01 / Complete-drive dashboard

SEW

MDX61B0110-5A3-4-00

Drive Inverter

Product role

SEW MDX61B0110-5A3-4-00 is a MOVIDRIVE drive inverter for controlled motor operation, offered as the complete assembly with an MDX60A0110-5A3-4-00 power section.

Supply and power
MDX60A0110-5A3-4-00

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Drive control
MDX61B-00 electronics

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Complete assembly
MDX61B0110-5A3-4-00

Assembly scope

The main product identity is the complete MDX61B drive, part number 08279632. The power-section nameplate is retained as component identification. Motor data, installed options and parameters must match the intended machine.

02 / Electrical and integration data

Power / design	Applicable data	Control / environment	Applicable data
Design / size	Standard design / size 2	Minimum braking resistance	22 ohms for 4-quadrant operation
Nominal supply	3 × 380–500 VAC	Analog setpoint ranges	0–10 V, ±10 V, 0–20 mA or 4–20 mA
Line frequency	50–60 Hz ±5%	Analog resolution / sampling	12-bit voltage; 11-bit current; 1 ms
Nominal line current	21.6 A at 400 V, 100% rating	Digital inputs	8; controller inhibit fixed, 7 selectable
Nominal output current	24 A at 400 V	Basic communication	SBus (CAN 2.0 A/B) and RS485
Recommended motor, constant load	11 kW	Degree of protection	IP20, size 2
Maximum output frequency	599 Hz	Ambient at nominal current	0–50 °C at 100% current and 4 kHz PWM
PWM frequency	Selectable 4 / 8 / 12 / 16 kHz	Power terminal torque	1.5 Nm, size 2

03 / Applications and control integration

Variable-speed motor control

Use the 400/500 V drive with a correctly selected motor and operating mode. The 11 kW constant-load recommendation and 24 A nominal current retain their specified supply and thermal conditions.

Analog process setpoints

Connect a voltage or current reference to the differential analog input. Coordinate S11 and P11_ with the selected 0-10 V, +/-10 V, 0-20 mA or 4-20 mA source.

Digital machine sequencing

Use the configurable digital inputs and outputs for the installed command and status functions. Preserve the fixed controller-inhibit and brake-output roles when reviewing wiring.

Networked drive coordination

Integrate the basic SBus or RS485 interfaces with the matching control system. Identify any installed option card before assigning a fieldbus protocol or replacement configuration.

Input and network boundary

The base-drive analog range and serial interfaces describe the standard electronics. They do not establish which optional fieldbus card, motor feedback system or saved application configuration is present in a particular supplied assembly.

04 / Engineering decisions and precautions

Complete assembly identity

Match MDX61B0110-5A3-4-00 and part number 08279632 as the offered drive. The MDX60A0110-5A3-4-00 power-section marking alone does not identify the complete control configuration.

Isolation and stored energy

Qualified personnel must isolate all supplies, prevent unintended motor movement and follow the applicable SEW discharge and verification procedure before touching power or control connections.

Supply and thermal derating

Use the 380-500 VAC three-phase supply range. Reduce nominal supply and output currents by 20% at 500 V and apply the PWM-dependent ambient and continuous-current limits.

Braking and motor duty

Do not select a braking resistance below 22 ohms. Verify resistor power, duty cycle and protection against the actual application; the minimum resistance alone is not a complete selection.

Control wiring

Match analog-input range, digital assignments and communication termination to the installed settings. Do not apply an external voltage to the digital outputs; their total 24 V current budget must be respected.

Cooling and terminal work

Maintain the IP20 drive inside the required enclosure with unobstructed cooling. Under the applicable UL wiring conditions, use 60/75 °C copper wire and the size-2 power-terminal tightening torque of 1.5 Nm.

05 / Sources and related portfolio

Lifecycle and supply

The current manufacturer lifecycle phase of MDX61B0110-5A3-4-00 has not been confirmed. Confirm support and replacement against the installed motor, options and parameters. Apter Power supply availability is separate from manufacturer lifecycle status.

Reference basis

SEW-EURODRIVE MOVIDRIVE MDX60B/61B Catalog, 27793206/EN, edition 08/2022; Information regarding UL, 20116144/EN, edition 03/2013.

Apter Power technical summary; not a manufacturer-issued manual. Apply the original instructions for the actual installation.

Related industrial automation products

Navigation only; no substitution or compatibility claim.

ABB RINT-5521C 3AUA0000016016E

Rexroth DKC10.3-012-3-MGP-01VRS

ABB PSTX300-600-70-1SFA898114R7000

Discuss your installed configuration

Send the full unit marking and connection details.

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