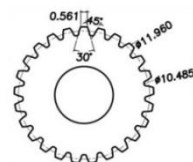
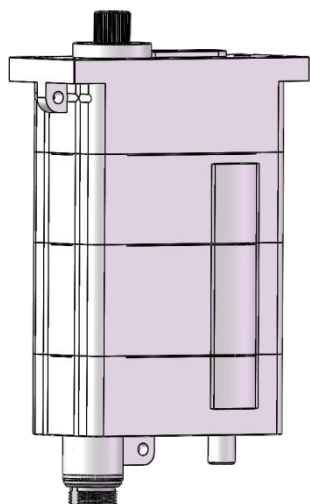
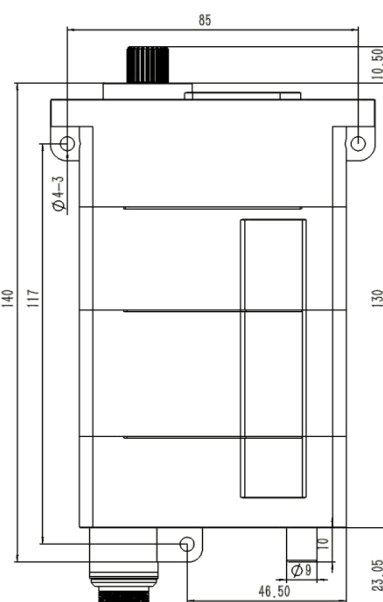
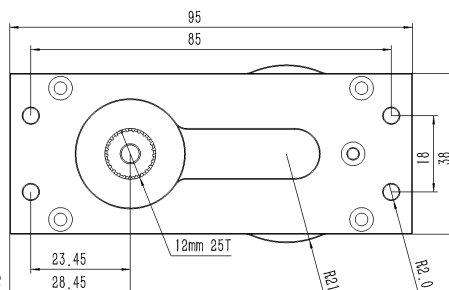


Technical Specification



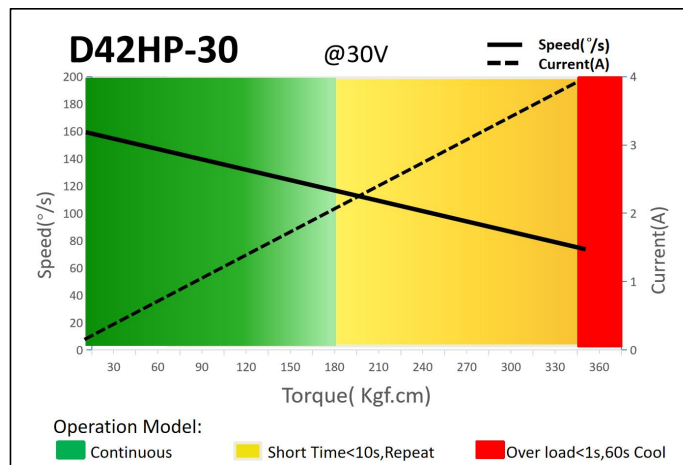
25T-12mm
Output Shaft Spline



1. Operating Data

Rated Voltage	DC30V
Voltage Range	DC20V-32V
No-load current	50mA
Rated Torque	180Kgf.cm
Stalling Torque	350Kgf.cm
Rated Current	2.2A
Stalling Current	4.0A
No load speed	160°/sec
Rated Speed	120°/sec
Temperature Range	-30℃.....+85℃
Default Travel Angle	±100° =200° Total angle
Gear Backlash	≤0.5°
Command Signal	RS 485/CANOPEN 2.0B
Dimensions	95*38*130mm(±0.2mm)
Weight	1060g±10%
Case Material	Aluminum Alloy
Motor Type	Brushless DC Motor
Gear Set Material	Hardened Steel
Position Sensor:	Contactless
Ball Bearing:	6BB
Waterproof	Under water 500m

2. Performance



3. Command Signal

3.1 RS 485 Command Interface

Baud-Rate	115.2Kbps
Protocol (Documentation available)	10 Byte (incl. 1 byte Check Sum)

3.1.1 RS 485 Protocol Specifications

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

3.1.2 Command / Response Frame

Byte #	Description	Byte #	Description
1	Frame Head(0xFE)	6	Data
2	Version(0xCA)	7	Data
3	Address	8	Data
4	Command code	9	Check Sum
5	Data	10	Frame End

3.2 CAN Bus Command Interface

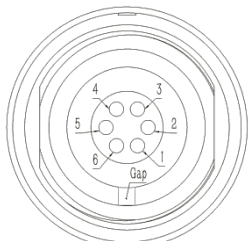
Baud-Rate	500Kbps
Node number	0 x25 (range 1 ~ 127, 0 is radio)
Communication	CAN Open

3.3 Position Feedback Signal

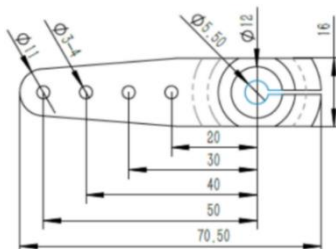
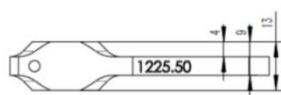
3.3.1 Feedback Value (Bus Version)

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. Industrial electrical Connector Pin Assignment

	Pin	Description	Pin	Description
	1	28V +	2	GND
	3	485A	4	485B
	5	CAN_High	6	CAN_Low

5. Accessories : Aluminum Servo Horn, Item No.: 1225.50



6. Item Number System

