤
①	3:三相 (2:二相 省缺 5:五相)		3:3-Phase (2: 2-Phase, default, 5: 5-Phase)		
②	DM:全数字式 (MD:混合式, HD:数字式高速驱动)		DM:All Digital (MD: Hybrid, HD: Digital High Speed Driver)		
③	50:最高输入电压(50:DC50V,80:DC80V,22:AC220V)		50:Max Input Voltage (50: DC 50V, 80: DC 80V, 22: AC 220V)		
④	83:最高输出电流 (32:3.2A, 45:4.5A, 83:8.3A)		83: Max Output Current (32: 3.2A, 45: 4.5A, 83: 8.3A)		
⑤	***:特殊型号 (标准省缺)		***:Special Customized Model		

► 两相数字式步进驱动器选型 Digital Stepper Driver Selection

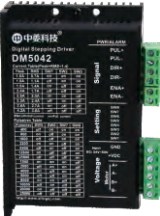
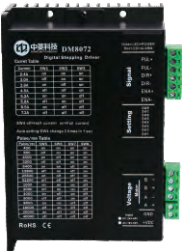
型号 Model	DM4022	DM5042	DM5056
实拍图 Photo			
工作电压 (V) Working Voltage	24-40VDC	24-50VDC	24-50VDC
输出电流 (A) Output Current	0.3-2.2A	1.0-4.2A	2.1-5.6A
细分 Step Resolution	1-128 5-125	2-128 5-125	2-128 5-125
外形尺寸 (mm) Dimension	86X55X20	118X75.5X34	118X75.5X34
适配电机 Matching Motor	20/28/35/42/57步进电机 20/28/35/42/57 Stepper Motor	42/57/86步进电机 42/57/86 Stepper Motor	42/57/86步进电机 42/57/86 Stepper Motor

型号 Model	DM8072	DM2250
实拍图 Photo		
工作电压 (V) Working Voltage	24-90VDC / 20-70VAC	110-230VAC
输出电流 (A) Output Current	2.4-7.2A	2.8-7.1A
细分 Step Resolution	2-256 5-200	2-256 5-200
外形尺寸 (mm) Dimension	150X98X54	178X109X68
适配电机 Matching Motor	57/86/110步进电机 57/86/110 Stepper Motor	86/110步进电机 86/110 Stepper Motor

► 三相数字式步进驱动器选型 3-Phase Digital Stepper Driver Selection

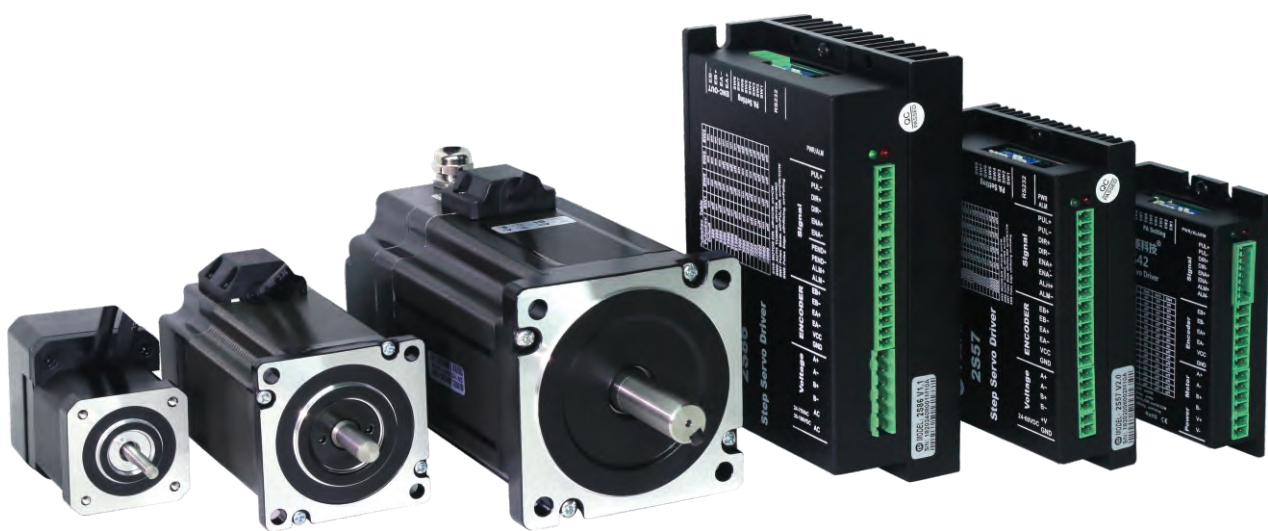
型号 Model	3DM5083	3DM2242	3DM2270
实拍图 Photo			
工作电压 (V) Working Voltage	24-50VDC	110-230VAC	110-230VAC
输出电流 (A) Output Current	2.4-8.3A	1.7-6.0A	1.7-9.9A
细分 Step Resolution	2-128 5-125	2-300	1-200
外形尺寸 (mm) Dimension	118X75.5X34	178X109X68	203X145X78.5
适配电机 Matching Motor	57/86步进电机 57/86 Stepper Motor	86/110步进电机 86/110 Stepper Motor	86/110/130步进电机 86/110/130 Stepper Motor

► 定制型步进驱动器选型 Custom Stepper Driver Selection

型号 Model	M4040-JG / M4040-SJT	DM5042-AD / DM5042-IO	DM8072-AD / DM8072-IO
实拍图 Photo			
工作电压 (V) Working Voltage	12-40VDC	24-50VDC	24-90VDC / 20-70VAC
输出电流 (A) Output Current	0.5-4.0A	1.0-4.2A	2.4-7.2A
细分 Step Resolution	1-16	2-128 5-125	2-256 5-200
外形尺寸 (mm) Dimension	96X61X25	118X75.5X34	150X98X54
适配电机 Matching Motor	42/57/60步进电机 42/57/60 Stepper Motor	42/57/86步进电机 42/57/86 Stepper Motor	57/86/110步进电机 57/86/110 Stepper Motor

