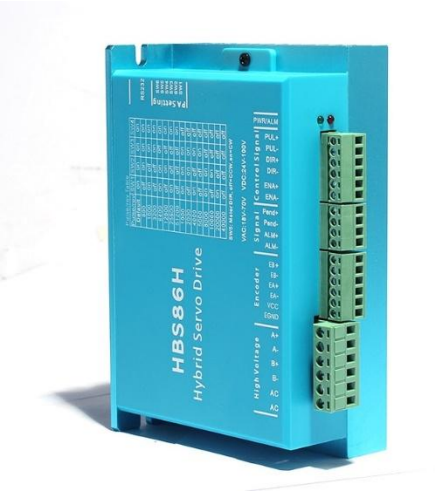

MEHATRON
KOMPONENTE ZA VAŠ BIZNIS

HBS86H

Hybrid Servo Drive

Description:

- HBS86H driver is based on ten years of research and development experience stepper and servo, the successful development of innovative simple servo drive products.
- Dedicated motor control using the latest DSP chip and vector closed-loop control technology, completely overcome the open loop stepper motor lost step problems, while significantly improved motor speed performance, reduce fever and reduce motor vibration motor, improve the speed and precision machining, reduce machine energy consumption. When the motor continuous overload, the drive will output an alarm signal in time, with the same reliability and AC or DC servo system.
- HBS806 adaptive motor mounting dimensions are fully compatible 57/60/86 series stepper motors, stepper drives programs to facilitate upgrading of traditional cost equivalent to only half of the AC or DC servo system.

Features

- Input voltage 18-75VDC, peak output current up to 8A
- Motor standard 1000 line encoder, support vector closed-loop control, a fundamental solution to the traditional stepper motor lost step problem;
- 57,86 series hybrid can drive servo motor, motor speed up to 3000RPM;
- The use of advanced current control technology, can greatly improve the characteristics of the motor to accelerate, extend the service life of machinery;
- 6 DIP switch settings, the largest up to 40,000 micro-step, can be set to reverse the direction of motor parameters;
- Drive configuration overload signal output, improve the quality of system operation;
- Supports RS232 communication protocol, Jane strong debugging software used ProTuner complete parameter settings, online monitoring and other functions.

1. Interface definition

A、MOTOR and POWER INPUT

Terminal	Sign	Item	Line
1	A+	A phase motor winding+	RED
2	A-	A phase motor winding-	GREEN
3	B+	B phase motor winding+	YELLOW
4	B-	B phase motor winding-	BLUE
5	+VAC	INPUT +	AC18-70V
6	GND	INPUT-	

Note: No interchangeability between phase of motor line

B、Encoder signal input port

Terminal	Sign	Item	Line
1	EB+	Motor encoder B phase inputer+	Yellow
2	EB-	Motor encoder B phase inputer-	Green
3	EA+	Motor encoder A phase imputer+	Black
4	EA-	Motor encoder A phase inputer-	Blue
5	VCC	Motor encoder input 5V+	RED
6	EGND	GND	White

C、Control signal port

Terminal	Sign	Item	Instructions
1	PU+	Pulse positive input	Signal source + 5V ~ 24V universal, no re connection resistance
2	PU-	Pulse negative input	
3	DR+	Direction positive input	Signal source + 5V ~ 24V universal, no re connection resistance
4	DR-	Direction negative input	
5	ENA+	Motor enable positive input	When the signal is effective, the motor is in free state, and the machine is not locked.

D、Output signal port

Terminal	Symblo	Name	Lead color description
1	Pend+	In place signal positive output	After the motor is in place, the output signal of the driver is given to the upper computer
2	Pend-	In place signal negative output	
3	ALM+	Alarm signal Positive output	The output signal to the upper computer after the fault protection of the driver
4	ALM-	Alarm signal negative output	