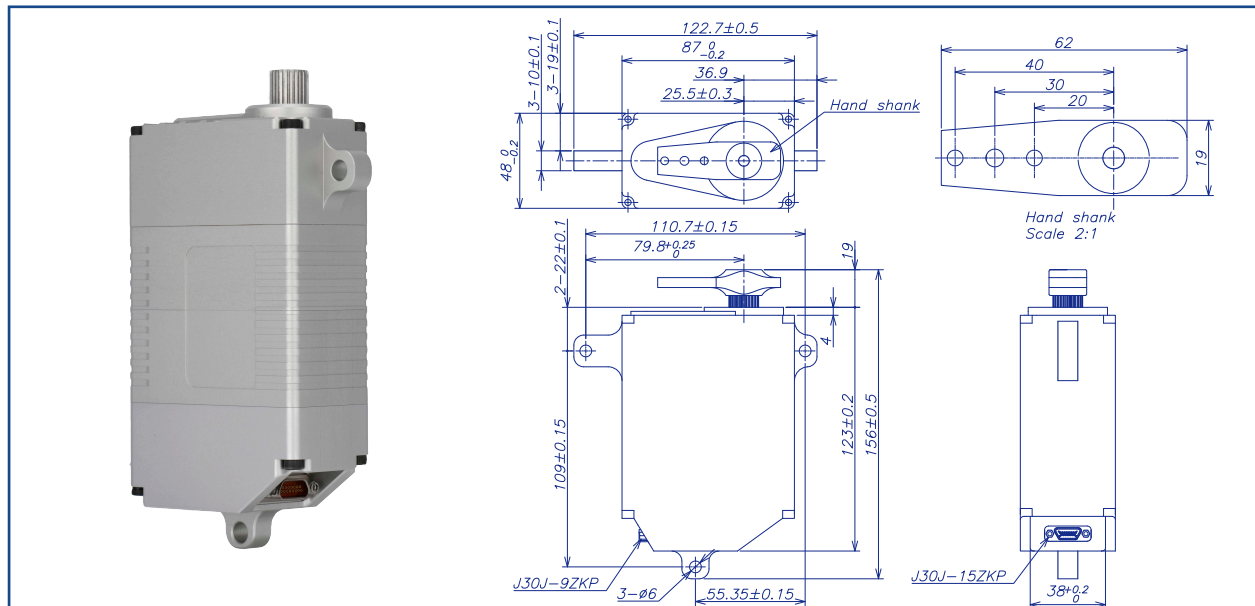


AM-8748HPP3260BF-286-2424EA Series



SERVO ACTUATOR DATA

Rated voltage	DC 27V	Default angle	±100°
Voltage range	DC 24V-32V	Operating temperature range	-40°C ~ +65°C
Peak torque	65 N.m@27V	Shell material	7075 T6
Rated torque	20 N.m@27V	Motor type	DC Brushless motor
No load rotation speed	180°/Sec@27V	Gear material	Steel
Rated rotation speed	135°/Sec@27V	Position sensor	Non-contact sensor
Peak current	<10A	Outline dimension	165mm*122.7mm*48mm
Rated current	4A 120%Max	Weight (hand shank not included)	1350g Max

COMMAND SIGNAL

PWM Command interface		RS485 command interface and protocol specifications	
Signal voltage	HIGH:min.3.3V, max.5.0V LOW:min.0V, max.1.5V	Baud-rate	57600±1.5% bits/s
Pulse lengths	500µs-2500µs	Protocol(Documentation available)	10 Byte(incl.1byte check sum)
Pulse lengths for position	500µs/1500µs/2500µs -100°/0°/+100°	Number of data bits	8
		Number of stop bits	1
		Parity	None

CONNECTOR

Industrial standard J30J-15ZKP & J30J-9ZKP electrical connector

J30J-15ZKP PWM		J30J-9ZKP RS485	
1-4	DC + Supply voltage	1	RS-485A
12-13		2	SWCLK
9	NC Do not connect	3	SWDIO
		4	GND
5-8	DC- Supply ground	5	DIO(3.3~5V)
14-5		6	RS-485B
10	PWM Command signal	7	A+
11		8	B+
		9	Z+

Motor data tested at 25°C. Motor operation exceeding continuous limits will reduce life or result in damage.
At elevated ambient temperatures, load current must be reduced.

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