

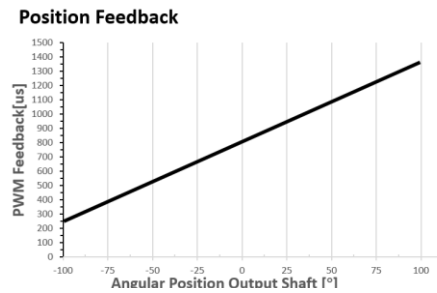
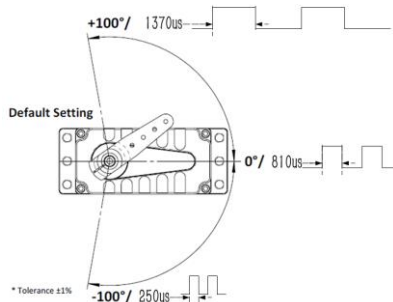
3.3 CAN Bus Command Interface

| | | | |
|-------------|-----------------------------------|---------------|---|
| Baud-Rate | 500Kbps | Communication | 3.1: CAN Open standard frame 3.2: CAN Extended frame |
| Node number | 0 x25 (range 1 ~ 127, 0 is radio) | | |

3.4. Feedback Signal

3.4.1 Position Feedback Signal (PWM Versions)

The Position Feedback signal is an output signal with a square wave, which is directly related to the output shaft's angular position. Reference is Supply Ground.



3.4.2 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. Electrical Connection Options

4.1 Shielded Cable, Open leads (Version B) (KFVP 2*0.14+2*0.30 AFR250, Cable diameter ≤ ϕ 4.3mm)

| | Pin Assignment (PWM) | | | Pin Assignment (RS485) | | | Pin Assignment (CAN_BUS) | | |
|--|----------------------|-------|-----|------------------------|-------|----------|--------------------------|-------|-------|
| | 1 | Red | DC+ | 1 | Red | DC+ | 1 | Red | DC+ |
| | 2 | Black | DC- | 2 | Black | DC- | 2 | Black | DC- |
| | 3 | White | SIG | 3 | White | RS 485 B | 3 | White | CAN_L |
| | 4 | Blue | NC | 4 | Blue | RS 485 A | 4 | Blue | CAN_H |

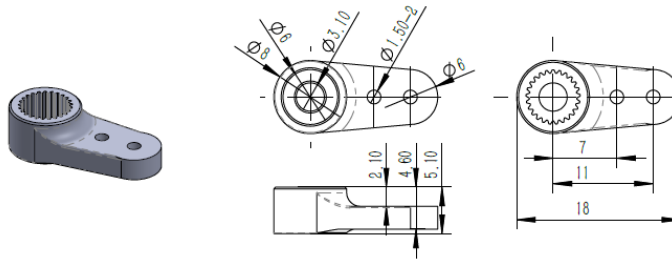
4.2 Industrial Standard J30J-9ZKP electrical Connector (Version A)

| | Assignment PWM | | Assignment RS485 | | Assignment CAN | | Assignment RS422 | |
|--|----------------|---------------------|------------------|---------------------|----------------|---------------------|------------------|---------------------|
| | 1 | DC + Supply Voltage | 1 | DC + Supply Voltage | 1 | DC + Supply Voltage | 1 | DC + Supply Voltage |
| | 2 | NC Do not connect | 2 | NC Do not connect | 2 | NC Do not connect | 2 | NC Do not connect |
| | 3 | DC- Supply Ground | 3 | DC- Supply Ground | 3 | DC- Supply Ground | 3 | DC- Supply Ground |
| | 4 | PWM Command Signal | 4 | RS485A | 4 | CAN_H | 4 | RX+ |
| | 5 | NC Do not connect | 5 | RS485B | 5 | CAN_L | 5 | RX- |
| | 6 | NC Do not connect | 6 | NC Do not connect | 6 | NC Do not connect | 6 | TX+ |
| | 7 | NC Do not connect | 7 | NC Do not connect | 7 | NC Do not connect | 7 | TX- |
| | 8 | NC Do not connect | 8 | NC Do not connect | 8 | NC Do not connect | 8 | NC Do not connect |
| | 9 | NC Do not connect | 9 | NC Do not connect | 9 | NC Do not connect | 9 | NC Do not connect |

