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MINI MBDV DC SERVO MOTORS

MBDV miniature series low voltage DC servo motors in 20mm frame size with 30W output, differential and SPI encoder options. CANopen, EtherCAT, RS485 Modbus comms



SM3M-023J3NC
Frame size 20mm, 24Vdc, 30, 0.096Nm, 16-bit inc. magnetic SPI encoder

- Super compact 20mm frame size
- Coreless motor design for maximum power density
- 30W output (3000rpm @ 0.01Nm)
- Tuneless set up with MBDV controllers and Luna PC software
- Supports CANopen, EtherCAT and RS485 communication

PRODUCT DESCRIPTION

MBDV miniature 24V DC servo motors in 20mm frame size. The motors have two encoder options to suit implementation using CANopen, EtherCAT or RS485 modbus communication. Dedicated companion MBDV controllers along with free Luna PC software make set up as straightforward as possible, and no tuning is required.
These compact motors are widely used in motion control applications in the medical, scientific and semiconductor industries where compact size and high power density is typically a key requirement.

TECHNICAL DATA

Communication	EtherCAT, Modbus
Frame size	20 mm
IP class	IP20
Nominal speed	3000 rpm
Nominal torque	0.096
Power	30 W
Supply voltage	24 V DC