MDX61B 0005-5A3-4-00

SEW-EURODRIVE GmbH & Co KG · MOVIDRIVE® B Application Inverter

FEATURES

Book-style application inverter for asynchronous and synchronous servo motors, 0.55 / 0.75 kW (heavy/constant duty).

Hardware

Book-style control-cabinet inverter; modular expansion (fieldbus/encoder/safety/I/O option slots); control modes:
U/f, VFC, CFC, Servo; integrated brake chopper (4-quadrant standard); IPOSplus positioning/sequence control standard

Communication

Built-in ports:
SBus system bus standard; fieldbus via option slots

Protocols:
PROFINET IO (DFE32B), Modbus TCP/EtherNet/IP (DFE33B), EtherCAT (DFE24B), PROFIBUS DPV1 (DFP21B), CANopen (DFC11B), DeviceNet (DFD11B), INTERBUS (DFI11B/21B)

Communication expansion:
Option card slots; SBus system bus standard (switchable to CANopen); PROFIsafe via DFS11B/DFS21B; safety motion via DCS31B (SIL 3/PL e)

Electrical

Supply voltage:
3 x AC 380-500 V nominal, 50-60 Hz +/-5%

Rated power (heavy duty / constant torque):
0.55 / 0.75 kW

Output current (heavy duty / constant torque):
2.0 / 2.5 A

Overload capacity:
150% of I_N for minimum 60 s (size 1-6); 200% of I_N for minimum 60 s (size 0); 125% I_N continuous

Output frequency:
0-400 Hz (some sizes maximum 599 Hz)

Minimum braking resistor:
size 0=68 Ω; size 2=15/12 Ω; size 4=6 Ω

DC bus voltage:
Not published as standalone nominal value (follows rectified line voltage)

Environmental

Operating temperature:
0 to +45 °C (no derating)

Storage temperature:
-25 to +70 °C (non-condensing, EN 60721-3-1 1K2)

Relative humidity:
Not published by manufacturer (non-condensing per EN 60721-3-1)

Protection rating:
IP20 (EN 60529)

Physical

Dimensions (H × W × D):
317 × 72.5 × 260 mm

Weight:
2.3 kg

Lifecycle

Current SEW-EURODRIVE product line; official global product page and system manual active (Last verified:
2026-09)