XGT Positioning module(Network Type)

Features

- XGF-PN8A : Dedicated LSIS EtherCAT Network Support (XGT Servo N series)
- XGF-PN8B : Standard EtherCAT Network Support(Standard EtherCAT Servo)
- Direct connect with servo driver Max 8
- 2~8 axis linear interpolation, 2axis circular interpolation, 3axis helical interpolation
- Position, speed, feed control is possible through the various operation
- Parameters, the operation data stored in the FRAM(without Battery)
- CAM for controlling up to eight different types of CAM data

Specifications

Item		XGF-PN8A / PN8B		XGF-PN4B
Number of axis		8 axis		4 axis
Interpolation		2~8 axis linear, 2axis circular, 3axis helical interpolation		
Control method		Position, speed, Speed/position, position/speed position/torque, Feed control		
Setting unit		pulse, mm, inch, degree		
Positioning data		Each axis has 400 data items (Operation step number 1~400). It is available to set with software package or programming.		
XG5000	Port	RS-232C, USB		
	Data	Basic, expansion, manual, servo parameter, operation data, cam data, command information		
	Monitor	Operation, trace, input sort, error information		
Back-up		FRAM(parameter, operation data) no battery		
Positioning	Positoning method	Absolute / Incremental		
	Position address range		Absolute	Incremental	Speed/position, position/speed conversion control
		mm	-214748364.8 ~ 214748364.7 (μm)	-214748364.8 ~ 214748364.7 (μm)	-214748364.8 ~ 214748364.7 (μm)
		inch	-21474.83648 ~ 21474.83647	-21474.83648 ~ 21474.83647	-21474.83648 ~ 21474.83647
		degree	-21474.83648 ~ 21474.83647	-21474.83648 ~ 21474.83647	-21474.83648 ~ 21474.83647
		pulse	-2147483648 ~ 2147483647	-2147483648 ~ 2147483647	-2147483648 ~ 2147483647
	Position speed range	mm	0.01 ~ 20000000.00 (mm/Min)		
		inch	0.001 ~ 2000000.000 (inch/Min)		
		degree	0.001 ~ 2000000.000 (degree/Min)		
		pulse	1 ~ 20.000.000 (pulse/Sec)		
		RPM	0.1 ~ 100000.0 (RPM)		
	Accel/Decel pattern	Trapezoidal & S-curve acceleration/deceleration		
	Accel/Decel time	1~2.147.483.647 ms		
Manual		Jog / MPG / inching		
Homing method		Max+Z(Forward), Min+Z (Backward), Near-point+Z (Forward, Backward), Max+near-point+Z (Forward), Min+near-point+Z (Backward), Z (Forward, Backward), near-point (Forward, Backward)		
The ability to Change speed		Absolute/Percent		
Torque		Rated torque %		
Absolute position System		O (Absolute encoder type servo)		
Encoder input	Channel	2 Channel		
	Max. Input	Max. 200 Kpps		
	Input method	line-drive input (RS-422A IEC), open collector output type		
	Type	CW/CCW, Pulse/Dir, Phase A/B		
	Connector	12 Pin connector		
Communication Cycle		800 μs		
Max. distance		100 m		
Cable		STP (Shielded Twisted pair) cable		
Error display		LED		
Operation display		LED		
Occupied points of I/O		64points (Fixed type), 16points (Variable type)		
Current consumption (mA)		500 mA		
Weight(kg)		115 g		