

B45BHL V2

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	2BB		
Mechanical Angle	220°		
Size	40.8*20.2*26.5mm		
Net Weight	48g		
Wire	JR 190mm / 22AWG		
Operating Travel	180°±10°		
Signal Range	500 to 2500 μSec		
Stall Torque	12.0 kg-cm (166 oz-in) @ 4.8V 14.5 kg-cm (201 oz-in) @ 6.0V 16.0 kg-cm (222 oz-in) @ 7.4V 18.0 kg-cm (250 oz-in) @ 8.4V	Unload Current	320mA @ 4.8V 380mA @ 6.0V 430mA @ 7.4V 480mA @ 8.4V
Operating Speed	0.105sec/ 60° @ 4.8V 0.090sec/60° @ 6.0V 0.075sec/60° @ 7.4V 0.065sec/60° @ 8.4V	Loading Current	3800mA @ 4.8V 4200mA @ 6.0V 4600mA @ 7.4V 4800mA @ 8.4V
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	☒ 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		