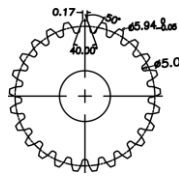
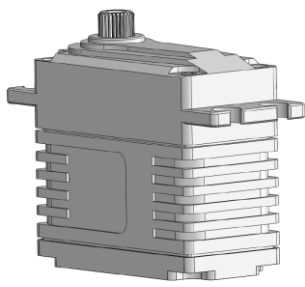
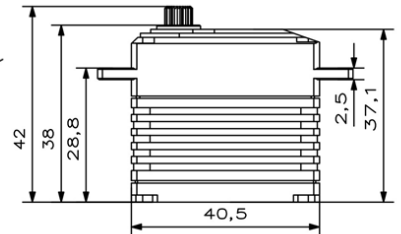
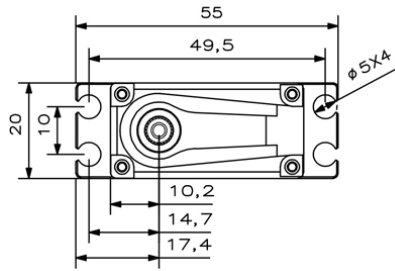


A20-3813-3 Technical Specification



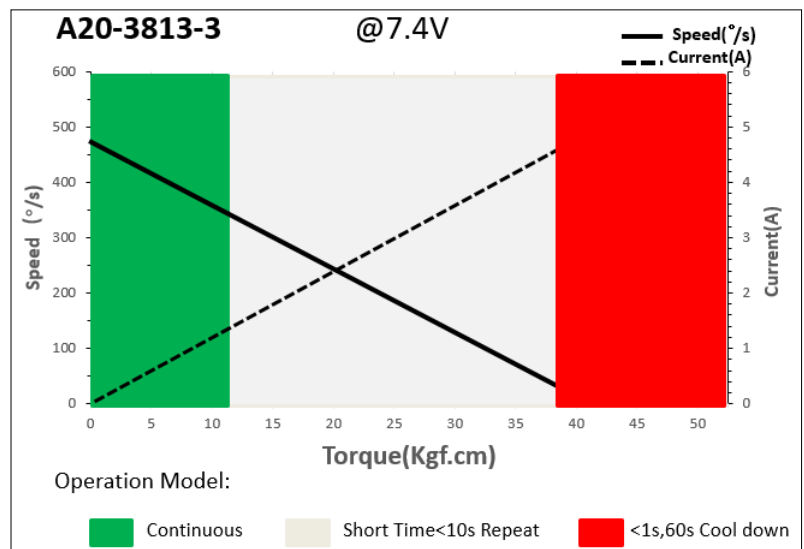
25T 6mm Output
Shaft Spline



1. Operating Data

Rated Voltage	DC7.4V
Voltage Range	DC6.0V-8.4V
Torque	30Kgf.cm@6.0V
	38Kgf.cm@7.4V
	43Kgf.cm@8.4V
Speed	0.18sec/60°@6.0V
	0.13sec/60°@7.4V
	0.12sec/60°@8.4V
Working Frequency	1520us/333Hz
Default Travel Angle	± 50°=100°Total
Temperature Range	-20°C.....+65°C
Case Material	Aluminum Alloy
Motor Type	Brushless DC Motor
Gear Set Material	Hardened Steel
Position Sensor	potentiometer
Ball Bearing	2 BB
Case Dimensions	40.5*20*38mm±0.2mm
Weight	72g±10%

2. Performance



3. Command signal


3.1. CAN Bus Command Interface

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

3.2. Feedback Signal

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.

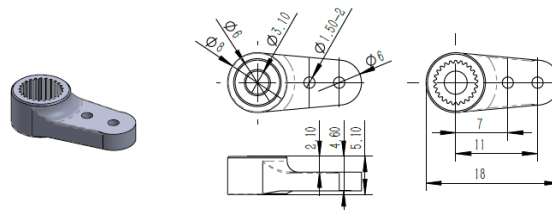
4. Electrical Connection Options

	Pin Assignment (CAN_BUS)			
	1	Yellow	CAN_H	CAN high
	2	Red	DC+	Supply Voltage
	3	Brown	DC-(GND)	Supply Ground, Signal Ground
	4	white	CAN_L	CAN low

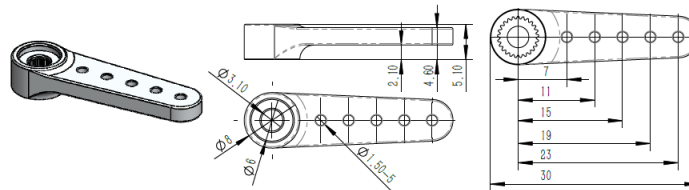
5. Accessories (Options)

Item	Item-No.
Aluminum Servo Arm (Single side)	0625.11
Aluminum Servo Arm (Single side)	0625.23
Aluminum Servo Arm (Single side)	0625.40
Aluminum Servo Arm (Double side)	0625.60

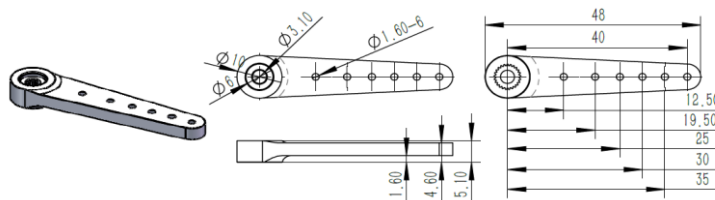
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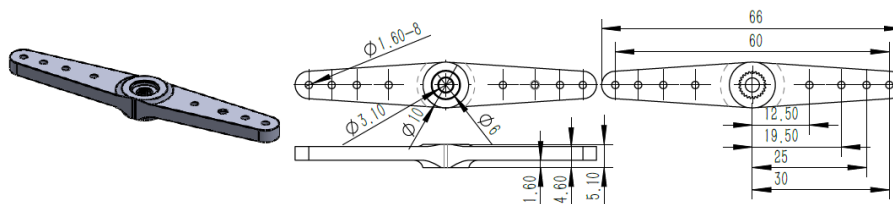
Item No.: 0625.23



Item No.: 0625.40



Item No.: 0625.60



6. Item Number System

A20 – 3813	-3.X	
Servo Class	Performance	Control:
20mm Class	38: Stalling Torque (3.8N.m)	3.1: CAN open standard frame
	13: No-load Speed (0.13Sec/60°)	3.2: CAN Extended frame