

CSD5 Series

Fast and Easy Servo Drive CSD5



- CSD5 is a stand-alone type Servo Drive to use general purpose for overall factory automation. Its excellent control
- performance and simplified gain tuning as well as network features are designed to reduce the equipment set-up time. The added features of CSD5 such as linear motor control solution and indexing deliver additional values by enabling the user to design equipments without a separate dedicated controller.

○ Features

Optimized performance in position control

- 3MHz pulse can be input via dedicated high-speed pulse input line
- Supports all types of pulse input methods
- 4 gain system enables fine tuning
- Enhanced notch filter feature improves vibration control performance

No need for separate higher controller

- Provides 64 point indexing features
- Supports various and convenient return to zero methods with 9 different modes
- ModBus RTU communication enables multi-drop control

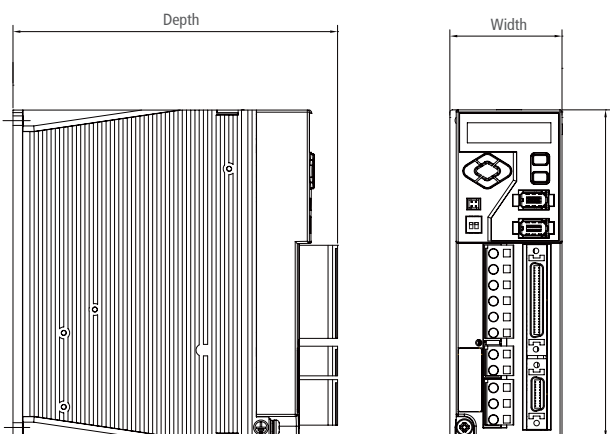
More convenient and simpler control

- One parameter tuning makes the gain control simpler
- User friendly RS Ware makes control from the PC easier
- Several Servo Drives can be monitored by one PC
- The user can define all I/O features

○ CSD5 Series Catalogs

Catalog Number (CSD5-)	Power Module Current Rating (A)	Continuous Rated Output Current (APK)	Peak Rated Output Current (APK)	Inverter continuous Output Power (VA)	Motor Output Power (W)
A5BX1	15	0.85 (0.6Arms)	2.55	160	140
01BX1	15	1.56 (1.1Arms)	4.67	300	250
02BX1	15	2.4 (1.7Arms)	7.21	460	390
04BX1	15	4.67 (3.3Arms)	14.00	890	760
08BX1	30	7.07 (5.0Arms)	21.21	1,350	1,150
10BX1	30	9.90 (7.0Arms)	29.70	1,890	1,670
15BX1	50	13.99 (9.9Arms)	41.99	2,670	2,270

○ Dimensions



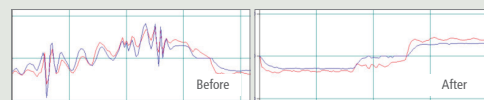
Height	Width	Depth
155 mm	53 mm	153 mm
155 mm	58 mm	153 mm
155 mm	81 mm	198 mm

Basic Specifications

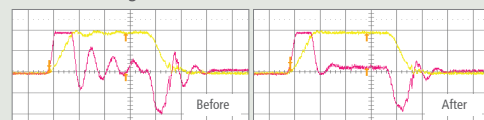
- 6 digit, 7Segment Built-in Operator
- Communication
 - RS-232, RS485(Multi-Drop)
 - Modbus-RTU, ASCII
- Support PC interface Software (RSware, same as Ultraware)
- Indexing function
 - Provides 64 point indexing features
 - Supports for 9 types of homing modes
- Supports simple positioning function to provide lower Total Cost Ownership (TCO)
- 2 channel Analog monitor
- Termination Resistor for RS485 serial communication.

Additional Specifications

- One-parameter Tuning
- 4 gain system enables fine tuning
- On-line / Off-line Vibration Suppression
 - Resonance Frequency Identification
 - Coarse tracking, Fine tracking, and Acceleration feedback.



- Automatic P/PI gain switch.



- Faster settling time: 20~30% Tack Time Improvement than CSD3
Enhanced Inertia Estimation