

# Electric Displacement Stage Peripheral Equipment ▶ DC24-48V

## Two-phase Bus-controlled Stepper Motor Driver



Please order according to the diagram

1~2 Select the type and parameters in the order for ordering.

Model(1Code)

RCYOJ

2 Voltage

DC24-48V



DiscoUnlited Price

Quantity	1~9	10~
Price	100%	Separate Quotation

Price Excluding Tax (Yuan)



Code

RCYOJ

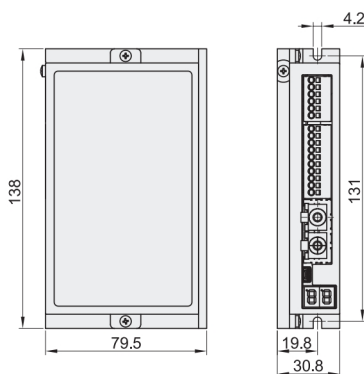
Type

Two-phase Bus-controlled Stepper Motor Driver

### Features

- Programmable, compact-sized stepper motor driver;
- Based on the 100BASE-TX Ethernet transmission standard, with a communication baud rate of 100 Mbps;
- Supports VoE (Vendor-specific Profile over EtherCAT) bus for firmware downloads;
- Features Position and Homing modes, as well as Moons' unique Q-programming mode;
- Dual RJ45 connectors for EtherCAT communication;
- USB mini port for driver parameter configuration;
- Maximum output current of 5A per phase (sine wave peak);
- 5-channel opto-isolated digital signal inputs, directly accepting 5~24V DC high-level signals;
- 2-channel opto-isolated digital signal outputs, with a maximum withstand voltage of 30V and a maximum sinking or sourcing current of 100mA.

① Attention should be paid to the polarity of the power supply to avoid reverse connection.



Model	Voltage	Drive Current	Subdivision
Code			
RCYOJ	DC24-48V	5A/phase	16 Speed

### Electrical Performance

Control Mode	EtherCAT, Q Programming
Output current	0.1~5.0A
Communication Interface	EtherCAT, USB mini
Encoder feedback	No
Protection class	IP20
Power amplifier type	Dual H-bridge, quadrant
Current control	20KHz PWM Control
Input voltage range	18~53VDC
Protection Function	Overvoltage Protection, Undervoltage Protection, Over-Temperature Protection, Overcurrent Protection, Motor Wire Open Circuit Detection, Communication Line Open Circuit Detection, etc.
Standby current attenuation	When the motor stops in standby mode, after a configurable delay (can be set to millisecond level), the standby current can decay to 0%~90% (percentage adjustable) of the operating current.
Digital Input	5 channels Digital Inputs
Digital Output	2 channels Digital Inputs
Certification	CE
Ambient Temperature	0~40°C (32~104°F) (Installation of a suitable radiator)
Ambient Humidity	Up to 90% RH, non-condensing