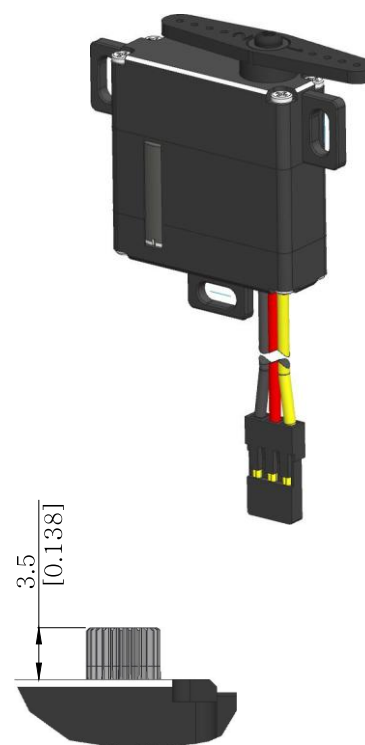
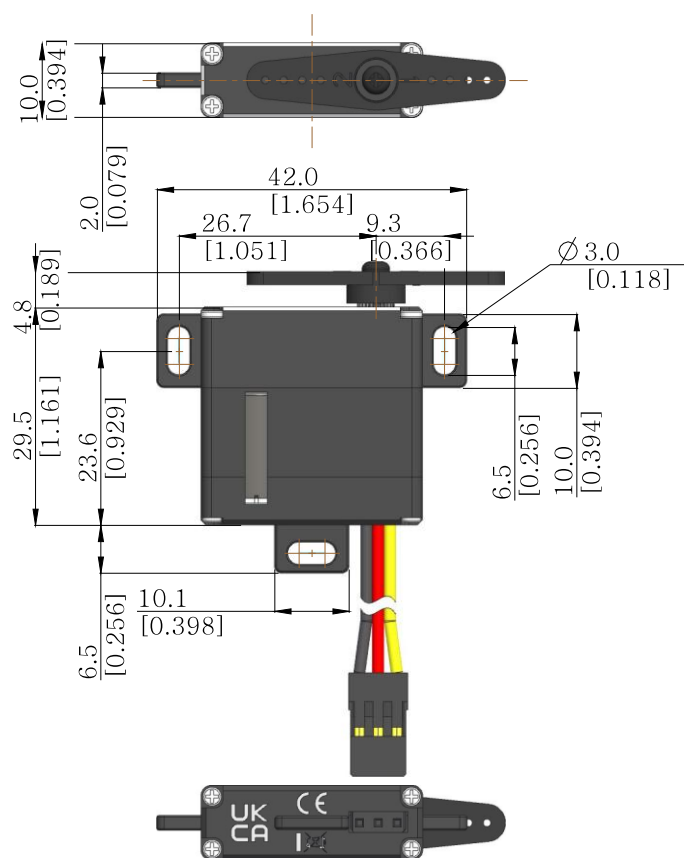


MD141SH General Specification.



Control System	PWM/TTL(Half Duplex)			-
Position Sensor Type	Contactless Magnetic Encoder			-
Motor Type	Coreless			At the Max voltage, it is recommended to be used only for a short time duration.
Operating Voltage Range	3.5 ~ 8.4V			
Voltage	-	6.0V	7.4V	At 25°C(±10%), 45%RH(±10%) <u>measurement environment</u>
No Load Speed	-	0.13sec/60°	0.10sec/60°	
Stall Torque	-	5.7kgf-cm (79.16oz-in)	7.0kgf-cm (97.21oz-in)	
Peak Efficiency Torque	-	1.10kgf-cm (15.83oz-in)	1.40kgf-cm (19.44oz-in)	
Standing Current	-	30mA	30mA	
No Load Running Current	-	130mA	160mA	
Stall Current	-	2,000mA	2,500mA	
Deadband	-	2μs	2μs	
Operating Travel	Default: ±60°, Programmable: Max 320° / Pulse Width: 900~2100μs(Center:1500μs)			-
Continuous Rotation	n/a			-
Operating Temperature Range	-20°C ~ +60°C (-4°F ~+140°F)			-
Storage Temperature Range	-30°C ~ +80°C (-22°F ~+176°F)			-
Connector Wire Length	300mm (11.811inch)			
Connector Wire Gauge	24AWG			
Dimensions	30.0mm x 10.0mm x 29.5mm (1.181inch x 0.394inch x 1.161inch)			General Tolerance ±0.1mm
Weight	26.7g (0.942oz)			Excluding the weight of Horn
Bearing Type	2 Ball Bearing			-
Case Material	Aluminum Alloy			-
Gear Material	1 Metal-Plastic & 4 Steel Gears			-
Gear Train Backlash	Max 0.5°			-
Horn Gear Spline	M25T(Ø5)			-
IP-Rating	IP4X			-
Servo Amplifier Type	32bit Programmable Digital			-



SCALE 2/1

1:1 scale (Unit : mm[inch])

- This product should not be used directly on the human body for medical purposes.
- This product should not be used for war weapons.
- All specifications are subject to change without notice.
- Be careful as strong magnetic fields may cause malfunction of the product.

