

HSD3 Model		03A□□	06 A□□	10 A□□	16 A□□	25 A□□
Continuous output current (A)		3.0	6.0	10	16	25
Main circuit power supply		Three-phase AC200 ~ 230V (-15 ~ +10%) 50/60Hz				
Control Power source		Single-phase AC200 ~ 230V (-15 ~ +10%) 50/60Hz				
Control mode		Position control, JOG operation, speed contact, etc.				
Encoder feedback		Ordinary incremental encoder: 2500 lines incremental standard type, 2500 lines incremental saving line type.				
		Serial encoder: 2 ¹⁷ bits incremental type encoder, 2 ¹⁷ /2 ¹⁶ bits absolute value encoder, 223/216 bits absolute value encoder.				
Conditions of usage	Using ambient temperature/storage temperature.	Using ambient temperature: 0~+50°C, storage temperature: -20~+85°C.				
	Environmental humidity/storage humidity.	Less than 90%RH (No freezing or condensation)				
	Vibration/impact strength resistance	4.9m/s ² / 19.6m/s ²				
Structure		Pedestal mounting type				
Performance	Speed control range	1:10000 (The lower limit of the speed control range is in the stable running without crawling at the rated load)				
	Speed response	1KHz				
	Velocity volatility (load variation)	0 ~ 100% loading : less than ±0.01% (in rated speed)				
	Velocity volatility rate (voltage variation)	Rated voltage ±10%: 0% (in rated speed)				
	Velocity volatility rate (voltage variation)	25±25°C: less than ±0.1% (in rated speed)				
Simulation speed Command Input	Command voltage	DC±10V				
	Input impedance	About 20KΩ				
	Circuit time parameter	47μs				
Simulation torque Command Input	Command voltage	DC±10V				
	Input impedance	About 20KΩ				
	Circuit time parameter	47μs				
Sequence control input Signal	Number of points	8 points				
	Function (distributable)	Servo ON (/S - ON), P action (/P - CON), not forward the side drive (P - OT), not reverse side drive (N-OT), alarm reset (/ALM-RST), forward side torque limit (/P-CL), reverse side torque limit (/N-CL), zero position deviation (/CLR), internal set speed switch and so on The distribution of the above signals and the change of positive/negative logic				
Sequence control output Signal	Number of points	6 points				
	Function (distributable)	Servo alarm (ALM), position completion (/COIN), speed consistency inspection (/V-CMP), servo motor rotation detection (/TGON), servo readiness (/S-RDY), torque limit detection (/CLT), brake (/BK), encoder zero output (PGC). The distribution of the above signals and the change of positive/negative logic				
Encoder frequency division pulse output		A phase, B phase, C phase: linear drive output; frequency division pulse number: it can be set arbitrarily				
RS-485 Newsletter	Communication protocol	MODBUS				
	1:N communication	The maximum can be N = 127 stops				
	Axis address setting	Via parameter setting				
CAN communication	Communication protocol	CANOpen (DS301 + DS402 profile)				
	1:N communication	The maximum can be N = 127 stops				
	Axis address setting	Via parameter setting				
Display function		CHARGE indicator light, 7 segment digital tube 5 bits				
Regenerative treatment		Built-in regenerative resistors or external regenerative resistors (selected parts)				
Over travel (OT) prevention function		Dynamic brake (DB) stopping, decelerate stopping, or free running stop when it is at P-OT, N-OT input action				
Protection function		Over current, overvoltage, under voltage, overload, over speed, regeneration fault, encoder feedback error, etc.				
Monitoring function		RPM current position, instruction pulse accumulation, position deviation, motor current, running state, input and output signal, etc.				
Secondary functional		Gain adjustment, alarm record, JOG operation, origin search, movement of inertia test, etc.				
Intelligent function		Built-in gain automatic tuning function				
Applicable load inertia		Less than 5 times of the inertia motor				
Position control	Feed forward compensation	0 to 100% (setting unit 1%)				
	Type of input pulse	Symbol + pulse sequence, CW+CCW pulse sequence, 90° phase difference two phase pulse (A phase +B phase)				
	Input pulse form	Support linear drive and collector open circuit				
	The maximum input pulse frequency	Linear drive Symbol + pulse sequence, CW+CCW pulse sequence: 500K pps 90° phase difference two phase pulse (A phase +B phase): 500K pps Collector open circuit Symbol + pulse sequence, CW+CCW pulse sequence: 200K pps 90° phase difference two phase pulse (A phase +B phase): 200K pps				