FD322S Series Servo Driver

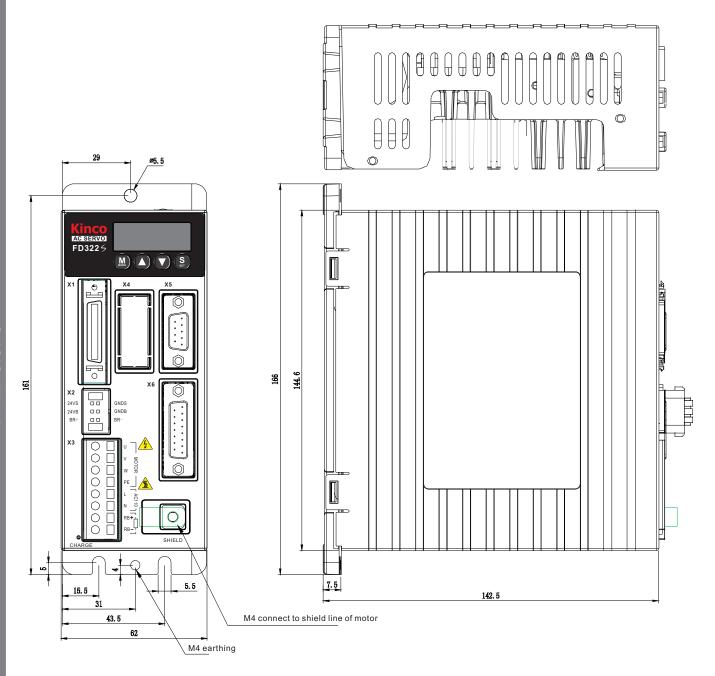


- 88-126VAC Single Phase Input
- 200-750 Watt Power Range
- Position, Speed, and Torque Control
- Communication Ports: RS232 and RS485
- Communication Protocol: MODBUS
- 2500PPR Incremental Encoder
- Communication Software
 - ° Configure Parameters
 - ° I/O Signal Monitoring
 - ^o Speed and Position Curves
 - ° Gain Adjustments
- Programmable Inputs and Outputs
 - ° 7 Inputs
 - ° 4 Outputs
- 2 Analog Inputs
- CE Certified



The FD322S Series Servo Drive is a great fit for applications requiring position, speed and/or torque control methods. The uniqueness of this servo drive is the flexibility of using a single servo drive that can accomodate motors with power ratings ranging from 200-750W. Also it is designed to switch dynamically among different control methods for more flexible operation. The FD322S Series Servo Drive operates with single-phase 88-126VAC input. These drives come standard with an RS232 and RS485 which can be operated using MODBUS Protocol, or using our Free, Easy-to Use Sofware. Please consult our Application Engineers for more information.

	Category	Servo Driver	Servo Motor	Description	Power/Brake Cable	Encoder Cable	Rated Speed/ Rated Torque/ Rated Current
		 FD322S-LA-000	SMH60S-0020-30AAK-3AKH	Cable Connector	MOT-005-05-KL	_	
	Small Inertia 120V		SMH60S-0020-30ABK-3AKH	Cable Connector and Brake	MOT-005-LL-KL/ BRA-05-KL	ENCCA-05-KH	3000rpm/0.64Nm/ 2.7A
			SMH60S-0040-30AAK-3AKH	Cable Connector	MOT-005-05-KL		3000rpm/1.27Nm/ 4A
			SMH60S-0040-30ABK-3AKH	Cable Connector and Brake	MOT-005-05-KL/ BRA-05-KL		



Note: All Dimensions in (mm)

