

SA19

Control System	PWM		
Refresh Rate	333 Hz		
Neutral Position	1520 μSec		
Signal Mode	Digital		
Dead band	2 μSec		
Operating Voltage	4.8V ~ 8.4V		
Operating Temp.	-15°C ~ +70°C		
Bearing	2BB		
Mechanical Angle	No Limit		
Dimension	40.8 x 20.2 x 26.5 mm		
Net Weight	54.5 g		
Connector / Cable	TYU 180mm / 22AWG		
Operating Travel	180° ± 10°		
Signal Range	500 to 2500 μSec		
Operating Speed	Stall Torque	Unload Current	Loading Current
0.110 sec/60° @ 5.0V	13 kg-cm (180 oz-in) @ 5.0V	320mA @ 4.8V	3300mA @ 4.8V
0.095 sec/60° @ 6.0V	16 kg-cm (222 oz-in) @ 6.0V	380mA @ 6.0V	3600mA @ 6.0V
0.083 sec/60° @ 7.4V	18 kg-cm (250 oz-in) @ 7.4V	430mA @ 7.4V	4100mA @ 7.4V
0.073 sec/60° @ 8.4V	19 kg-cm (264 oz-in) @ 8.4V	480mA @ 8.4V	4200mA @ 8.4V
Direction	CCW	Motor Type	Brushless
Waterproof Level	IP67	Angle Sensor	Magnetic Angle
Programmable	Yes	Motor Drive	FET Drive
Gear Material	Strength Steel	Horn Gear Spline	25T-Ø5.92mm
Case Material	Aluminum	Bearing Material	Metal
Wire Color (- + S)	Negative: Black Positive: Black Signal: Grey		
Default Accessories	① 1 pc x 25T-Ø5.92mm L=45mm Plastic Horn ② 1 pc x 25T-Ø5.92mm L=40.3mm Plastic Horn ③ 1 pc x 25T-Ø5.92mm L=27.5mm Plastic Horn ④ 4 pcs x M3*12mm Screws ⑤ 1 pc x M3*8mm Screw ⑥ 4 pcs x 9*6.9*5.6mm (Ø3) Rubber Pads ⑦ 4 pcs x Ø6*Ø3.5*Ø5mm Copper Sleeves 		

Remark: If you have any questions about the SA19 servo, please contact shopping@ag7rc.com directly.