

Servo Drive

E-SAC-HZ5 / 400 W – 750 W

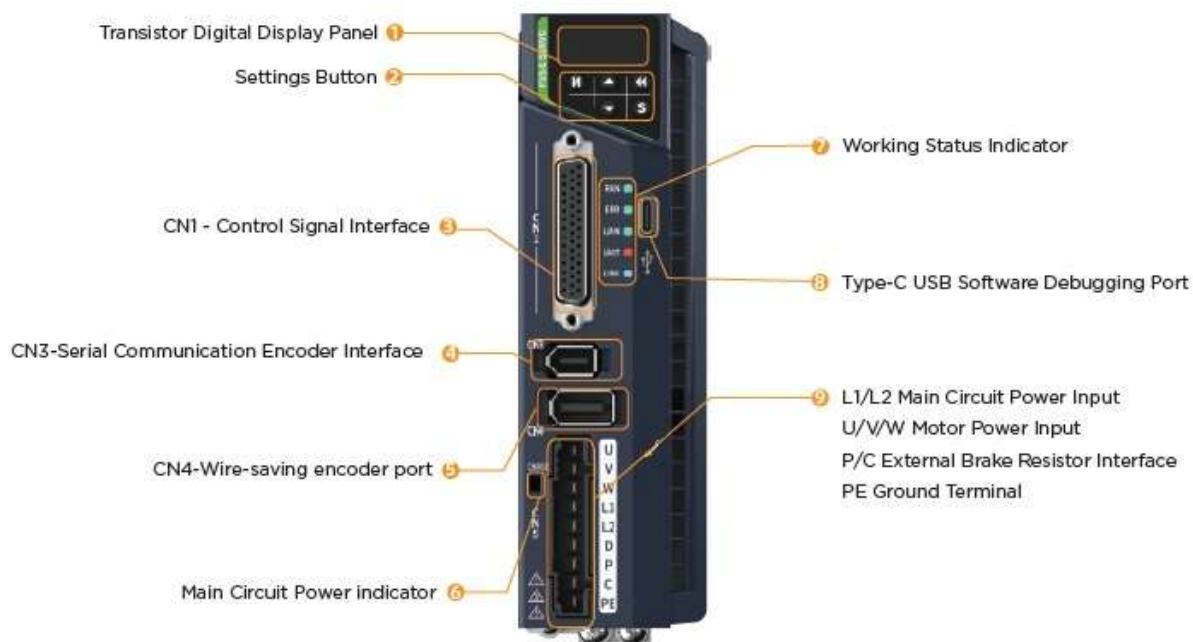


Main features

- Rotary Servo & Direct-drive Servo
- 17-bit & 23-bit - Biss-C encoder, ABZ encoder
- High speed DI & DO - High precision 16-bit analog
- Safe Torque Off (STO)
- UL certification
- CE certification