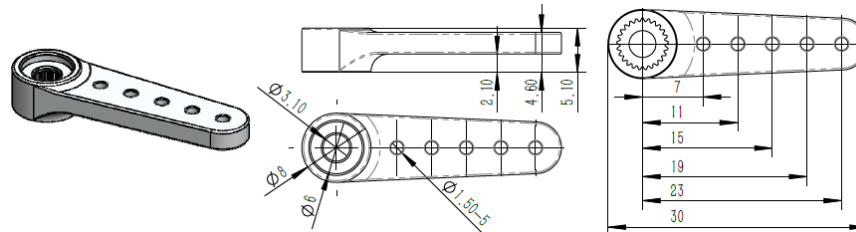
5. Accessories List

| Model | Output Shaft Spline | Item | Item No. |
|------------------|---------------------|-----------------------------------|----------|
| HS20-30-M-5525-X | 25T 6mm | 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 |

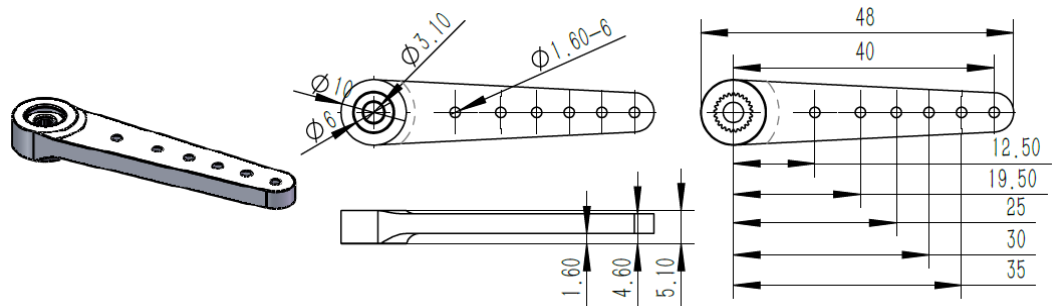
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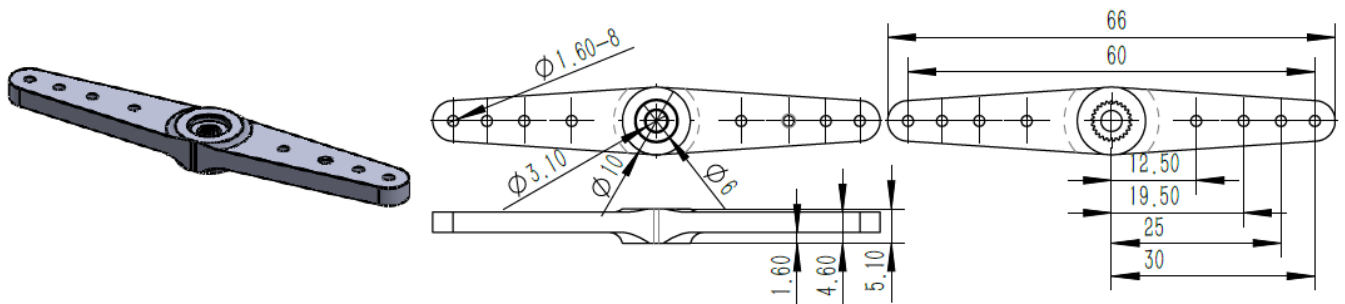
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Item No.: 0625.40



Item No.: 0625.60



6. Item Number System

| | | | | | | | | | |
|----------------|----|---|----|---|----------------|---|------------|------------------------------|---|
| HS | 20 | - | 30 | - | M | - | 5525 | - | x |
| Servo Class | | | | | | | | Command | |
| 20mm Class | | | | | | | | 1: PWM | |
| | | | | | | | | 2: RS485 | |
| Supply Voltage | | | | | | | Servo Type | 3.1: CAN Open Standard Frame | |
| 30: DC30V | | | | | | | 5525 | 3.2: CAN Open Extended Frame | |
| | | | | | Sensor | | | | |
| | | | | | M: Contactless | | | | |