XINJE

DS5K2-21P0-PTA servo drive wiring diagram

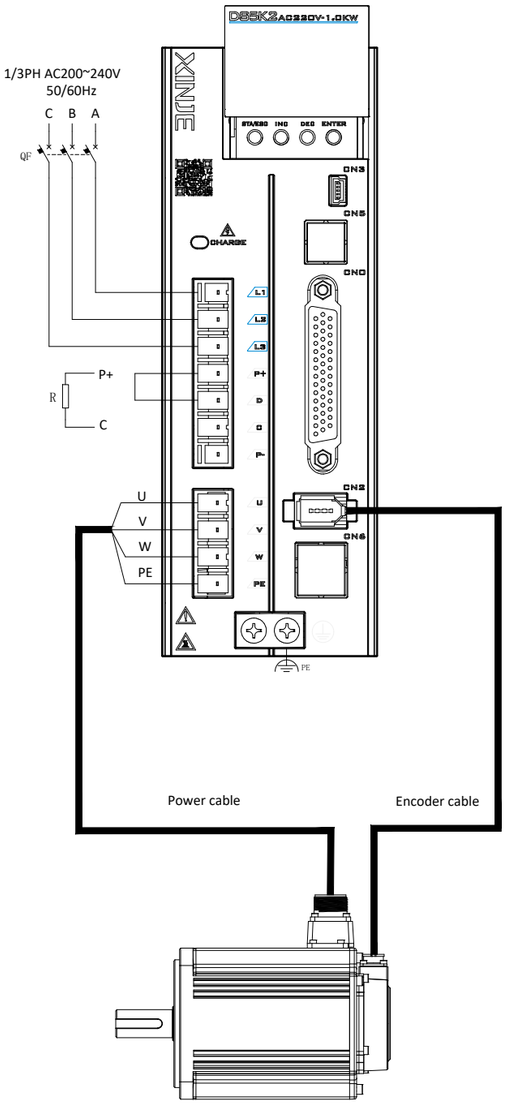
Pre-sales consultation
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● Use external braking resistor
Connect the braking resistor to the P+ and C terminals, and remove the P+ and D short circuits;

P0-25=power value, P0-26=resistance value

External regenerative resistance : (recommended resistance value)	**35Ω -75Ω**
Minimum resistance : (no less than this value)	**35Ω**
External regenerative resistance : (recommended power value)	**Above 800W**

● Use built-in braking resistor
Short circuit P+ and D terminals, disconnect P+ and C , bulit-in brake unit : 80W45Ω



● The power supply voltage range of P-/P+ 24V and D-/D+ 24V is 18V~25V. The power supply voltage range of P-/P+5V, D-/D+5V is 3.3V~5V. There may be abnormal pulse and direction if the voltage is lower than 18V/3.3V.

● Servo pulse input port is ON at 10mA.

● In order to resist interference, twisted-pair shielding wire must be used. And the instruction signal cable is recommended to be within 3 meters. It is recommended to shield the 0V of the controller and ensure good grounding of the controller.

● Lowspeedpulse input terminal (P-/P+24/D-/D+24), accepts opencollector 24V input (maximum single input frequency is 200kpps)

Differential pulse input terminal (P-/P+5/D-/D+5) , accepts differential 5V pulse input (maximum single input frequency is 500kpps)

● SI1,SI2,SI3,SI4,SI6 and SI7 six low-speed SI inputs ,with a response time of less than or equal to 2ms.
Support NPN and PNP connections.

● SI5 and SI8 are high-speed SI inputs , with a response speed of less than or equal to 2μs

● High speed pulse input terminal (HPUL+, HPUL-, HDIR+, HDIR-), only accepts differential input (maximum single input frequency is 2Mpps)

● Please make sure to connect the 5V ground of the upper device to the high-speed pulse GND (26 pin long drive ground) of the driver, and use a twisted pair shielded wire to connect to a clean external ground to reduce noise interference.

