

XINJE

DS5K2-42P3-PTA servo drive wiring diagram

Pre-sales consultation
Email : xinje3858@163.com

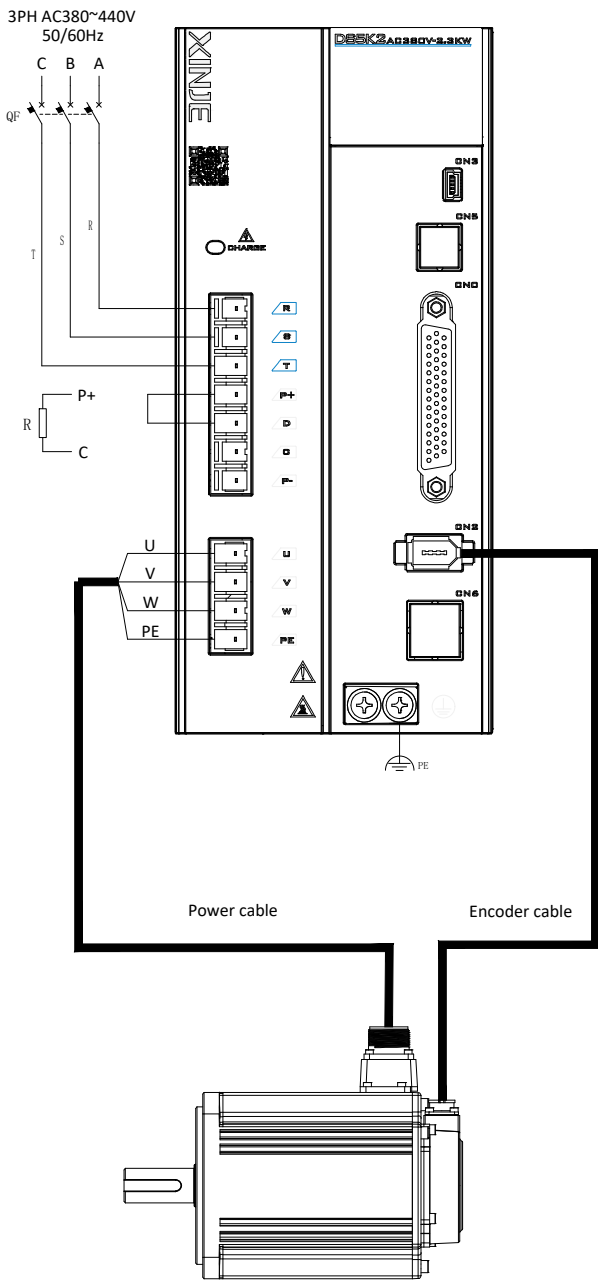


● Use external braking resistor
Connect the braking resistor to the P+ and C terminals, and remove the P+ and D short circuits;

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

External regenerative resistance : (recommended resistance value)	55Ω -75Ω
Minimum resistance : (no less than this value)	55Ω
External regenerative resistance : (recommended power value)	Above 1000W

● Use built-in braking resistor
Short circuit P+ and D terminals, disconnect P+ and C , built-in brake unit : 80W60Ω





● 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.

● Low-speed pulse input terminal (P-/P+24V/D-/D+24V), accepts open collector 24V input (maximum single input frequency is 200kpps)
Differential pulse input terminal (P-/P+5V/D-/D+5V), 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.

