

Control terminal CN1

Control mode abbreviation: (P stands for position control mode; S stand for speed control mode)

Terminal No	signal name	mark	I/O	control mode	function
CN1-8	positive power supply of input terminal	COM+	power supply	S/P	positive power supply of input terminal Photoelectric coupler used for drive the input terminals DC12~24V, current≥100mA
CN1-20	Pulse common	VP	Pulse common	S/P	input pulse common power supply side (only when use single end pulse can be used, like PLC) this pin use is prohibited when using the differential input pulse signal, otherwise the product will be damaged.
CN1-21	SRV-ON	SON	input	S/P	the servo enable to input terminals, SON ON: allow the drive to work. SON OFF: drive off, stop working, the motor in free state.
CN1-9	Alarm clear	ALRS	input	S/P	Alarm clear input terminals ALRS ON: remove the system alarm ALRS OFF: keep the system alarm
CN1-22	deviation counter reset	CLE	input	P	position deviation counter reset input terminal CLE ON: position control, position deviation counter reset
	speed choice 1	SC1	input	S	Speed choice 1 input terminal, in the mode of speed control, SC1 and SC2 combinations used to select different internal speed SC1 OFF, SC2 OFF: internal speed 1. SC1 ON, SC2 OFF: internal speed 2. SC1 OFF, SC2 ON: internal speed 3. SC1 ON, SC2 ON: internal speed 4. Note: the value of internal speed 1~4 can be modified by parameters.
CN1-10	Instruction pulse prohibited	INH	input	P	position instruction pulse prohibit input terminals INH ON: instruction pulse input prohibited INH OFF: instruction pulse input effective
	Speed choice 2	SC2	input	S	Speed choice 2 input terminal, in speed control mode, SC1 and SC2 combinations used to select different internal speed SC1 OFF, SC2 OFF:

					internal speed 1. SC1 ON: SC2 OFF: internal speed 2. SC1 OFF, SC2 ON: internal speed 3. SC1 ON, SC2 ON: internal speed 4.
CN1-1	position/speed reach	COIN	output	S/P	position speed reach signal output terminals when the servo location close to the target position (Pn12 parameter value), output ON
CN1-15	servo alarm	ALM	output	S/P	servo alarm output terminals ALM ON: servo drive without alarm, servo alarm output ON. ALM OFF: servo drive with alarm, servo alarm output OFF.
	common terminal of the output terminal	DG	common terminal		Grounding common terminal of the control signal output terminal(except CZ)
CN1-2	encoder Z phase output	CZ	output	S/P	the encoder Z phase output terminals photoelectric code of the servo motor Z phase pulse output CZ ON: Z phase signal appear
CN1-5	encoder Z phase	CZCOM	output	S/P	encoder Z phase output the common terminal of the output terminal
CN1-18	instruction pulse	PULS+	input	P	external instruction pulse input terminals
CN1-6	instruction direction signal	PULS-	input	P	Note 1: the parameter Pn8 set pulse input mode; 1. Instruction pulse+symbol mode; 2. CCW/CW instruction pulse mode.
CN1-19	instruction direction signal	SIGN+	input	P	
CN1-7	analog voltage signal	SIGN-	input	P	
CN1-4	analog voltage signal	VCMD	input	S	input analog voltage±10V input impedance 20K
CN1-17	Analog voltage	SG	input	S	
CN1-14	brake output positive end	HOLD+	output	S/P	drain open circuit output, normal working, optical coupling breaker: output ON
CN1-3	brake output	HOLD-	output	S/P	no enabled, drive prohibited. Alarm, optical coupling close; output OFF