

MDA90A-0120-503-X-000

SEW-EURODRIVE GmbH & Co KG · MOVIDRIVE® modular Single-Axis Module

FEATURES

Single-axis inverter module, 12 A rated output, DC link powered.

Hardware

Communication

Built-in ports:

System bus via backplane (X30)

Protocols:

EtherCAT/SBusPLUS system bus

Communication expansion:

Option cards - /CES11A (multi-encoder), /CID21A (encoder interface), /CIO21A (I/O expansion), /CS..A (safety card), /L (conformal coated PCB)

Electrical

Supply voltage:

via DC link (see supply module MDP90A/MDR90B)

DC link rated voltage:

DC 560 V nominal, operating range DC 560-780 V (per MOVIDRIVE modular technical data)

Rated output current:

12 A (performance class)

Overload capacity:

250% of rated output current for 1 s maximum

Output frequency:

U/f 599 Hz; VFCplus 250 Hz; CFC 500 Hz; ELSM 500 Hz maximum

Auxiliary supply:

DC 24 V (-10%/+20%), standby power consumption 4.3 W (sizes 0020-0480); energy-saving standby reduces up to 89%

Rated motor power (typical ASM, per MOVIDRIVE modular motor assignment table):

5.5 kW

Environmental

Operating temperature:

0 to +45 °C (no derating)

Storage temperature:

-25 to +70 °C (non-condensing)

Relative humidity:

Not published by manufacturer (non-condensing)

Protection rating:

IP20

Physical

Dimensions (H × W × D):

Not published as numerical table (published as Maßbild dimension drawings per size; base plate: Base plate width 60 mm, depth 355 mm)

Weight:

Not published as numerical table (published as dimension drawings per size)

Lifecycle

Current component of MOVIDRIVE® modular platform; official product manual active (Last verified:
2026-09)