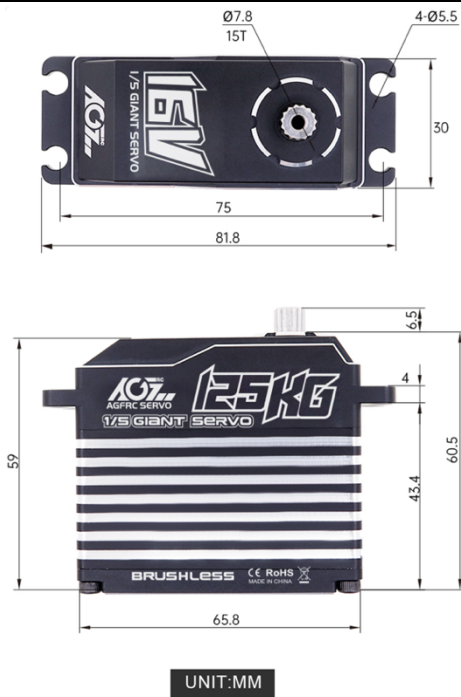


A280BVSW

Control System	Pulse width modulation control		
Refresh Rate	333Hz		
Neutral Position	1520μS		
Signal Mode	Digital		
Dead band	2 μSec		
Operating Voltage	7.4V ~ 16.8V		
Operating Temperature	-15C° ~ +70C°		
Bearing	5BB		
Mechanical Angle	No Limit		
Size	65.8*30.0*59.0mm		
Net Weight	284.3g		
Wire	TYU+JST 300mm / 22AWG		
Operating Travel	180°±10°		
Signal Range	500 to 2500 μSec		
Stall Torque	78.0 kg-cm (1084 oz-in) @ 10.0V 83.0 kg-cm (1153 oz-in) @ 11.1V 92.0 kg-cm (1278 oz-in) @ 12.0V 110.0 kg-cm (1528 oz-in) @ 14.4V 125.0 kg-cm (1736 oz-in) @ 16.0V 128.0 kg-cm (1779 oz-in) @ 16.8V	Unload Current	950 mA @ 10.0V 1000 mA @ 11.1V 1060 mA @ 12.0V 1200 mA @ 14.4V 1300 mA @ 16.0V 1400 mA @ 16.8V
Operating Speed	0.120 sec/ 60° @ 10.0V 0.110 sec/60° @ 11.1V 0.100 sec/60° @ 12.0V 0.090 sec/60° @ 14.4V 0.080 sec/60° @ 16.0V 0.077 sec/60° @ 16.8V	Loading Current	7700 mA @ 10.0V 8300 mA @ 11.1V 9200 mA @ 12.0V 10600 mA @ 14.4V 11000 mA @ 16.0V 11800 mA @ 16.8V
Direction	☒ CCW ☐ CW		
Waterproof Level	☐ IP65 ☒ IP67		
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	☒ 15T-φ7.8mm ☐ 25T-φ4.94mm ☐ Other _____		
Case Material	☒ AL6061T6 ☐ Aluminum + Plastic ☐ Plastic		
Bearing Material	☒ Metal ☐ Plastic		
Horn Accessories	☒ AL6061T6 ☐ Plastic		
Wire Color	Battery Negative: ☒ Black Battery Positive: ☒ Red Signal: ☒ White Signal Negative: ☒ Black		