MXA80A-012-503-00

SEW-EURODRIVE GmbH & Co KG · MOVIAXIS® Multi-Axis Servo Inverter Axis Module

FEATURES

Multi-axis servo axis module, 12 A rated output (PWM 8 kHz), shared DC bus.

Hardware

Communication

Built-in ports:
System bus connection (standard -00 via external cable; -0E integrates CAN-based SBus)

Protocols:
PROFIBUS, EtherCAT, K-Net, SBusPLUS (via MXM80A main module gateway)

Communication expansion:
Via MXM80A main module; fieldbus gateway options

Electrical

Supply voltage:
via DC link (see supply module MXP80A)

DC link rated voltage:
DC 560 V

Rated output current (PWM 4 kHz continuous):
12 A

Rated output current (PWM 8 kHz):
12 A

Rated output current (PWM 16 kHz):
8 A

Maximum output current:
30 A (250% of I_N for 1 s maximum)

Maximum output frequency:
600 Hz

PWM frequency:
4 / 8 / 16 kHz selectable, factory default 8 kHz (16 kHz not supported on 048-100)

Apparent output power:
8.5 kVA

Power loss at nominal capacity:
150 W

Environmental

Operating temperature:
45 °C maximum (official operating instructions)

Storage temperature:
-25 to +70 °C (per MOVIAXIS system manual general technical data)

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

Protection rating:
IP00 (without touch guards; designed for metal control cabinet installation)

Physical

Dimensions (H × W × D):
400 × 90 × 254 mm

Weight:
5.2 kg

Lifecycle

Phase-out expected per SEW Generation B to MOVI-C transition; EOS date not confirmed in accessible official sources (Last verified:
2026-09)