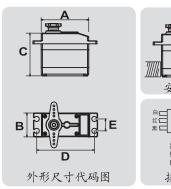
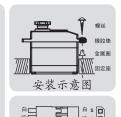


SM-42/43系列舵机说明书

感谢您选择春天模型电子产品

型 号	尺寸 (mm)					重量	4.8V		6V		7.4V			齿轮*			滚珠	连接
							速度	扭矩	速度	扭矩	速度	扭矩	类型	121 4C.11		马达类型	轴承	线长
	Α	В	С	D	Е	g	sec/60°	kg.cm	sec/60°	kg.cm	sec/60°	kg.cm	P	PG	MG		114/5	cm
SM-S4209M	41.3	20.7	40.0	50.3	10	62	0.13	8.7	0.11	9.6	_	-	数码	0	5	空芯杯	2	30
SM-S4212M	41.3	20.7	40.0	50.3	10	63	0.15	11.9	0.13	12.8	_	-	数码	0	5	空芯杯	2	30
SM-S4303B	41.3	20.7	40.0	50.3	10	44	0.21	4.3	0.17	4.8	_	_	模拟	4	1	金属刷	2	30
SM-S4303S	41.3	20.7	40.0	50.3	10	44	0.22	3.9	0.18	4.4	_	-	模拟	4	1	金属刷	0	30
SM-S4306B	41.3	20.7	40.0	50.3	10	45	0.22	4.8	0.18	5.6	_	_	模拟	4	1	金属刷	2	30
SM-S4306H	41.3	20.7	40.0	50.3	10	55	0.21	6.4	0.17	7.8	_	_	模拟	1	4	金属刷	2	30
SM-S4309M	41.3	20.7	40.0	50.3	10	60	0.2	8.6	0.16	9.8	_	_	模拟	0	5	金属刷	2	30
SM-S4312M	41.3	20.7	40.0	50.3	10	60	0.21	10.3	0.18	12.1	_	_	模拟	0	5	金属刷	2	30
SM-S4315M	41.3	20.7	40.0	50.3	10	61	0.21	13	0.17	15.1	_	_	模拟	0	5	碳刷	2	30
SM-S4316MV	41.3	20.7	40.0	50.3	10	62	_	_	0.24	13.4	0.19	16	模拟	0	5	碳刷	2	30
*:PG=塑胶齿轮 MG=金属齿轮 运转角度: ±60° 脉冲范围: 0.9~2.1ms 运转方向: 顺时针(正转											(正转)	S4316M带有堵转恒流保护功能						







白色-信号线 接口示意图

▲ 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□ (见左图) 为本公司标准接□(同JR接□)。
- ▲ 请使用本品附件按附图所示正确安装舵机。

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浸蚀污染。
- ▲ 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。

XBBS42430219 V3.0

RoHS





深圳市春天模型电子有限公司

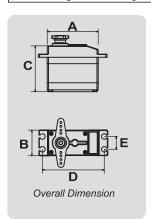
中国制造

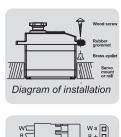


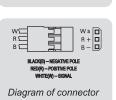
SM-42/43 Servo Series Specification

Thank you for using our product

		Çi	ze (in	.)		Weight	4.8	3 V	6	V	7.4	1V		C	*		Ball	Wire	
Item	Size (III)					Weight	Speed	Torque	Speed	Torque	Speed	Torque	Type	Gear*		Motor	Bear	wire	
	A	В	С	D	Е	oz	sec/60°	oz.in	sec/60°	oz.in	sec/60°	oz.in		PG	MG		ing	cm	
SM-S4209M	1.63	0.81	1.57	1.98	0.39	2.19	0.13	120.82	0.11	133.32	I	-	Digital	0	5	coreless	2	30	
SM-S4212M	1.63	0.81	1.57	1.98	0.39	2.23	0.15	165.26	0.13	177.76	I	_	Digital	0	5	coreress	2	30	
SM-S4303B	1.63	0.81	1.57	1.98	0.39	1.55	0.21	59.72	0.17	66.66	ı	_	Analog	4	1		2	30	
SM-S4303S	1.63	0.81	1.57	1.98	0.39	1.55	0.22	54.16	0.18	61.11	-	-	Analog	4	1		0	30	
SM-S4306B	1.63	0.81	1.57	1.98	0.39	1.59	0.22	66.66	0.18	77.77	-	_	Analog	4	1	Metal	2	30	
SM-S4306H	1.63	0.81	1.57	1.98	0.39	1.94	0.21	88.88	0.17	108.32		_	Analog	1	4	Brush	2	30	
SM-S4309M	1.63	0.81	1.57	1.98	0.39	2.12	0.2	119.43	0.16	136.10	I	-	Analog	0	5		2	30	
SM-S4312M	1.63	0.81	1.57	1.98	0.39	2.12	0.21	143.04	0.18	168.04	I	_	Analog	0	5		2	30	
SM-S4315M	1.63	0.81	1.57	1.98	0.39	2.16	0.21	180.54	0.17	209.70	I	_	Analog	0	5	carbon	2	30	
SM-S4316MV	1.63	0.81	1.57	1.98	0.39	2.19	_	_	0.24	186.09	0.19	222.20	Analog	0	5	brush	2	30	
*:PG=Plastic gear	r MG=N	Aetal gea	r Rota	tion ang	le:±60° 1	Pulse range:	0.9~2.1ms	Rotating d	irection:Clo	ckwise (C	W) SM-S	4316M has	the function	of Co	ıstant C	urrent Protection	n		







- ▲ Compatible with other universal standard RC equipment,like FUTABA,JR,SANWA.HITEC etc.
- ▲ Standard connector(like JR).
- ▲ Please refer to the figure for installing the servo accessories.

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.



