

Servo Drive Specification

Specification Description

ProNet – 10

ProNet Servo Drive

A

Rated Power

E

Power Voltage

G – EC

Encoder Interface

Bus Style

Sign	Spec.	Sign	Spec.	Sign	Spec.	Sign	Spec.	Sign	Spec.
A5	0.05kW	A	200VAC	M	Pulse Analog	G	17 Bit/20 Bit	-EC	EtherCAT
01	0.1kW	D	400VAC		CANopen		Serial Encoder		Bus
02	0.2kW				Control		(Automatic	None	M Control
04	0.4kW			E	Support		Identification)		Style
08	0.75kW				Extended Bus				
10	1.0kW				Function				
15	1.5kW								
20	2.0kW								
30	3.0kW								
50	5.0kW								

Note : ProNet-□□□□G can identify automatically 20 bit incremental motor and 17 bit absolute motor.



Ratings

Servo Drive Model	ProNet-	A5A	01A	02A	04A	08A	10A	10D	15A	15D	20A	20D	30A	30D	50A	50D
Applicable Servo Motors Model	EMJ-	A5A	01A	02A	04A	08A	10A	-	-	-	-	-	-	-	-	-
	EMG-	-	-	-	-	-	10A	10D	15A	15D	20A	20D	30A	30D	50A	50D
	EML-	-	-	-	-	-	10A	10D	-	-	20A	20D	30A	30D	40A	40D
Continuous Output Current(Arms)		1.0	1.1	1.4	2.8	4.0	6.0	3.2	9.0	5.0	12.0	6.4	18.0	9.0	28.0	15.0
Max. Output Current(Arms)		3.0	3.3	4.2	8.4	12.0	18.0	9.6	28.0	15.0	42.0	19.2	46.0	27.0	64.0	45.0
Main Input Power Supply Capacity(kVA)		0.2	0.3	0.5	0.9	1.3	1.8	1.8	2.5	2.8	3.5	3.5	4.5	5.0	7.5	8.2
DC24V Power Supply Capacity(W)		-	-	-	-	-	-	30.0	-	30.0	-	30.0	-	45.0	-	45.0

Specification

Items			Specification
Input Power Supply	Main Circuit	200V	Single-phase 200 to 230VAC 50/60Hz (0.05kW-0.4kW) Three-phase 200 to 230VAC 50/60Hz (0.75kW-5.0kW)
		400V	Three-phase 380 to 440VAC 50/60Hz (1.0kW-5.0kW)
	Control Circuit	200V	Single-phase 200 to 230VAC 50/60Hz (0.05kW-5.0kW)
		400V	24VDC (1.0kW-5.0kW)
Control Method			SVPWM Control
Feedback			17 Bits Absolute Encoder: 131072P/R 20 Bits Incremental Encoder: 1048576P/R
Operating Conditions	Ambient / Storage Temperature		Ambient Temperature: 0 to +55°C, Storage Temperature: -25 to+85°C
	Ambient / Storage Humidity		5%~95% (no condensation)
	Elevation		1000m or less
	Vibration / Impact Resistance		Vibration Resistance: 4.9m/s ² , Impact Resistance: 19.6m/s ²
Configuration			Base-mounted
Performance	Speed Control Range		1:5000
	Speed Regulation	Load Regulation	0 to 100% load: ±0.01% max. (at rated speed)
		Voltage Regulation	Rated voltage, ±10%: 0% (at rated speed)
		Temperature Regulation	25±25°C: ±0.1% max. (at rated speed)
Torque Control	Analog Input	Reference Voltage	±10VDC at rated torque (variable setting range: ±0 to 10VDC) Max. input voltage: ±12V
		Input Impedance	About 10MΩ min.
		Circuit Time Constant	10μs