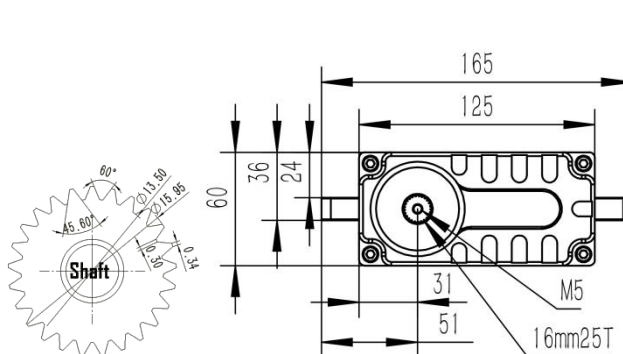
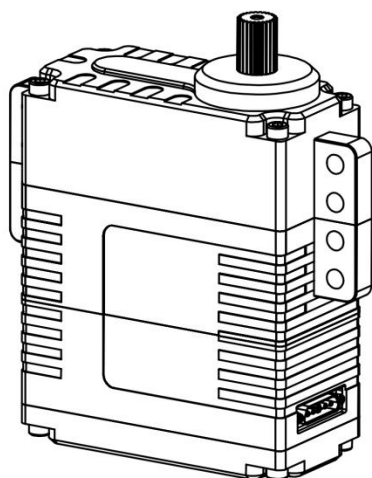
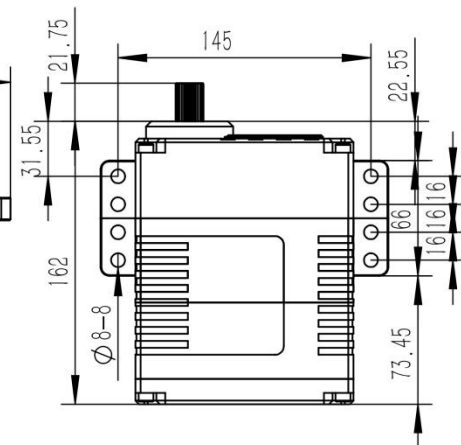


Technical Specification



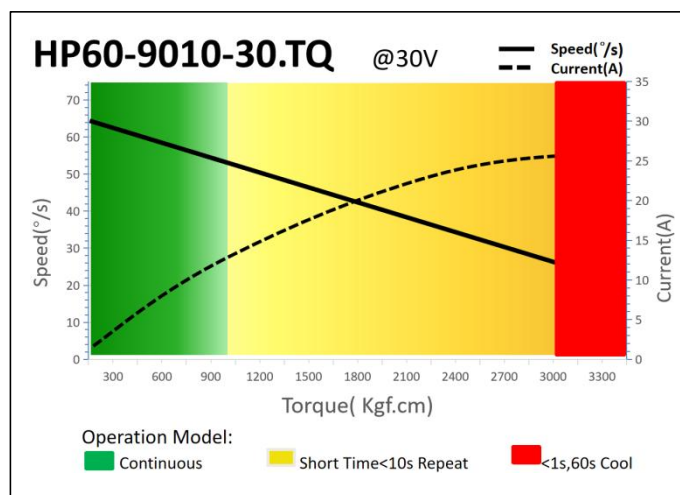
25T-16mm
Output Shaft Spline



1. Operating Data

Rated Voltage	DC30V
Voltage Range	DC24V-32V
No-load current	120mA
Stalling Torque	3000Kgf.cm
No load speed	65°/sec
Rated Speed	52°/sec
Stalling Current	26.0A
Rated Torque	1000Kgf.cm
Rated Current	12.0A
Working Frequency	1520us/333Hz
Pulse Width	500us-2500us
Temperature Range	-30°C.....+75°C
Default Travel Angle	±100°=200° Total angle
Dead Band	2us
Gear Backlash	≤0.5°
Command Signal	PWM/CANOPEN 2.0B/RS485
Dimensions	125*60*162mm(±0.5mm)
Weight	2.90kg±10%
Case Material	Aluminum Alloy
Motor Type	Brushless DC Motor
Gear Set Material	Hardened Steel
Position Sensor:	Contactless
Ball Bearing:	6BB
Shielded Connecting Cable	J30J-11P04JS

2. Performance



3. Command Signal

3.1 PWM Command Interface

Signal Voltage	HIGH: min.3.3V, max.5.0V Low: min.0.0V, max.1.5V
Pulse Width	500us-2500us
Pulse Width for Position	1000us/1500us/2000us -50°/ 0°/+50°

3.2 CAN Bus Command Interface

Baud-Rate	500Kbps
Node number	0 x25 (range 1 ~ 127, 0 is radio)
Communication	CAN Open

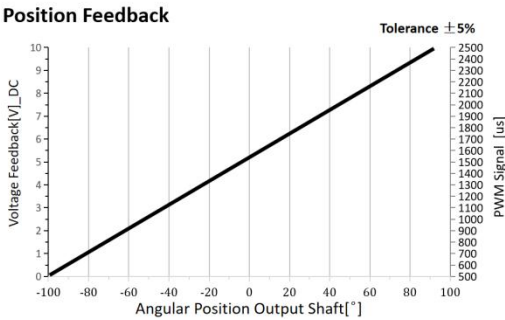
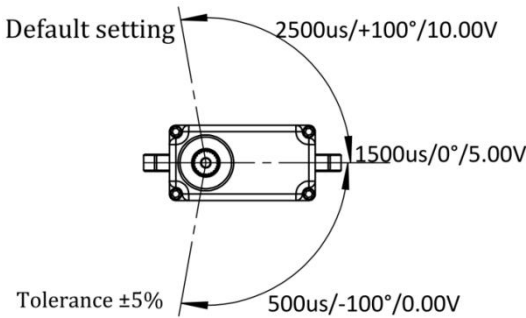
3.3 RS 485 Protocol Specifications

Number of Data Bits	8
Number of Stop Bits	1
Parity	None

3.3 Position Feedback Signal

3.3.1 PWM Feedback

The Position Feedback signal (Pos FB) is an analog output signal with a voltage value which is directly related to the output shaft's angular position. Reference is **FB -**.



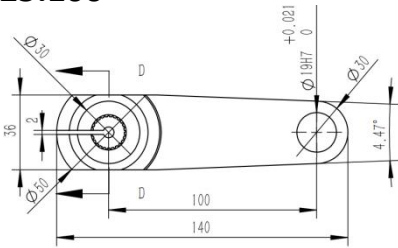
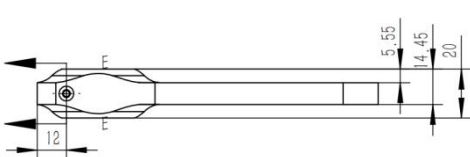
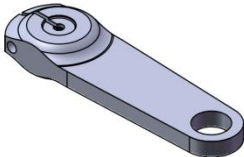
3.3.2 CANBUS Feedback

Integrated in the Bus protocol a Feedback Value, including the Angle position, Temperature, current value. Value read by sending request command. Provide the details of the bus in the document.

4. Electrical Connection - J30J-11P04KP

Pin	Description	Pin	Description
A	DC- Supply Ground	C	DC+ Supply Voltage
1	PWM	2	FB + Feedback Signal
3	FB - Feedback Signal Ground	4	RS485A
5	RS485B	6	CAN-H
7	CAN-L		

5. Accessories: Aluminum Servo Horn , Item No. : 1625.100



6. Item Number System

HP	60	-	9010	-	30	.	TQ
High Power	60mm Class		Servo Type		DC30V		Torque