E82MV551-4B151

Lenze · 8200 motec

8200 motec decentralized frequency inverter for close-to-motor mounting on the machine frame; related to the 8200 vector control-cabinet inverter.

Hardware

Rated motor power: 0.55 kW typical (4-pole three-phase asynchronous motor)
Control: V/f characteristic control (linear/quadratic) and zero-sensor vector control; max. output frequency 650 Hz
Rated output current: 1.8 A nominal at 8 kHz switching frequency
Max. output current: 2.7 A for 60 s at 8 kHz
Integrated brake chopper
Rated mains current: 1.8 A nominal at 400 V mains (1.4 A at 500 V mains), per official 8200 motec Operating Instructions EDB82MV752 EN 5.2, section 3.3.1 Rated data at 400/500 V, normal operation (base type E82MV551_4B; trailing 151 is order-code variant)
Power loss: 35 W at Ir, 8 kHz

Communication

Built-in ports: plug-in I/O function module slot (FIF); communication via plug-in bus function module
Protocols: None built-in (bus via plug-in function module: CAN, PROFIBUS-DP, LECOM-B, INTERBUS, AS-Interface, CANopen, DeviceNet)
Communication expansion: FIF slot for plug-in function modules (E82ZAF* family)

Electrical

Supply voltage: 3/PE AC 320 V -0% … 550 V +0%; 48 Hz -0% … 65 Hz +0%

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Environmental

Operating temperature: -20 … +60 °C; rated current derated by 2.5%/°C above +40 °C
Storage temperature: -25 … +60 °C
Relative humidity: average 85 % RH, without condensation (climatic class 3K3 per EN 50178)
Protection rating: IP65 to EN 60529 (IP54 for 3.0 … 7.5 kW when fan module E82ZMV is fitted); NEMA 250 type 4 (type 12)

Physical

Dimensions (H×W×D): 202 × 156 × 151 mm
Weight: 2.8 kg

Lifecycle

Legacy: official Lenze "previous products" page active; superseded by newer drive generations (Last verified: 2026-10)
Note: trailing "151" is the order-code variant of the type designation; drive rated data per E82MV551_4B001 base type.
Audit status: OFFICIAL_VERIFIED