MC07B 0003-5A3-4-00

SEW-EURODRIVE GmbH & Co KG · MOVITRAC® B Standard Inverter

FEATURES

Standard cabinet inverter, 400/500 V class, 0.25 kW.

Hardware

Communication

Built-in ports:
CANopen (basic unit integrated)

Protocols:
CANopen; SBus/RS485 via FSC11B/FSC12B

Communication expansion:
DFE32B (PROFINET), DFE33B (Modbus TCP/EtherNet/IP), DFE24B (EtherCAT), DFP21B (PROFIBUS DPV1), DFD11B (DeviceNet), FSE24B (EtherCAT), FSC11B/12B (SBus/RS485/CANopen); safety: DFS11B (PROFIsafe/PROFIBUS), DFS21B (PROFIsafe/PROFINET)

Electrical

Supply voltage:
3 x AC 400/500 V nominal, +/-10% (EN 50160), 50-60 Hz +/-5%

Rated power:
0.25 kW

Rated output current:
1.0 A

Overload capacity:
125% I_N continuous; 150% I_N for minimum 60 s

Maximum output frequency:
599 Hz

Leakage current:
> 3.5 mA

DC bus voltage:
maximum permitted DC 970 V (per MOVITRAC B system manual §6.9); nominal DC link voltage not published as rated parameter

STO optional (/S0):
Safe Torque Off per IEC 61800-5-2, PL d (EN ISO 13849-1), Cat. 3 (EN 954-1); output stage disable time t_S = 200 ms

Environmental

Operating temperature:
-10 to +50 °C (low power: 230 V up to 2.2 kW, 400 V up to 4 kW); 0 to +50 °C (higher power); derating 2.5% I_N/K from 40-50 °C, 3% I_N/K from 50-60 °C

Storage temperature:
-25 to +75 °C (same as transport)

Relative humidity:
Not published by manufacturer (climate class EN 60721-3-3 class 3K3)

Protection rating:
IP20 (sizes 0-3); IP00 power terminals (sizes 4-5, IP10 with supplied cover)

Physical

Dimensions (H × W × D):
185 × 54.5 × 163.5 mm

Weight:
1.3 kg

Lifecycle

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