Positioning module(XPM)

Features

- Max 4Axis, Max pulse output 4Mpps
- Circular/linear/ellipse/helical interpolation
- Asymmetric acceleration and deceleration driving
- FRAM parameter
- XG5000 monitoring, simulation, trace
- CAM profile program

Specifications

Item			XGF-P01H XGF-PD1H	XGF-P02H XGF-PD2H	XGF-P03H XGF-PD3H	XGF-P04H XGF-PD4H
Number of axis			1 axis	2 axis	3 axis	4 axis
Interpolation			—	Circular, linear, ellipse	Circular, linear, helical, ellipse	
Control method			Position control, speed control, speed/position control, position/speed control, FEED			
Positioning data			Each axis has 400 data items (Operation step number 1~400). It is available to set with XG5000 or programming.			
Configuration Tool			XG5000 (Connected with USB or RS-232C Port of CPU module)			
Data backup			FRAM (Parameter, Operation data), Flash memory (CAM Data), No battery			
Pulse output			XGF-P0xH: Open collector, XGF-PDxH: line driver			
Positioning	Positioning method		Absolute / Incremental			
	Position address range	mm	-214,748,364.8~ 214,748,364.7(㎛)			
		inch	-21,474.83648 ~ 21,474.83647			
		degree	-21,474.83648 ~ 21,474.83647			
		pulse	-2,147,483,648 ~ 2,147,483,647			
	Position address speed	mm	0.01 ~ 20,000,000.00(㎜/min)			
		inch	0.001 ~ 2,000,000.000(inch/min)			
		degree	0.001 ~ 2,000,000.000(degree/min)			
		pulse	1 ~ 500,000(pulse/sec): Open collector, 1 ~ 4,000,000(pulse/sec): line driver			
		RPM	0.1 ~ 100,000.0(RPM)			
	Accel/Decel pattern		Trapezoidal & S-curve acceleration/deceleration			
	Accel/Decel time		0~2,147,483,647ms			
Max. output pulse			Open collector: 500kpps, line driver: 4Mpps			
Max. distance			Open collector: 5m, line driver: 10m			
Max. encoder input			500kpps			
Error display			LED			
Size of cable			AWG #24			
Occupied points of I/O			64 points (Fixed type), 16 points (Variable type)			
Connection connector			40Pin		80Pin	
Current consumption (mA)			XGF-P01H:400mA	XGF-P02H:410mA	XGF-P03H:420mA	XGF-P04H:430mA
			XGF-PD1H:520mA	XGF-PD2H:600mA	XGF-PD3H:850mA	XGF-PD4H:890mA
Weight (kg)			120		130	