



MDS AC-SERVO DRIVE.

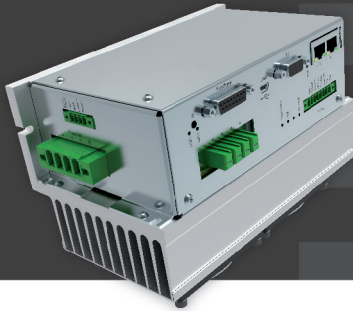
Your choice for high power applications up to 5kW / 3 x 400VAC.

The MDS AC-Servo Drive by BRUNNER is a compact, intelligent servo controller for driving synchronous and asynchronous Motors up to 5kW. 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 rail travel on multiple axes. Beside the standard CANopen® operation modes (DS-402), user-specific curve profiles can be defined and programmed 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 allows local connection of sensors etc. to minimize cabling effort. Standard Safety features ensure a safe machine behavior. Our parameter setting tool "DriveSetup" enables the easy operation and setup of the drive via USB or with a gateway via TCP/IP.



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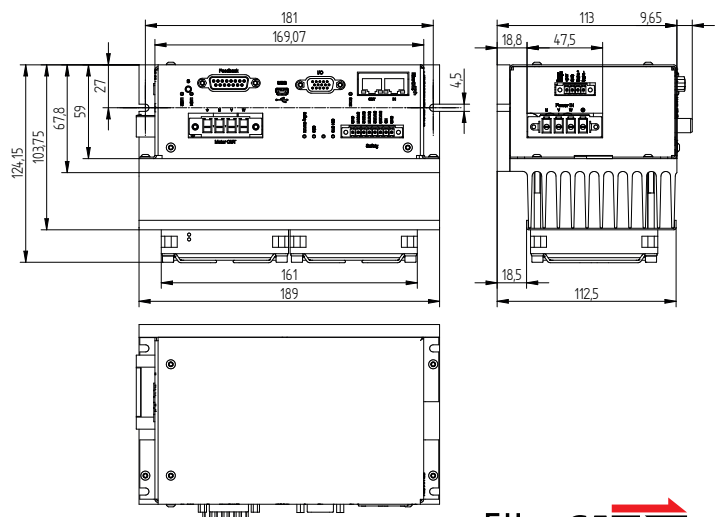
Features.

- Drives synchronous and asynchronous Motors up to 5kW
- Space-Vector-Modulation
- Complete DS-402 Motion Mode Support
- Fast EtherCAT® (CoE) or CANopen® Interface
- Supports Std. Motion Modes (PP, PV, HM, TQ, IP)
- Unique Active Force Control mode (optional)
- Integrated Synchronization and up to 6 predefined user-specific curve profiles with up to 4096 positions
- Distributed Clock
- High Speed Position Control
- Integrated Safety-Functions
- Inrush current limit
- I2T over-current Control
- Integrated Brake-Chopper and I/O functionality
- Integrated OMR-Reader Evaluation
- Software update via EtherCAT® / USB / CAN
- Optional I/O Connection Interface
- Swiss Made
- 2 Years Warranty

Specification. (typical)

Input Voltage	Power stage: 3x110-400 VAC 50/60 Hz optional: 200-700 VDC (DC Link) Logic: ext. 24 VDC +/- 10 %
Output Power	5 kW / 50 A max
Communication	CAN (RJ45) or EtherCAT® (RJ45), USB (USB-2 Mini-B)
Feedback	Resolver SIN/COS 16 Bit Incremental Encoder (IN/OUT) HIPERFACE®
I/O	8 Digital Inputs (12-32 V) 3 Digital Outputs (24 V, 1.3 A) 1 Analog Input (12 Bit, 0-10 V) Motor Brake (24 V @ 1.5 A)
Safety	STO Safe Torque OFF SS1 Safe Stop1 SLS Safety Limit Speed SBC Safe Break Control
Size	189 x 113 x 67 mm, w/o Cooling
Weight	1,4 kg / 3,1 lb

Dimensions.




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