MCC91A-0010-5E3-4-000

SEW-EURODRIVE GmbH & Co KG · MOVITRAC® classic Inverter (MCC91A)

FEATURES

Compact monolithic inverter (size 0S), 0.25 kW, 3 x AC 200-500 V universal supply, integrated brake chopper.

Hardware

Cabinet-mounted monolithic inverter for asynchronous and synchronous motors without encoder; integrated brake chopper (4Q); cage-clamp terminals X1/X2; partial spring-loaded terminals; plug-in communication gateway slot (CFX11A:

PROFINET / EtherNet/IP / EtherCAT+SBus PLUS / Modbus TCP); optional CSO safety module for STO PL d; integrated EMC filter; CDM11A diagnostic module / CBG keypad option

Communication

Built-in ports:

No fieldbus onboard; communication via plug-in CFX11A gateway (PROFINET, EtherNet/IP, EtherCAT/SBus PLUS, Modbus TCP)

Protocols:

Binary/analog setpoint onboard; fieldbus protocols via CFX11A gateway option

Communication expansion:

CFX11A gateway slot; CFC11A communication module (up to 8 inverters on one gateway); CSO safety option for STO PL d

Electrical

Supply voltage:

3 x AC 200-500 V nominal, 50-60 Hz +/-5%

Rated motor power (ASM at 400 V):

0.25 kW

Nominal output current:

1.0 A at f_PWM = 4 kHz

Apparent output power:

0.7 kVA

Nominal mains input current:

0.9 A (at 400 V)

Overload capacity:

150% I_N for max. 30 s at f_PWM = 4 kHz; 75% x I_N continuous at f = 0 Hz

Nominal DC link voltage:

DC 560 V (at U_line = 400 V)

Maximum DC link voltage:

DC 980 V

PWM frequency:

4 / 8 / 16 kHz (adjustable)

Maximum output frequency:

599 Hz

Minimum braking resistance:

90 Ω

Brake chopper continuous power:

0.7 kW

Power section nominal power loss:

7 W

Power consumption 24 V:
1 W

Interference suppression:
EMC filter limit value category C2 per EN 61800-3

Environmental

Operating temperature:
-10 to +40 °C (IEC 60721-3-3 class 3K22, non-condensing)

Storage temperature:
-25 to +70 °C (IEC 60721-3-1 class 1K21, non-condensing)

Relative humidity:
Non-condensing (no specific RH percentage published; class 3K22)

Protection rating:
IP20 per EN 60529 (only with power connectors plugged in for line and motor)

Physical

Dimensions (H×W×D):
Not published as numerical table (official dimension drawing not extracted to text at curation time; monolithic enclosure, sizes 0S/0L per product manual)

Weight:
1.7 kg

Lifecycle

Current SEW-EURODRIVE product line; official MOVITRAC classic product manual and SEW global product page active (Last verified:
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