

B53DHS

Control System	PWM		
Refresh Rate	333 Hz		
Neutral Position	1520 μ Sec		
Signal Mode	Digital		
Dead band	4 μ Sec		
Operating Voltage	4.8V ~ 8.4V		
Operating Temp.	-15°C ~ +70°C		
Bearing	2BB		
Mechanical Angle	220°		
Dimension	40 x 20 x 42.3 mm		
Net Weight	65 g		
Connector / Cable	JR 360mm / 22AWG		
Operating Travel	180° $\pm$ 10°		
Signal Range	500 to 2500 μ Sec		
Operating Speed	Stall Torque	Unload Current	Loading Current
0.240 sec/60° @ 4.8V	17.0 kg-cm (236 oz-in) @ 4.8V	500mA @ 4.8V	2400mA @ 4.8V
0.220 sec/60° @ 6.0V	19.0 kg-cm (264 oz-in) @ 6.0V	550mA @ 6.0V	2700mA @ 6.0V
0.200 sec/60° @ 7.4V	21.5 kg-cm (298 oz-in) @ 7.4V	600mA @ 7.4V	2900mA @ 7.4V
0.190 sec/60° @ 8.4V	24.0 kg-cm (333 oz-in) @ 8.4V	700mA @ 8.4V	3200mA @ 8.4V
Direction	CCW	Motor Type	DC
Waterproof Level	/	Angle Sensor	Potentiometer
Programmable	Yes	Motor Drive	FET Drive
Gear Material	Titanium	Horn Gear Spline	25T-Ø5.92mm
Case Material	Aluminum + Plastic	Bearing Material	Metal
Wire Color (- + S)	Negative: Black	Positive: Red	Signal: White
Default Accessories	① 1 pc x 25T-Ø5.92mm L=55.4mm Plastic Horn ② 1 pc x 25T-Ø5.92mm L=40.3mm Plastic Horn ③ 4 pcs x M2*12*Ø5mm Screws ④ 1 pc x M3*6mm Screw ⑤ 4 pcs x Ø3*Ø4.6*5 mm Rubber Pads ⑦ 4 pcs x Ø5*Ø3*5mm Copper Sleeves		

Remark: If you have any questions about the B53DHS servo, please contact shopping@agfrc.com directly.