



Stepper Driver Series

P-SERVO EC



Description of Features/ Characteristics:

- ◎ **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 ±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 related information, you can refer to the official website where you can download the operating manual for each of the drivers.



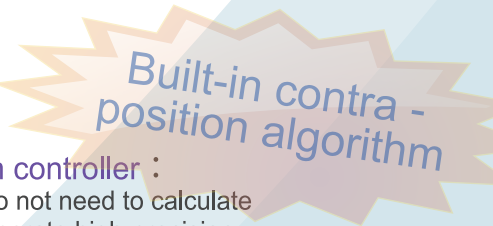
GSDC



Description of Features/ Characteristics:

GSDC XXY contra-position platform controller :

- ◎ **Built-in alignment algorithm** : users do not need to calculate trigonometric functions, and can easily operate high-precision alignment platform products.
- ◎ **RS485/RS232 Communication interface** : common communication interfaces, textual communication commands.



GSDC SPL Spline Controller :

- ◎ **Built-in coupling/decoupling algorithm** : users do not need to consider the coupling relationship between mechanisms, and can control the motion of spline movement by specifying the coordinate position.
- ◎ **Simple man-machine interface** : the operating software offers a programming mode; spline sequential control can be done through one key.

Application Example



XXY contra-position platform controller

SPL Spline Controller



Driver Specifications Table

Item	Description	Note
Model	GSDC	
Voltage	24VDC \pm 10%	
Input current	6A	
Rated output current (each axis)	1.6A	
Target motor to be controlled	2-phases step motor	
System framework	Closed-loop control system	
Communication method	RS232/RS485	selected through the DIP switch.
Control mode	Position control	
LED display	Power supply Operation Limit switch "HOME" Switch	
Dimension	WxDxH (mm) 163*119*29	
Weight	325 \pm 5%(g)	
Operating temperature / humidity	0~85°C, Below 85%RH	Prevention against condensation

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