MBD 230/400 Servo Drive



MBD is a new range of low-cost, high-power servo drives. Five sizes are available, ranging from 3 A to 42 A continuous operation. The drive is offered with EtherCAT, CANopen, or analog control, and includes a wide range of feedback options.

Controllable motors:

Item
Brushless synchronous motors with torque, speed, and position control
Brushless linear motors

Available motor feedback:

Item
Encoder with Hall (standard)
SIN/COS 1Vpp
Absolute Hiperface

Catalogue Sheet

Hardware features

Item
CANopen slave (DS402 profile)
EtherCAT interface
Modbus RTU
A-B-Z type encoder emulation
Integrated brake-clamp resistance with monitoring
5 opto-isolated inputs and 3 configurable outputs
2 inputs for disabling safety STO A, STO B
2-line display
1 drive-OK relay
RS232 interface for configuration and data transfer
External power line for the logic circuit (24 VDC)

Software features

Item
Absolute positioner on the fieldbus interface (CANopen slave) or via I/O with homing input
Profile position mode, velocity mode, and interpolation position mode
Emergency braking with static position control
±10 V analog input
Settable PID regulation
Torque and speed control via digital input
Advanced function monitoring through the RS232 interface with oscilloscope emulation

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