BRUNNER
dedication + innovation

ULC AC-SERVO DRIVE.

Your choice for cost-sensitive and high performance applications.

The ULC AC-Servo Drive by BRUNNER is a compact, intelligent servo controller for driving synchronous and asynchronous Motors up to 1 kW. It is targeting all applications where price-performance is key. The integrated mains filter, power supply and I/O interfaces ensures minimum cabling effort and true plug & play functionality at an unmatched price-performance point.

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 axes.

Beside the standard CANopen® operations modes (DS-402) we have optionally integrated our unique active force control mode, 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. Our parameter setting tool "DriveSetup" enables the easy operation and setup of the drive via USB.

ENDURING   SUSTAINABLE   FAIR   ATTENTIVE   OBJECTIVE   HOLISTIC   INNOVATIVE   ENDURING   SUSTAINABLE   FAIR   ATTENTIVE   OBJECTIVE   HOLISTIC

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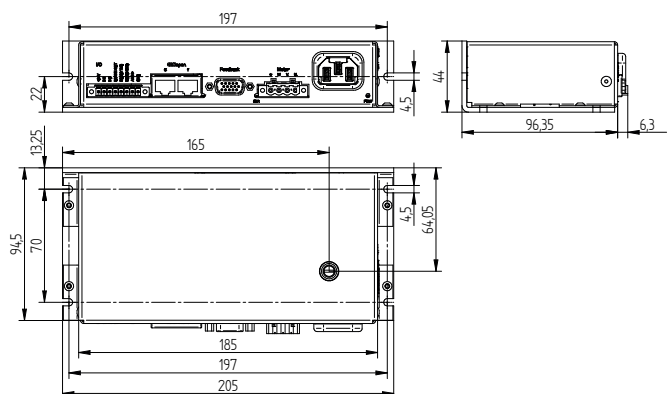
ULC AC-SERVO DRIVE.

Features.

- Drives synchronous and asynchronous Motors up to 1kW
- Unmatched price-performance ratio
- 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)
- Distributed Clock supported
- High Speed Position Control
- Inrush current limit

- Temperature control
- I2T over-current control
- Over- and undervoltage monitoring
- Integrated mains filter and power supply
- Leakage current meets VDE 0701
- Integrated Brake-Chopper and I/O functionality
- Low power consumption in standby-mode
- Software update via EtherCAT® / CAN / RS232
- Swiss Made
- 2 Years Warranty

Specification. (typical)

Input Voltage	Power Stage: 90-265 VAC 50/60 Hz (IEC13) Logic: integrated Power Supply or ext. 24 VDC
Output Power	1 kW / 26 A max
Communication	CAN (RJ45) or EtherCAT® (RJ45), RS232 (WE Series 7015B)
Feedback	Incremental Encoder or RS-485 (DSub15)
I/O	2 Digital Inputs (12-32 V) 1 Analog Input (12 Bit, 0-12 V) Motor Brake (24 V @ 1.5 A)
Size	205 x 95 x 44 mm, w/o Cooling 8.1 x 3.74 x 1.73 in, w/o Cooling
Weight	0,7 kg / 1,5 lb

Dimensions.

EtherCAT.

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

CANopen®

|0|0|
RS232

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