

ORIENTAL MOTOR Co.,Ltd.

Stepping Motor α STEP

AZ Series Axes Driver

MECHATROLINK-III Compatible

Features

- 多軸驅動器支援MECHATROLINK-III, 可連接2軸、3軸、4軸。
- 此步進馬達採用獨創的混合式控制方式, 兼具「開回路控制」與「閉回路控制」的優點。
- 馬達搭載無需電池的多圈數 對式編碼器。具有多項優點, 無需電池、無需原點復歸, 不需外部檢知器等。
- 除了馬達位置、速度及負載等基本資訊外, 還可監視溫度及動作量等數據。請在監視設備狀態、預知保全等時多加應用。



αSTEP AZ Series

Specifications

Item		Specifications
MECHATROLINK communications	Protocol	MECHATROLINK-III
	Baud Rate	100Mbps
	Transmission cycle	0.5ms, 1.0ms, 2.0ms, 4.0ms
	Communication cycle	0.5ms to 32ms (increments of 0.5ms)
	Node address	03h to EFh (initial value: 03h) ※AS for the master controller, extended address-compliant is required.
Command method (Operation function)		Interpolation feed (INTERPOLATE), Positioning (POSING), Constant-speed feed (FEED), Positioning at Constant-speed by external input (EX_FEED), Positioning by external input (EX_POSING), Return-to-home (ZRET)
Monitor		Command position, Command speed, Feedback position, Feedback speed, Alarm code, Status of driver
I/O signals	Input signal	Input: 4 points (Signal allocation can be changed) Forward drive prohibition Input (FW-BLK), Reverse drive prohibition Input(RV-BLK), Homing deceleration switch Input (DEC), Latch Input1 (EXT1)
	Output signal	Output: 3 points (Signal allocation can be changed) Alarm Output (ALM-B), Driver ready completed Output (READY), Motor operating Output (MOVE)
Power supply	Main power supply	DC24V±10% or DC48V±10% Power supply current capacity: 7.0A
	Control power supply	DC24V±10% Power supply current capacity 2-axis: 1.0A, 3-axis: 1.25A, 4-axis: 1.5A
Operating ambient temperature and humidity		Ambient temperature : 0 to+50°C (+32 to +122°F) (non-freezing) Humidity: 85% or less (non-condensing)

MECHATROLINK specifications

M-III	
Profile	Standard Stepping Motor Drivers
	Standard servo
Data size	32byte, 48byte
Transmission cycle	0.5ms to 4ms (increments of 0.5ms)

Contact Information

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