

LC Micro AC-SERVO DRIVE.

Your choice for high dynamic & compact size applications up to 1kW.

The LC Micro AC-Servo Drive by BRUNNER is a compact, intelligent servo controller for driving synchronous and asynchronous Motors up to 1kW. The integrated field bus interface (EtherCAT® or CANopen®) enables the communication and easy integration with a superordinate control system (e.g. TwinCAT® or CodeSys).

Point-to-point positioning or master-slave applications are possible as easy as synchronized multiple axis. Beside the standard CANopen® operation modes (DS-402), user-specific motion profiles can be defined and programmed directly in the drive enabling synchronized motion for very fast and complex applications.

Further, our unique active force control mode is optionally integrated, that enables a smooth force control for robotic and simulation applications. BRUNNER has the unrivaled capability to implement client-specific modes or design even a dedicated Drive upon request.

Integrated I/O functionality allows local connection of sensors etc. to minimize cabling effort. Our parameter setting tool "DriveSetup" enables the easy operation and setup of the drive via USB.



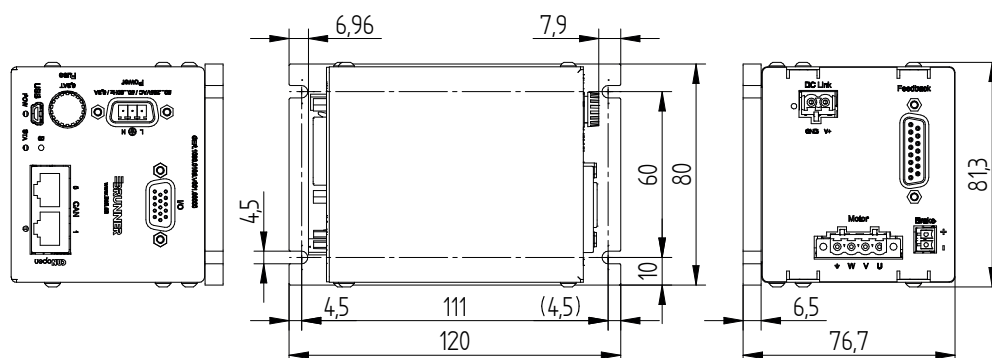
Features.

- Drives synchronous and asynchronous Motors up to 1kW
- Space-Vector-Modulation
- Complete DS-402 Motion Mode Support
- Fast EtherCAT® (CoE) or CANopen® Interface
- Supports Std. Motion Modes (PP, PV, HM, TQ, IP)
- Integrated Synchronization and up to 6 predefined user-specific curve profiles with up to 4096 positions
- Unique Active Force Control mode (optional)
- Distributed Clock supported
- High Speed Position Control
- Inrush current limit
- Temperature control
- I2T over-current Control
- Over- and undervoltage monitoring
- Integrated I/O functionality
- Low power consumption in standby mode
- Software update via EtherCAT® / USB / CAN
- Swiss Made
- 2 Years Warranty

Specification. (typical)

Input Voltage	Power Stage: 90-265 VAC 50/60 Hz Logic: 24 VDC +/- 10%	I/O	8 Digital Inputs (12-32 V) 3 Digital Outputs (24 V, 1.3 A) 1 Analog Input (12 Bit, 0-10 V) DC-Link (100-380 VDC) Motor Brake (24 V @ 1.5 A)
Output Power	1 kW / 18 A max	Size	120 x 82 x 77 mm, w/o Cooling 4.72 x 3.23 x 3.05 in, w/o Cooling
Communication	CAN (RJ45) or EtherCAT® (RJ45), USB (USB-2 Mini-B)	Weight	0,8 kg / 1,8 lb
Feedback	Resolver SIN/COS 16 Bit Incremental Encoder HIPERFACE®		

Dimensions.



EtherCAT[®]

EtherCAT® is registered trademark and patented technology, licensed by Beckhoff Automation GmbH, Germany.

