

New CD3E High-performance Servo Drive

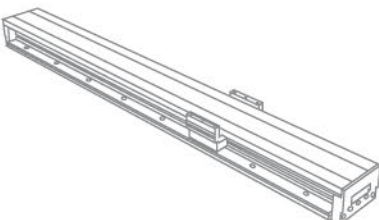
Comprehensive Functions | Excellent Performance

CD3E, the new-generation product in the CDHD family, is making its debut. Inheriting the outstanding design philosophy of Servotronix's flagship product of CDHD2 servo drive, it will offer you an unprecedented motion control experience. Designed for precise and smooth operation, CD3E is a cost-effective motion servo solution suitable for a wide range of applications.

Powered by advanced control algorithms and an AI assistant, CD3E delivers unrivaled performance, exceptional user experience, and ease of use. In addition, Servotronix's AI tools help engineers optimize their systems.

Features

- Auto Tuning
 - AI Assistant
 - Dynamic Braking
 - Runaway Protection
 - Emergency Stop
 - Touch Probe*
 - Cogging Compensation*
 - Error Compensation*
 - Collision Detection*
 - Input Shaping
 - Frequency Analyzer
 - Variable Gains
 - Field Weakening*
 - Friction Compensation*
- * Features coming soon



An ideal solution suitable for linear motors in industrial applications such as semiconductors and Electronics.

Cost-Effective

Advanced control algorithms to provide a cost-effective solution.

Legacy of Excellence

- Inheriting the design philosophy of our flagship CDHD2 servo drive

Wide Applications

- An ideal choice for linear motors, and also suitable for various applications such as DD motors.

Easy to Use

- Compatible with our advanced ServoStudio+ software, including Auto Tuning, advanced configuration tools, and AI assist

What Can I Help You With?

Serina Servotronics Motion Control AI Assistant

"Hi,Serina"

Say "Hi, Serina" to get an instant response to your needs.
Serina excels at a variety of tasks, including precise parameter adjustment,
accurate waveform recording, and rapid troubleshooting of complex faults.
Serina unlocks a new future for motion control!



Power Specifications and Dimensions

Model	Input voltage (VAC)	Main circuit input power supply	Continuous current (A rms)	Peak current (A rms)	Dimensions (mm)
CD3E-0032AEB0	220	Single-phase	3	9	173*45*160
CD3E-0062AEB0	220	Single-phase	6	18	173*50*160
CD3E-0032AAP0	220	Single-phase	3	9	170*50*170
CD3E-0062AAP0	220	Single-phase	6	18	170*50*170
CD3E-0032AAP1	220	Single-phase	3	9	170*50*170
CD3E-0062AAP1	220	Single-phase	6	18	170*50*170

Inputs/Outputs

- 7 In (2 fast inputs); 3 Out
- Feedback: BiSS-C (coming soon), incremental encoder (ABZ)
- EtherCAT (-EB), Pulse and Direction (-AP)
- Safe Torque Off (STO)

Ordering Model

CD3E - **003** **2A** **EB** - **1** **0**

① ② ③ ④ ⑤ ⑥

① CD3E Servo Drive - smart series

② Rated power

220VAC		
Current	Cont. [A rms]	Peak [A rms]
003	3	9
006	6	18

380VAC*		
Current	Cont. [A rms]	Peak [A rms]
003	3	9
006	6	18

③ Input power supply

Input power supply	
2A	Medium voltage • Single-phase 220 L-L VAC, +10% -15%, 50/60 Hz
4D*	High voltage • Main power supply input: three-phase 380 VAC L-L, +10% -10% 50/60 Hz • Control input power supply: 24VDC

④ Communication interface

Communication interface	
EB	EtherCAT, Ethernet
AP	Pulse/Direction, Ethernet

⑤ Number of analog inputs (Default: 0)

⑥ Customization options (Default: blank)



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