数字式闭环步进系列

Digital Closed-Loop Stepper Series



► 数字式闭环驱动器选型 Digital Closed-Loop Stepper Driver Selection

型号 Model	2542	2557	2586
实拍图 Photo			
工作电压 (V) Working Voltage	18-48VDC	24V-60VDC	30-100VDC / 24-75VAC
输出电流 (A) Output Current	0-3A	0-6A	0-8A
细分 Step Resolution	1-256 5-200	2-256 5-200	2-256 5-200
外形尺寸 (mm) Dimension	96X60.5X24	112X75.5X35	151X97X48
适配电机 Matching Motor	20/28/35/42闭环步进电机 20/28/35/42 Closed-Loop Stepper Motor	42/57/86闭环步进电机 42/57/86 Closed-Loop Stepper Motor	57/86闭环步进电机 57/86 Closed-Loop Stepper Motor

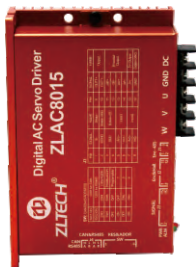
低压直流伺服系列

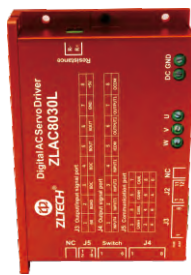
Low voltage DC Servo Series



► 低压直流伺服驱动器选型 Low voltage DC Servo Driver Selection

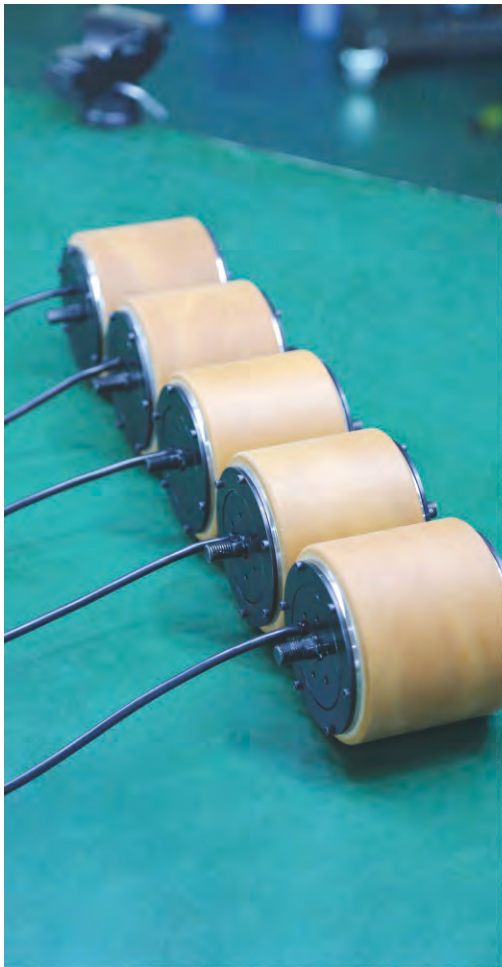
型号 Model	ZLAC706	ZLAC706-CAN	ZLAC8008
实拍图 Photo			
工作电压 (V) Working Voltage	24V-60VDC	24V-60VDC	24V-80VDC
输出电流 (A) Output Current	均值 8A 峰值 24A Rated 8A, Max 24A	均值 8A 峰值 24A Rated 8A, Max 24A	均值 8A 峰值 24A Rated 8A, Max 24A
控制方式 Control Method	脉冲、RS232 Pulse, RS232	脉冲、RS232、CAN Pulse, RS232, CAN	RS232、CANOpen、RS485
外形尺寸 (mm) Dimension	118x76x34	118x76x34	118x76x34
适配电机 Matching Motor	400W以下的伺服电机 Servo Motor with Power less than 400W	400W以下的伺服电机 Servo Motor with Power less than 400W	400W以下的伺服电机 Servo Motor with Power less than 400W

型号 Model	ZLAC8010	ZLAC8015
实拍图 Photo		
工作电压 (V) Working Voltage	18V-90VDC	24V-48VDC
输出电流 (A) Output Current	均值 10A 峰值 30A Rated 10A, Max 30A	均值 15A 峰值 30A Rated 15A, Max 30A
控制方式 Control Method	脉冲、模拟量、RS232、CANOpen Pulse, Analog quantity, RS232, CANOpen	CANOpen, RS485
外形尺寸 (mm) Dimension	140.7x89.3x32	118x76x34
适配电机 Matching Motor	400W以下的伺服电机 Servo Motor with Power less than 400W	500W以下轮毂伺服电机 Hub Servo Motor with Power less than 500W

型号 Model	ZLAC8030	ZLAC8030L
实拍图 Photo		
工作电压 (V) Working Voltage	24V-80VDC	24V-48VDC
输出电流 (A) Output Current	均值 30A 峰值 90A Rated 30A, Max 90A	均值 30A 峰值 60A Rated 30A, Max 60A
控制方式 Control Method	脉冲、模拟量、RS232、CANOpen Pulse, Analog quantity, RS232, CANOpen	CANOpen, RS485
外形尺寸 (mm) Dimension	167x100x34.8	149.6x97x30.8
适配电机 Matching Motor	大功率款轮毂伺服电机 High Power Hub Servo Motor	大功率款轮毂伺服电机 High Power Hub Servo Motor

定制产品展示

Custom Product Presentation











专 注 工 业 自 动 化 产 品

FOCUS ON INDUSTRIAL AUTOMATION PRODUCT

深圳中菱科技有限公司

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