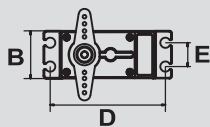
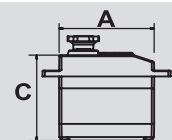


型号	尺寸(mm)					重量 g	4.8V		6.0V		7.4V		类型	运转 角度 °	脉冲 范围 ms	齿轮 [*]		马达 类型	轴承	恒流 保护	防水性
							速度	扭矩	速度	扭矩	速度	扭矩									
	A	B	C	D	E		sec/60°	kg.cm	sec/60°	kg.cm	sec/60°	kg.cm				PG	MG				
SM-S8166B	60.5	30.7	60.0	69.0	16.9	121	0.25	17.0	0.21	20.0	—	—	模拟	±60	0.9-2.1	4	1	碳刷	BB*2	无	无
SM-S8166M	60.5	30.7	60.0	69.0	16.9	160	0.26	26.8	0.22	33.0	—	—	模拟	±60	0.9-2.1	1	4	碳刷	BB*2	无	无
SM-S8167M	60.5	30.7	60.0	69.0	16.9	126	0.26	26.8	0.22	33.0	—	—	模拟	±60	0.9-2.1	0	5	碳刷	BB*2	有	防雨水
SM-S8168B	60.5	30.7	60.0	69.0	16.9	125	0.19	15.0	0.15	18.0	—	—	模拟	±60	0.9-2.1	4	1	碳刷	BB*2	无	无
SM-S8330M	59.5	29.1	49.5	70.5	20.3	137	0.27	23.8	0.22	29.9	—	—	模拟	±60	0.9-2.1	0	6	碳刷	BB*2	有	防雨水
SM-S8466M	60.5	30.7	60.0	69.0	16.9	166	0.25	26.0	0.21	33.0	—	—	数字	±90	0.9-2.1	0	5	碳刷	BB*2	无	无
SM-S8466N	60.5	30.7	60.0	69.0	16.9	170	0.40	30.0	0.32	38.5	—	—	数字	180	0.5-2.5	0	5	碳刷	BB*2	无	无
SM-S8467M	60.5	30.7	60.0	69.0	16.9	170	—	—	0.27	29.5	0.24	35.5	数字	±60	0.9-2.1	0	5	碳刷	BB*2	有	无

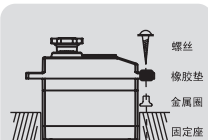
*.PG=塑胶齿轮 MG=金属齿轮

*.SM-S8330M具有恒流保护功能，堵转持续时间不能超过2分钟，解除后立即恢复正常运转。

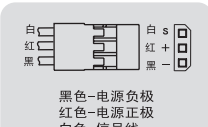
- ▲ 本系列舵机可与FUTABA、JR、SANWA、HITEC等通用制式遥控设备兼容。
- ▲ 本系列产品数据线接口（见左图）为本公司标准接口（同JR接口）。转动方向为正转（CW）。
- ▲ 请使用本品附件按附图所示正确安装舵机，本系列产品的连接线长均为30cm。
特别提示：用于震动较大的油动飞机、车模及船模时，必须使用橡胶减震垫。
- ▲ 请选择合适规格用于您的模型。
特别提示：扭矩不可过载，否则会造成舵机损坏。
- ▲ 请参照说明书正确选择舵机的电源电压，并确保供给充足的电流，否则会影响舵机正常工作。
特别提示：如电压超过适用范围，有可能导致舵机工作异常，甚至造成舵机损坏。
- ▲ 请保持舵机使用环境清洁，避免灰尘、腐蚀性气体和潮湿空气的侵蚀污染。
- ▲ 本公司保留为改善品质而对本品进行局部修改的权利，可能发生部分参数或外观变化，恕不另行通知。



外形尺寸代码图



安装示意图



接口示意图

深圳市春天模型电子有限公司

中国制造

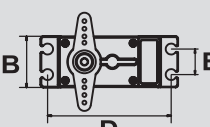
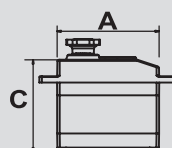
XBES80000219 V3.0



Model	Size (inch)					Weight oz	4.8V		6.0V		7.4V		Type	Rotation angle °	Pulse range ms	Gear [*]		Motor	Bear- ing	Constant current protection	Water resistance
							Speed	Torque	Speed	Torque	Speed	Torque									
	A	B	C	D	E		sec/60°	oz.in	sec/60°	oz.in	sec/60°	oz.in				PG	MG				
SM-S8166B	2.38	1.21	2.36	2.72	0.67	4.27	0.25	236.50	0.21	278.23	—	—	Analogue	±60	0.9-2.1	4	1	Carbon brush	BB*2	not	not
SM-S8166M	2.38	1.21	2.36	2.72	0.67	5.64	0.26	372.83	0.22	459.09	—	—	Analogue	±60	0.9-2.1	1	4	Carbon brush	BB*2	not	not
SM-S8167M	2.38	1.21	2.36	2.72	0.67	4.44	0.26	372.19	0.22	458.29	—	—	Analogue	±60	0.9-2.1	0	5	Carbon brush	BB*2	yes	yes
SM-S8168B	2.38	1.21	2.36	2.72	0.67	4.41	0.19	208.68	0.15	250.41	—	—	Analogue	±60	0.9-2.1	4	1	Carbon brush	BB*2	not	not
SM-S8330M	2.34	1.15	1.95	2.78	0.80	4.83	0.27	331.10	0.22	415.96	—	—	Analogue	±60	0.9-2.1	0	6	Carbon brush	BB*2	yes	yes
SM-S8466M	2.38	1.21	2.36	2.72	0.67	5.87	0.25	361.70	0.21	459.09	—	—	Digital	±90	0.9-2.1	0	5	Carbon brush	BB*2	not	not
SM-S8466N	2.38	1.21	2.36	2.72	0.67	6.01	0.40	417.35	0.32	535.60	—	—	Digital	180	0.5-2.5	0	5	Carbon brush	BB*2	not	not
SM-S8467M	2.38	1.21	2.36	2.72	0.67	6.01	—	—	0.27	409.69	0.24	493.86	Digital	±60	0.9-2.1	0	5	Carbon brush	BB*2	yes	not

*.PG=Plastic gear MG=Metal gear

*.SM-S8330M:has the function of constant-current protection, the duration of locked-rotor can not be over 2 minutes;and it will immediately resume normal after relieving.



Overall Dimension

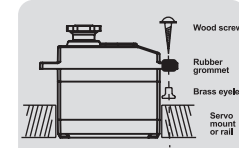


Diagram of installation

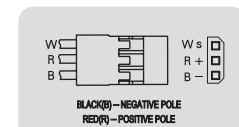


Diagram of connector

- ▲ Compatible with other universal standard RC equipment, like FUTABA, JR, SANWA, HITEC etc.
- ▲ Standard connector (like JR). the rotation direction is clockwise (CW).
- ▲ Please refer to the figure for installing the servo accessories. The wire length of these series servos is 11.8in
Caution: For gas engine powered airplanes, cars and boats, rubber gasket must be used to reduce vibration.
- ▲ Please choose correct stock number for your model.
Caution: Torque over-loaded will damage the servo's mechanism.
- ▲ Please choose the right voltage of servo according to the specification. and make sure to supply enough current for the servo.
Caution: If the voltage is higher than normal, the servo will not work normally even to be damaged.
- ▲ Keep the servo clean and away from dust, corrosive gas and humid air.
- ▲ Our company keep the right of amendment without notice if there are some changes of parameter.

