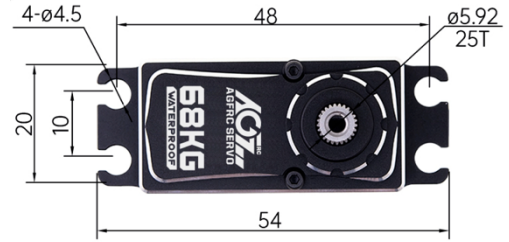


SA81FHSW

Control System	Pulse width modulation control		
Refresh Rate	333Hz		
Neutral Position	1520μS		
Signal Mode	Digital		
Dead band	2 μSec		
Operating Voltage	4.8V ~ 8.4V		
Operating Temperature	-15C° ~ +70C°		
Bearing	4BB		
Mechanical Angle	No Limit		
Size	40*20*38mm		
Net Weight	88.5g		
Wire	TYU 300mm / 22AWG		
Operating Travel	180°±10°		
Signal Range	500 to 2500 μSec		
Stall Torque	42 kg-cm (583oz-in) @ 4.8V 52 kg-cm (722 oz-in) @ 6.0V 60 kg-cm (834 oz-in) @ 7.4V 68 kg-cm (945 oz-in) @ 8.4V		Unload Current 460mA @ 4.8V 500mA @ 6.0V 540mA @ 7.4V 580mA @ 8.4V
Operating Speed	0.160sec/ 60° @ 4.8V 0.135sec/60° @ 6.0V 0.120sec/60° @ 7.4V 0.105sec/60° @ 8.4V		Loading Current 5400mA @ 4.8V 6000mA @ 6.0V 6800mA @ 7.4V 7500mA @ 8.4V
Direction	☒ CCW ☐ CW		
Waterproof Level	☐ IP65 ☒ IP67		
Servo Mode	☒ Regular Mode ☒ Winch Mode ☐ Multiple-Rotation Mode		
Angle Sensor	☐ Potentiometer ☒ Magnet Angle Sensor		
Motor Type	☒ 4-Pole Brushless ☐ Coreless ☐ DC		
Motor Drive	☒ FET Drive ☐ IC Drive ☐ Transistor Drive		
Programmable	☒ Yes ☐ No		
Gear Material	☒ Strength Steel ☐ Titanium ☐ Copper ☐ Plastic		
Horn Gear Spline	☒ 25T-φ5.92mm ☐ 25T-φ4.94mm ☐ Other _____		
Case Material	☒ AL6061T6 ☐ Aluminum + Plastic ☐ Plastic		
Bearing Material	☒ Metal ☐ Plastic		
Horn Accessories	☒ AL6061T6 ☐ Plastic		
Wire Color	Negative: ☒ Black ☐ Brown Positive: ☒ Black ☐ Red Signal: ☒ Grey ☐ White ☐ Orange		



UNIT:MM