

Servo Blg



Notes

RDS5160 ssg 60kg 7.4v HV Robot Servo High Torque Servo Metal Gear Digital Servo
Angle Movement 270 degree

Electrical Parameters

1. 使用环境条件 Apply Environmental Condition

No.	Item	Specification
1-1	存储温度 Storage Temperature Range	-30℃ ~ 80℃
1-2	运行温度 Operating Temperature Range	-15℃ ~ 70℃
1-3	工作电压范围 Operating Voltage Range	6-8.4V

2. 机械特性 Mechanical Specification

No.	Item	Specification
2-1	尺寸 Size	65*30*48mm
2-2	重量 Weight	158g
2-3	齿轮比 Gear ratio	279
2-4	轴承 Bearing	Double bearing
2-5	舵机线 Connector wire	300±5mm
2-6	马达 Motor	3-pole(s)
2-7	防水性能 Waterproof performance	IP67

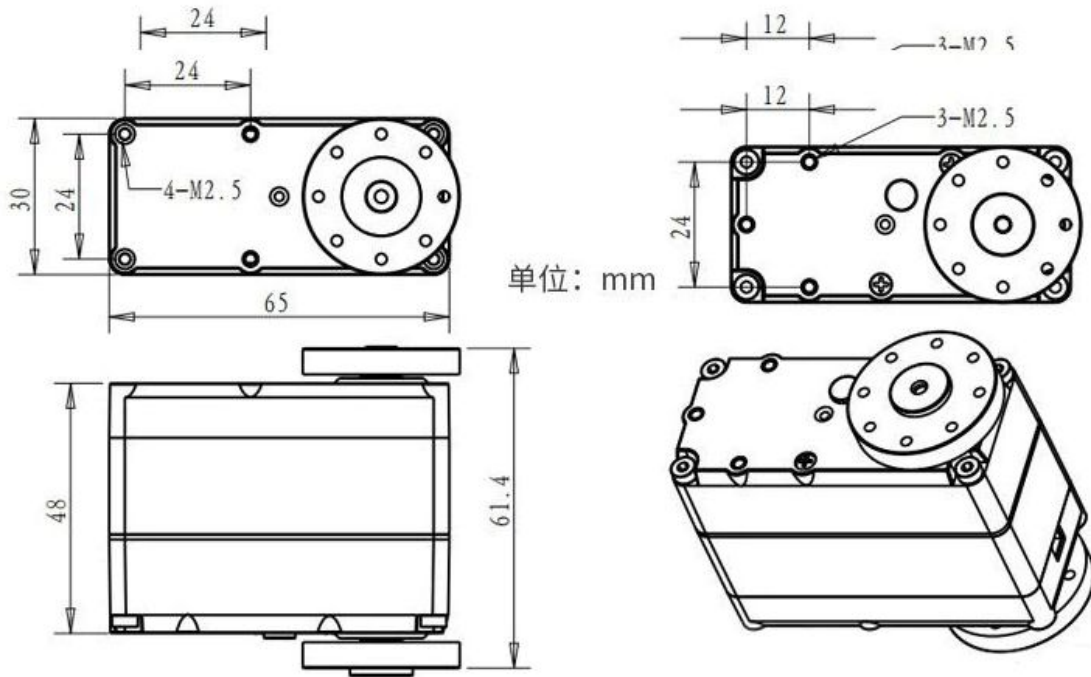
3. 电气特性 Electrical Specification

No.	工作电压 Operating Voltage	6V	7.4V	8.4V
3-1	待机电流 Idle current(at stopped)	4mA	5mA	6mA
3-2	空载转速 Operating speed (at no load)	0.17 sec/60°	0.15sec/60°	0.13sec/60°
3-3	堵转扭矩 Stall torque (at locked)	58 kg-cm	65 kg-cm	70 kg-cm
3-4	堵转电流 Stall current (at locked)	3.5A	5A	6.2A

4. 控制特性 Control Specification

No.	Item	Specification
4-1	驱动方式 Control System	PWM(Pulse width modification)
4-2	脉宽范围 Pulse width range	500~2500μsec
4-3	中点位置 Neutral position	1500μsec
4-4	控制角度 Running degree	180° or 270° (when 500~2500 μ sec)
4-5	控制精度 Dead band width	3 μsec
4-6	控制频率 Operating frequency	50-330Hz
4-7	旋转方向 Rotating direction	Counterclockwise (when 500~2500 μsec)

Mechanical Dimensions



TOP (上部)

3 x M2.5 Metal Screw Nut Injected,
Depth 9mm x2 11mm x1
3 x M2.5 金属螺母 埋入注塑
深度 9mm x2 11mm x1



FRONT (正面)

单体舵机尺寸不含轴高
65mm x 30mm x 48.8mm
单体舵机尺寸含轴高
65mm x 30mm x 62mm



BOTTOM (底部)

6 x M2.5 Metal Screw Nut Injected,
Depth 4mm x4 9mm x2
6 x M2.5 金属螺母 埋入注塑
深度 4mm x4 9mm x2