
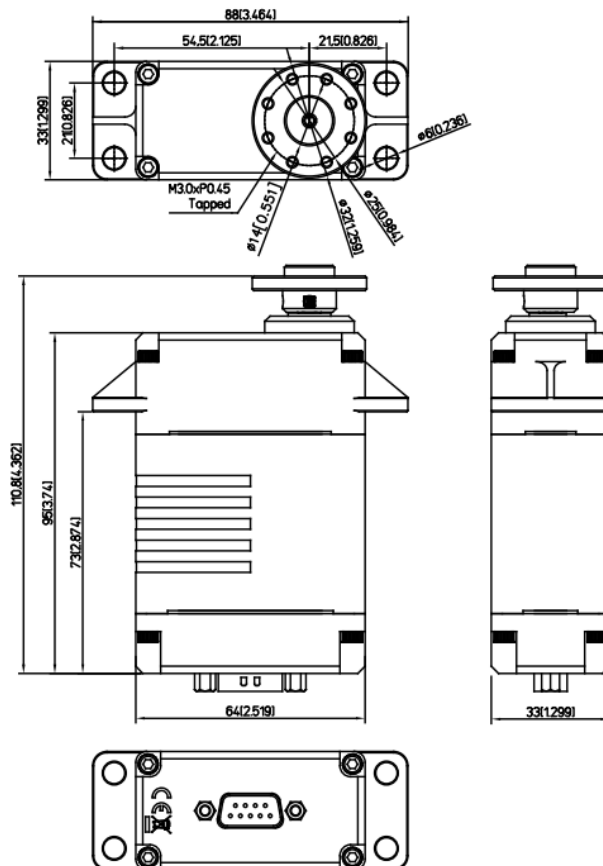


SG33BL-S-12V General Specification.



INDUSTRIAL SERVO

Control system	PWM/RS-485/TTL(Half Duplex)			-
Position sensor type	Contactless Magnetic Encoder			-
Operating voltage range	9.0 ~ 15.0 V			-
Motor type	BLDC			-
Voltage	-	12.0 V	-	At 25°C, 45% (±10%) measurement environment
No load speed	-	0.15sec/60°	-	
Stall torque	-	110.0 kgf·cm(1,529.28oz-in)	-	
Standing current	-	45mA	-	
No load running current	-	400mA	-	
Stall current	-	10,000mA	-	
Dead band width	-	2usec	-	
Operating travel	Standard : ±60°±0.5 / Optional : ±160°±0.5 / Multi Turn : Max ±8 Turn(±2880°)			
Operating temperature range	-30°C ~ +70°C(-22°F TO +158°F)			-
Vibrations at no load	MIL-STD-810G 514.6C-VII			-
Storage temperature range	-40°C ~ +80°C(-40°F ~ +176°F)			-
Connector wire length	-			
Connector wire gauge	-			
Dimensions	64.0 mm x 33.0 mm x 95.0 mm(2.52inch x 1.3inch x 3.74inch)			-
Weight	400.0 g(14.11oz)			-
Ball bearing	6 Ball bearing & 2 Needle bearing			-
Case material	Rugged Aluminum Alloy			-
Gear material	1MPM & 3 Harden Steel Gear			-
Gear train backlash	Max 0.5°			-
Horn gear spline	Square 6.5x6.5			-
IP rating	2			-
Servo Amplifier type	32bit programmable Digital			-
Features	Contactless position sensor / Durable aluminum alloy case & Steel gears with ball bearing & Heat treatment / Waterproof & Dust			
Applications	Industry / UAV / Robotics / Automation			



2:1 scale (unit : mm)

- This product should not be used directly on the human body for medical purposes.
- Do not use for war weapons.
- All specifications are subject to change without notice.



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