



PLSD-8050 Brushless Low-voltage Servo Drive

The PLSD-8050 low-voltage servo driver is developed with a high-performance processor to provide users with a cost-effective servo control solution. On the premise of ensuring stability and reliability, it pursues the functions and performance that are closest to the application. Compared with stepping products, it has low noise, low heat generation, high speed, constant torque output, and no step loss; compared with stepping servo products, it completely abandons the inherent disadvantages of stepping products, and has better functions, performance and reliability. Excellent; compared with well-known foreign servos, the performance is similar, the price is low, and it is easy to use. PLSD-8050 is a power amplifier version of PLSD6030, with stronger load capacity and reliability, suitable for heavy load applications.

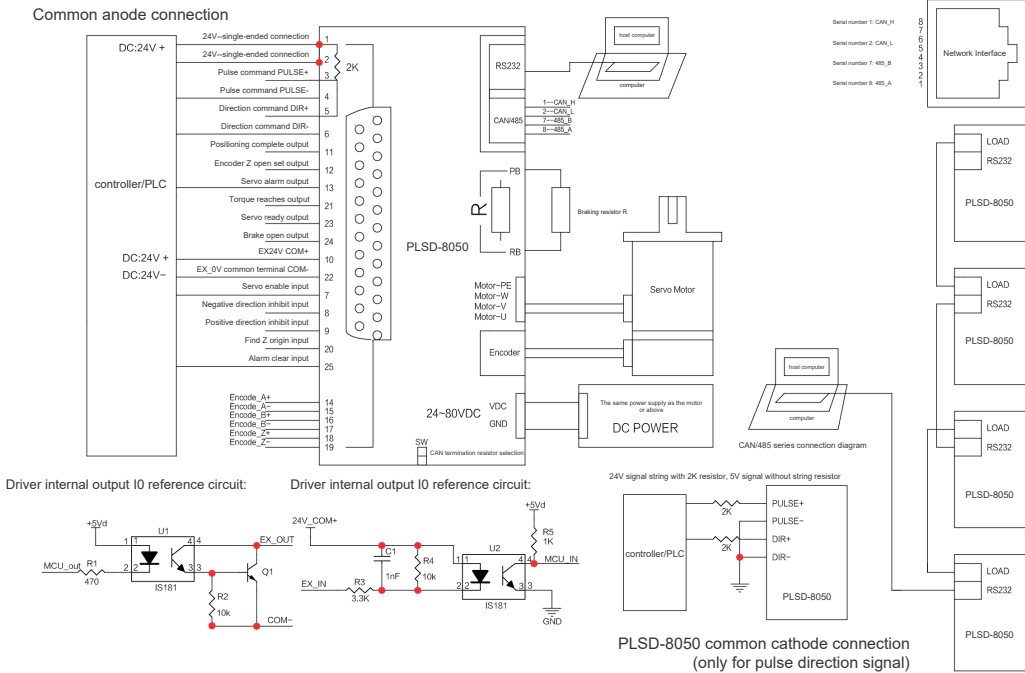
Characteristics

- Working Voltage: 24~80VDC
- Output Current: peak 50A
- Adapter motor: 5~1500W low voltage DC servo motor
- Control mode: external pulse (single-ended/differential), analog, CANBUS, RS485 bus, RS232 communication control IO control, etc., support position, speed and torque mode
- Parameter Debugging: use RS232 communication, PC debugging software or hand-held debugger debugging can backup and import parameters
- Abnormal Protection: with under-voltage, over-voltage, over-load over-current, excessive position deviation encoder abnormality and other protection alarm functions
- Support energy consumption discharge function
- Tracking error: ± 1 pulse
- Speed Control Accuracy: ± 1 PRM
- Receive Pulse Upper Limit: 1MHZ
- Minimum Speed: 1RPM
- Maximum No-load Acceleration: 200PRM/ms

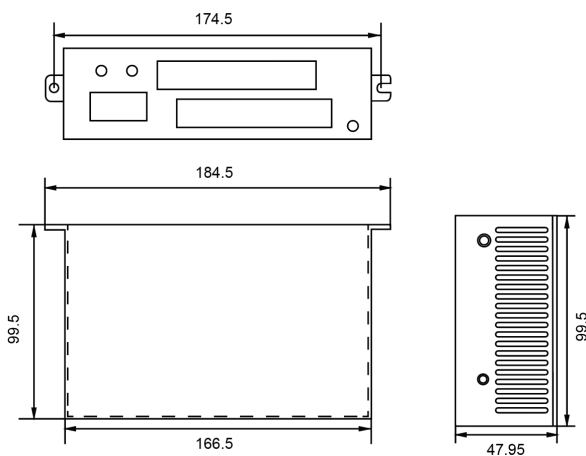
Specifications

Model	Peak current (A)	Voltage (VDC)	Matched motor	Dimension (mm)	Control Signal
PLSD-8050	50	24~60	Low Voltage Servo Motor (700W and below)	166.5*99.5*47.95	Pulse (Single-Ended/Differential)/ Analog/ CANBUS/ RS485 bus/ RS232 IO

Wiring Diagram



Dimension



Interface Diagram