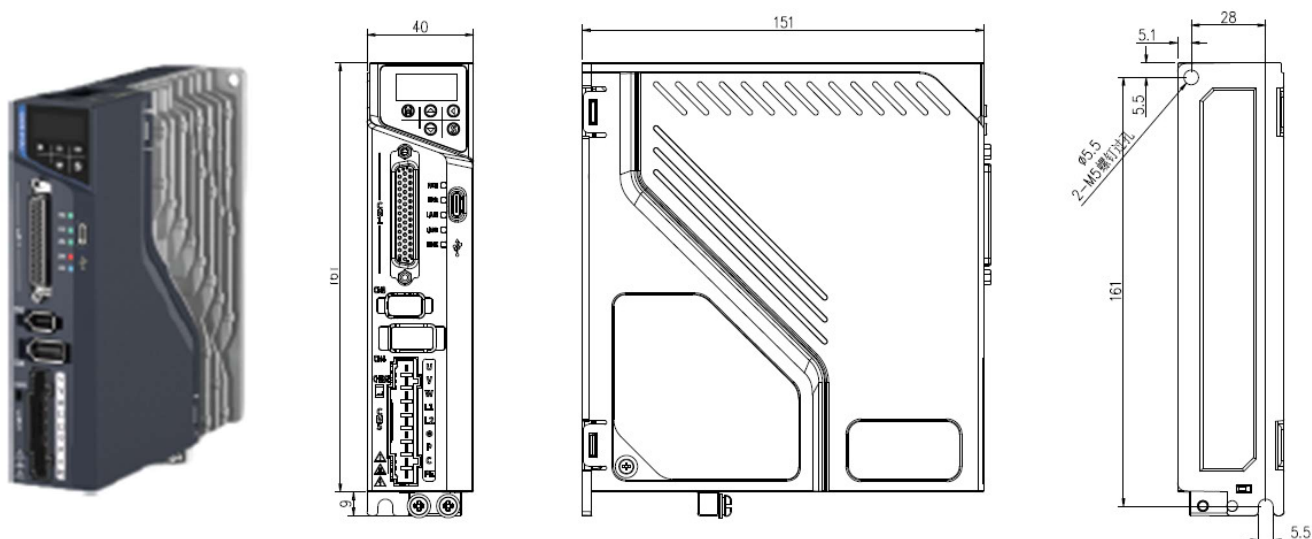
Technical Characteristics

Ordering number		E-SAC-HZ5-U3-PA2R8	E-SAC-HZ5-U3-NA2R8	E-SAC-HZ5-U3-PA5R5	E-SAC-HZ5-U3-NA5R5
Motor type		DD motors, linear motors, voice coil motors, rotary motors			
Control mode		Analog / Pulse	EtherCat / Analog	Analog / Pulse	EtherCat / Analog
Rated current (Arms)		2.8		5.5	
maximum output current (Arms)		10.1		16.9	
Input power supply (V)		Single phase 200/220VAC			
Rated power (W)		400		750	
Communication port	Background communication	Type-c USB			
	EtherCAT communication	No	Yes	No	Yes
	RS485 communication	Yes	No	Yes	No
Encoder interface	CN3	Biss-C Encoder / Tamagawa,Nikon Protocol Communication Encoder			
	CN4	ABZ Encoder			
IO Specification	AI	2 channels (16-bit per channel plus 12-bit per channel)	1 channel (16-bit per channel)	2 channels (16-bit per channel plus 12-bit per channel)	1 channel (16-bit per channel)
	Normal Digital Input	6	3	6	3
	High-Speed Digital Input	2	2	2	2
	Normal Digital Output	5	2	5	2
	High-Speed Digital Output	No	2	No	2
	Low-Speed Pulse Input	Collector input mode: 200kpps	No	Collector input mode: 200kpps	No
	High-Speed Pulse Input	Differential input mode: 4Mpps	No	Differential input mode: 4Mpps	No
STO (Safe Torque Off)		No	Yes	No	Yes
Encoder Differential Output		Yes			
Encoder Z-phase Pulse OC Output		Yes			
Dynamic braking		Yes			
Mode temperature protection		Yes			
Brake function		External braking resistor		Built-in braking resistor	
Built-in braking resistor resistance (Ω)		-		50	
Built-in braking resistor capacity (W)		-		50	
Minimum external braking resistor resistance (Ω)		40		40	

