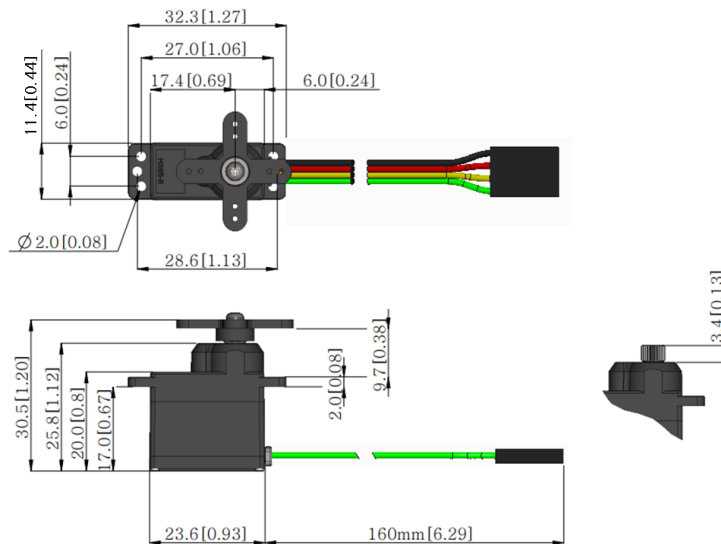


GENERAL SPECIFICATION OF MD65MG-CAN

UPDATE : 2019-04-08

		CAN BUS		
Control System	Protocol (Mode)	Standard 2.0A	Extended 2.0B	UAVCAN
	Baud-Rate	10kbps ~ 1 Mbps (10, 20, 25, 40, 50, 80, 100, 125, 150, 200, 250, 400, 500, 750, 800, 1000)		
	Sample-Point	50% or 87.5%		
	Available SERVO ID	0 ~ 254		
	Available Node ID	0 ~ 65535	0~2147483647	1~127
	Input Signal Range	-4 V to 16 V		
Position Sensor	Contactless encoder			
Operating Voltage Range	4.8 V ~ 6.0V			
Motor Type	Cored			
MCU	32Bits			
Travel	Travel / Command	90° / 4096		
	Servo Mode	Left	Center	Right
	Pos Command	91	8192	16300
	Pos (Unit : °)	2.00	180	358.18
	Turn Mode	Left	Power On	Right
	Pos Command	-16300	0	16300
	Pos (Unit : °)	-358.18	0	358.18
	Turn Range	±32767		
Voltage	At 4.8V	At 6.0V		
No Load Speed	0.14sec/60° (428.6°/sec) (71.4RPM)	0.11sec/60° (545.5°/sec) (90.9RPM)		
Stall Torque	1.8kg·cm (24.99oz.in)	2.2kg·cm (30.55oz.in)		
Standing Current	8mA	8mA		
No Load Running Current	180mA	220mA		
Stall Current	960mA	1200mA		
Operating Temperature Range	-20°C TO +60°C (-4°F TO +140°F)			
Vibrations at No Load	DO-160F (SEMI 산업용)			
Storage Temperature Range	-30°C ~ +80°C (-31°F ~ +176°F)			
Connector Wire Length	300mm(11.81in) /24AWG /Yellow : CAN Low, Green : CAN High			
Outline Dimensions	23.6 x 11.4 x 25.8mm(0.93 x 0.45 x 1.12in)			
Weight	11.9g (0.42oz)			
Ball Bearing	Single Ball Bearing / MR85			
Case Material	Plastic			
Gear Material	1 Resin & 4 Metal Gears			
Gear Train Backlash	Max 0.5°			
Horn Gear Spline	H25T (25 Segment Ø5.0)			



UNIT : mm(Inch)