



DSE514FA series

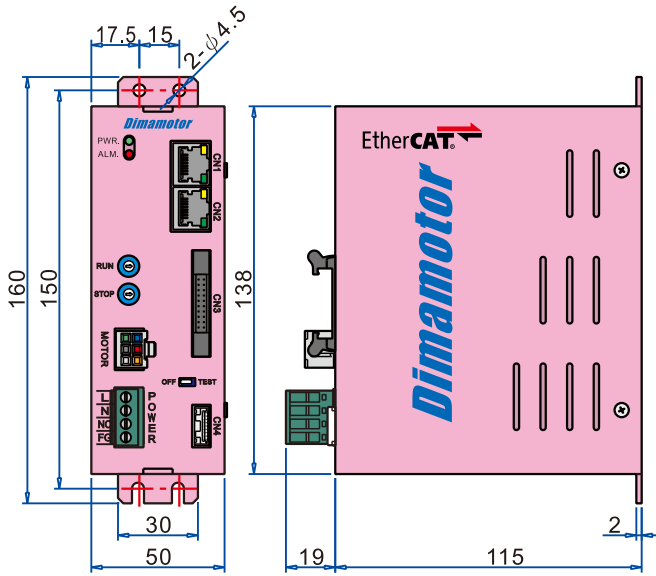
Feature:

- AC input 110~220V full voltage range 5-phase communication driver
- The EtherCAT slave is integrated with the digital I/O of the drive, eliminating the need for a bridge, achieving the goal of saving cost and wiring.
- With an absolute encoder, it has a position memory function when the power is off, which can save the external Sensor to achieve the goal of saving wiring.
- Support CIA402 protocol, provide PV, CSP, CSV, HM modes.
- The position signal of the encoder type stepping motor can be directly pulled back to the driver for monitoring.
- With offline function control, 4-stage position control can be performed through I/O

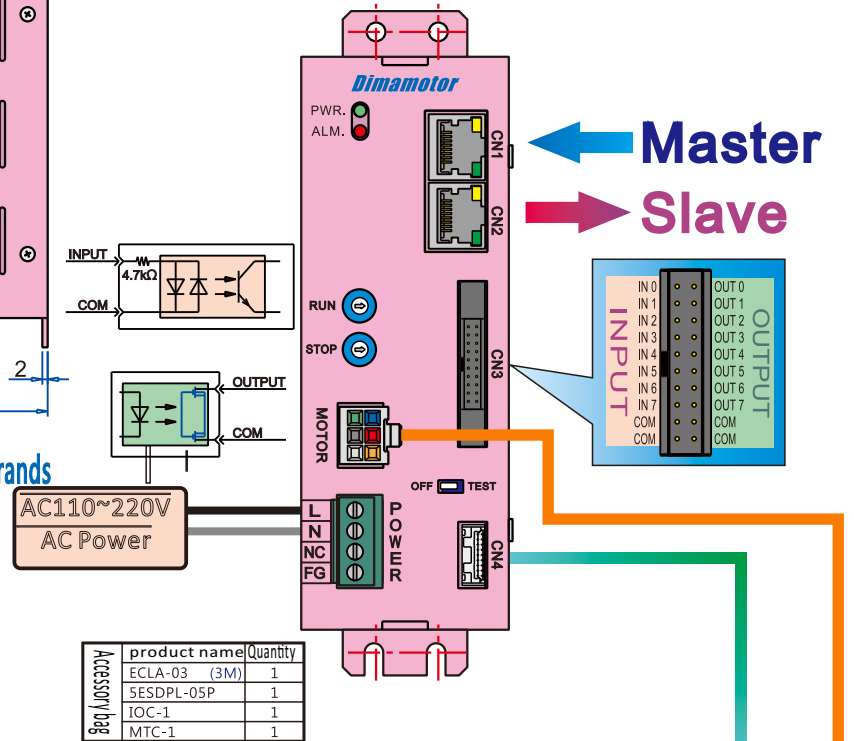
Specification

Model	DSE514FA
Input power	1 ϕ AC 110~220 V 50/60HZ
Drive current	0.4~1.4A/ phase
Step Angle Split Setting	1000 splits per revolution
Absolute encoder	Single-turn:17 BIT Multi-turn :16 BIT
Battery specification	lithium battery 18650
Digital I/O	4 Inputs / 6 Outputs
Data transmission line	Ethernet cable (CAT5e) · Shield type : S / STP or S / UTP
E t h e r n e t interface	2x RJ-45
Data transfer rate	100Mbps · Full duplex
Protocol	EtherCAT
Device profile	CiA 402
Operating mode	Profile velocity mode. Homing mode. Cyclic synchronous position mode. Cyclic synchronous velocity mode.
Function	* Automatic current shutdown when overheating * Automatic current drop (ACD) function
Protection mechanism	* Driver over-temperature protection
light display	POWER (Green) ALARM (Red)
Ambient temperature (°C)	0°C ~ +40 °C (Non-condensing state)
Dimensions (mm)/Weight (g)	L 138 (With feet 160) ×50(W)×H115(with connector134)/ 730

■ Dimensions (unit: mm)



■ Wiring diagram



■ Wiring comparison table of stepper motors of various brands

Phase	Dimamotor Standard type	Precision Linear
A	Blue	
B	Red	
C	Orange	
D	Green	
E	Black	

MOTOR

■ 5-phase stepping motor internal wiring diagram

