

Closed-Loop Control Driver



EtherCAT[®]

Wire saving
Low latency High
Transmission

Simultaneous control of 99 axes

Closed-loop control system

Suitable for motors of various brands

Features:

- **EtherCAT** : The interface features the highest synchronization rate in the industry, it is full duplex, high reliability and low delay.
- **CoE and CiA402 Standards** : PP, PV, CSP, CSV and Home modes and up to 31 homing approaches.
- **Closed-loop system** : Enhances the movement positioning precision, automatic out-of-step compensation and abnormal positioning alarm.
- **Optical and magnetic encoder support** : encoders that comply with ABN can be connected to the driver.
- **Run and stop current setup** : It enhances the running torque of the motor and reduces power consumption while stopping or waiting at the same time.

Driver Specifications Table :

Item		Description
Model		P-SERVO EC
Voltage		24VDC $\pm 10\%$
Rated current of the driver		up to 3.1 Arms
Type of motor		2-phases step motor (with encoder)
System framework		Closed-loop control system
Function	Rotation speed	0~3,000rpm
	Positioning resolution	200 ~ 51,200ppr (For detailed settings, please refer to the corresponding object)
	Protection functions	overcurrent, overspeed, maximum count error, overheating, motor wiring abnormality, encoder wiring abnormality, positioning error, position value overflow protection, memory error, internal communication error
	LED display	Power status, positioning status, excitation status, warning light, execution status
Input/Output signal	Input signal	3 specified inputs (left limit, right limit & origin), 8 user-defined inputs
	Output signal	1 specified output 8 user-defined outputs
Communication interface		EtherCAT
Support protocol		CoE (CANopen application protocol over EtherCAT)
Support sports mode		PP, PV, CSP, CSV & HM
Synchronized		Free Run, SM Event, DC SYNC Event (Minimum cycle time:250us)

※ For further details, please contact the Sales Department or visit the directory on our website to download the information.



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