

产品规格书

Specification of Product

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产品名称: 28.0V650公斤无刷舵机 Product Name: 28.0V650kg-cm BLS Servo

产品型号 Model: OCS-D6501

1. 使用环境条件 Apply Environmental Condition

No.	Item	Specification
1-1	存储温度 Storage Temperature Range	-30℃~70℃
1-2	运行温度 Operating Temperature Range	-20℃~60℃

2. 测试环境 Standard Test Environment

No.	Item	Specification
2-1	温度 Temperature range	25℃ ±5℃
2-2	湿度 Humidity range	65%±10%

3. 机械特性 Mechanical Specification

No.	Item	Specification
3-1	尺寸 Size	100.0*50.0*97.0 mm
3-2	重量 Weight	895 g
3-3	齿轮类型 Gear type	Steel Gear
3-6	机构极限角度 Limit angle	-
3-7	轴承 Bearing	8 Ball bearings
3-8	出力轴 Horn gear spline	25T 11.98 mm
3-9	摆臂 Horn type	Metal
3-10	外壳 Case	Aluminium CNC
3-11	舵机线 Connector wire	J30J-15TJL Need to purchase separately
3-12	马达 Motor	BLS motor
3-13	防水性能 Splash water resistance	Yes

4. 电气特性 Electrical Specification (Function of the Performance)

No.	工作电压 Operating Voltage Range	24V	28V	30V
4-1	空载速度 No load speed	0.30 sec/60°	0.25 sec/60°	0.21 sec/60°
4-2	空载电流 Runnig current(at no load)	<400 mA	<430 mA	<450 mA
4-3	堵转扭矩 Stall torque	560 kg.cm	650 kg.cm	700 kg.cm
4-4	堵转电流 Stall current	<18 A	<21 A	<22.5 A
4-5	额定扭矩 Rated torque	200 kg.cm	230 kg.cm	250 kg.cm
4-6	额定电流 Rated current	≤3.5 A	≤4 A	≤4.5 A
4-7	静态电流 Idle current	60 mA	60 mA	60 mA

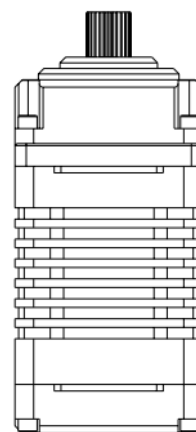
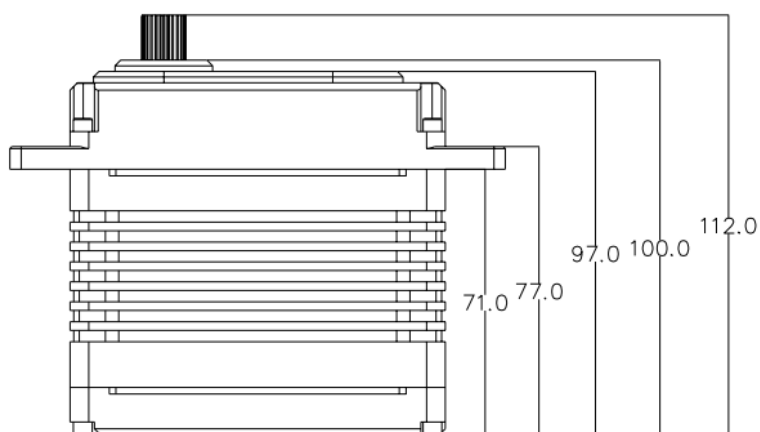
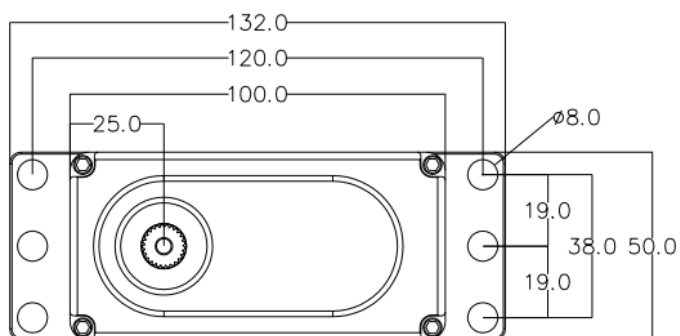
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5. 控制特性 Control Specification:

No.	Item	Specification
5-1	控制类型 Type	PWM or S-bus or CAN or 485
5-2	放大器类型 Amplifier type	Digital Controller
5-3	脉冲宽度范围 Pulse width range	500~2500μsec customizable
5-4	中立位置 Neutral position	1500 μsec customizable
5-5	旋转角度 Running degree	90° (when 1000~2000 μ sec) customizable
5-6	死区宽度 Dead band width	3 μsec
5-7	旋转方向 Rotating direction	CCW (when 1000~2000 μsec) customizable

6. 外形图 The Drawings



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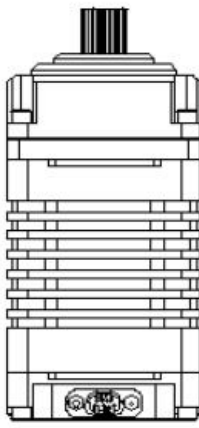
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7. 电气连接 Connection type

J30J-15ZKP

	PWM/S-BUS 管脚定义		RS485 管脚定义		CAN 总线管脚定义	
	1	DC + (直流电源正极)	1	DC + (直流电源正极)	1	DC + (直流电源正极)
	2		2		2	
	3		3		3	
	4	DC- (直流电源负极)	4	DC- (直流电源负极)	4	DC- (直流电源负极)
	5		5		5	
	6		6		6	
	7	空闲 floating	7	空 floating	7	空 floating
	8		8		8	
	9		9		9	
	10	PWM/S-BUS 信号	10	空 floating	10	空 floating
	11		11		11	
	12		12	RS485A	12	CAN_H
	13	反馈 FB	13		13	
	14	信号地 S-GND	14	RS485B	14	CAN_L
	15		15		15	