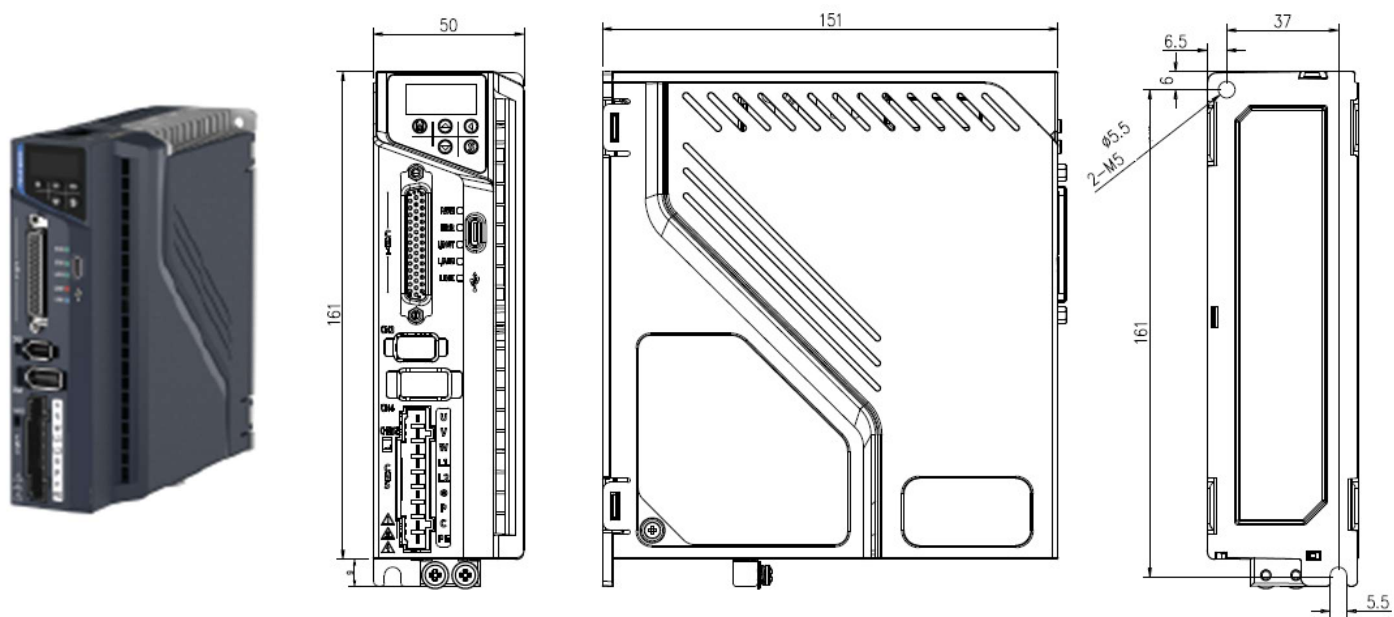


Dimensions

E-SAC-HZ5-U3-PA2R8 / E-SAC-HZ5-U3-NA2R8

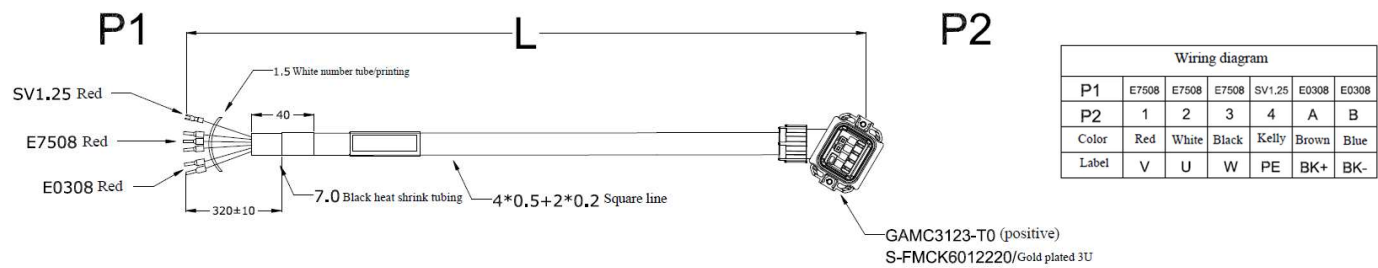


E-SAC-HZ5-U3-PA5R5 / E-SAC-HZ5-U3-NA5R5

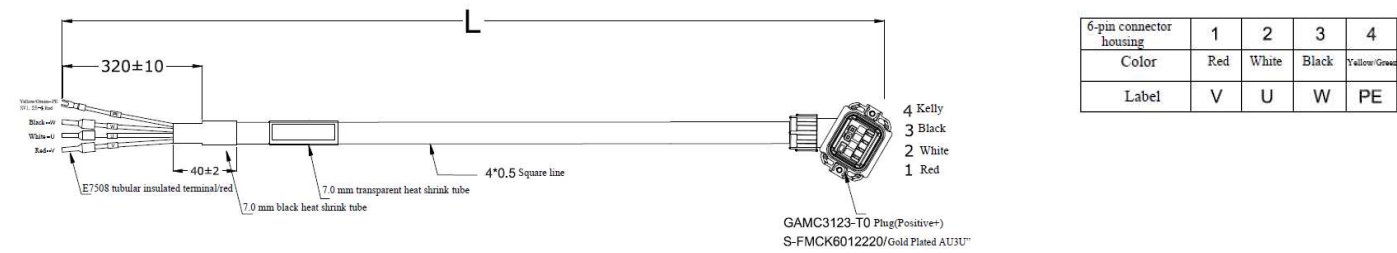


Accessories

Power cable (with brake)
Ordering number: S-CNF-HZL-MBA05-05-E-P (length 5m), S-CNF-HZL-MBA05-10-E-P (length 10m)



Power cable (without brake)
Ordering number: S-CNF-HZL-MMA05-05-E-P (length 5m), S-CNF-HZL-MMA05-10-E-P (length 10m)



Encoder cable (with battery)
Ordering number: S-CNF-HZL-PA725-05-E (length 5m), S-CNF-HZL-PA725-10-E (length 10m)