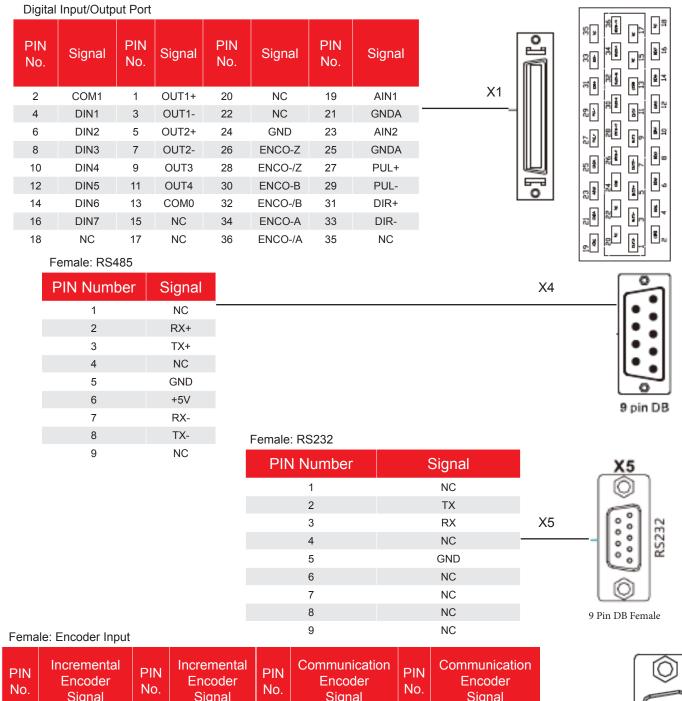


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Mod	lel Parameter	FD322S Series				
Device	Main Supply Voltage	88-126VAC 47~63Hz				
Power	Control Circuit Voltage	18-30VDC 1A				
Current	Rated Current (RMS)	5A				
Current	Peak Current (PEAK)	15A				
Fee	edback Signal	2500PPR (Incremental Encoder with 5V Supply)				
Br	ake Chopper	Use an External Braking Resistor According to Application, Mainly in Occasion of Quick Stop.				
Brake C	Chopper Threshold	DC190V ± 5V				
Over-Voltag	ge Alarming Threshold	DC200V ± 5V				
Under-Volta	ge Alarming Threshold	DC100V ± 5V				
Co	ooling Method	Natural Air Cooling				
	Weight	1.2 Kg				
	Input Specification	7 Digital Inputs, with COM1 Terminal for PNP (High Level Valid 12.5-30V) or NPN (Low Level Valid) Connection.				
Digital Input	Input Function	Define Freely According to Requirement, Supporting Following Functions: Driver Enable, Driver Fault Reset, Driver Mode Control, Proportional Control, Positive Limit, Negative Limit, Homing Signal, Reverse Command, Internal Speed Section Control, Internal Positive Section Control, Quick Stop, Start Homing, Active Command, Switch Electronic Gear Ratio, Switch Gain.				
	Output Specification	5 Digital outputs, OUT1~OUT4 Current is 100mA, BR+/BR- (Brake Control Output) Current is 800mA, Can Drive Brake Device Directly.				
	Output Function	Define Freely According to Requirement, Supporting Following Functions: Driver Ready, Driver Fault, Positon Reached, Motor at Zero Speed, Motor Brake, Motor Speed Reached, Z Signal, Maximum Speed Obtained in Torque Mode, Motor Brake, Position Limiting, Reference Found, Multi-Position Reached				
Digital Output	Analog Input	2 Analog input, can be used to control speed and Torque, the input range is -10V~10V				
	Encoder Signal Output	Output Encoder Signal is Optional, Used in Multiple Axis Synchronous Control, Supports 2MHz at Most				
	RS232	The Max. Baudrate is 115.2KHz, Use Kinco Servo Software to Communicate with PC, or Via Free Protocol to Communicate with Controller.				
	Protection Functions	Over-Voltage Protection, Under-Voltage Protection, Motor Over-Heat Protection (I²T), Short-Circuit Protection, Drive Over-Heat Protection, Etc.				
	Operating Temperature	0 ~ 40°C				
	Storage Temperature	-10°C~70°C				
	Humidity (Non-Condensing)	5~95%				
Operation	Protection Class	IP20				
Environment	Installation Environment	Installed in a Dust-Free, Dry and Lockable Environment (Such as in a Electrical Cabinet)				
	Installation Mode	Vertical Installation				
	Altitude	No Power Limitation Below 1000m				
	Atmospheric Pressure	86kpa-106kpa				



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PIN No.	Incremental Encoder Signal	PIN No.	Incremental Encoder Signal	PIN No.	Communication Encoder Signal	PIN No.	Communication Encoder Signal		
1	+5V	9	GND	1	+5V	9	GND	X6	
2	Α	10	/A	2	NC	10	NC		
3	В	11	/B	3	NC	11	NC	Motor Encoder ' Input Port	
4	Z	12	/Z	4	NC	12	NC		
5	U	13	/U	5	NC	13	NC		
6	V	14	/V	6	NC	14	NC		
7	W	15	/W	7	SD	15	/SD		\bigcirc
8	PTC_IN			8	NC				