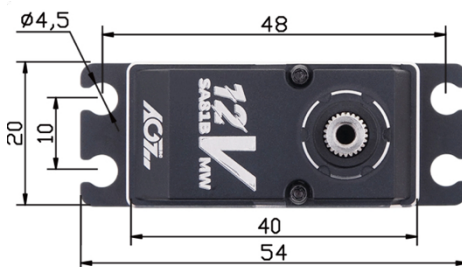


SA81BVMW(3S)

Control System	Pulse width modulation control		
Refresh Rate	333Hz		
Neutral Position	1520μS		
Signal Mode	Digital		
Dead band	2 μSec		
Operating Voltage	10V ~ 14V		
Operating Temperature	-15C° ~ +70C°		
Bearing	3BB		
Mechanical Angle	No Limit		
Size	40*20*37.5mm		
Net Weight	81g		
Wire	TYU 300mm / 22AWG		
Operating Travel	180°±10°		
Signal Range	500 to 2500 μSec		
Stall Torque	36.0 kg-cm (500 oz-in) @ 11.1V 42.0 kg-cm (583 oz-in) @ 12.0V 44.0 kg-cm (611 oz-in) @ 12.6V 48.0 kg-cm (667 oz-in) @ 14.0V	Unload Current	280 mA @ 11.1V 320 mA @ 12.0V 340 mA @ 12.6V 380 mA @ 14.0V
Operating Speed	0.120 sec/ 60° @ 11.1V 0.110 sec/60° @ 12.0V 0.104 sec/60° @ 12.6V 0.095 sec/60° @ 14.0V	Loading Current	2700 mA @ 11.1V 3000 mA @ 12.0V 3200 mA @ 12.6V 3600 mA @ 14.0V
Direction	☒ CCW ☐ CW		
Waterproof Level	☐ IP65 ☒ IP67		
Servo Mode	☒ Regular Mode ☒ Winch Mode ☐ Multiple-Rotation Mode		
Angle Sensor	☐ Potentiometer ☒ Magnet Angle Sensor		
Motor Type	☒ 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	Battery Negative: ☒ Black ☐ Brown Battery Positive: ☐ Black ☒ Red Signal Negative: ☒ Black ☐ White ☐ Orange Signal : ☐ Black ☒ White ☐ Orange		



UNIT: MM