EVS9322-CSV003

Lenze · Global Drive 9300 Servo Inverters

Global Drive 9300 standard servo inverter, cold-plate design (software variant V003)

Hardware

Rated motor power: 0.75 kW (4-pole asynchronous motor, 400 V)
Rated output current: 2.5 A nominal at 8 kHz switching frequency
Maximum output current: 3.8 A at 8 kHz switching frequency (150 % x In in overload mode, per official 9300 Servo Inverters catalogue "Basic dimensioning of axis modules" p.18; rated-data table periodic overload cycle)
Control: field-oriented servo control (SC) for synchronous and asynchronous servo motors and standard asynchronous motors
Analog inputs: 2, +/-10 V (switchable 0...20 mA), 11 bits + sign
Analog outputs: 2, 9 bits + sign
Digital inputs: 6 (1 controller enable + 5 freely assignable), PLC level per IEC 61131-2
Digital outputs: 4, 50 mA per output
Resolver input: Sub-D 9-pin
Encoder input: multi-encoder input for TTL/SinCos incremental encoders and Hiperface absolute encoders
Digital frequency input/output: two-track each, Sub-D 9-pin

Communication

Built-in ports: CAN system bus (X4), AIF automation interface (X1) for keypad or attachable communication module
Protocols: CANopen (integrated system bus)
Communication expansion: AIF slot for attachable modules: PROFIBUS DP (EMF2133IB), DeviceNet (EMF2179IB), INTERBUS (EMF2113IB), LECOM AB (EMF2102IB)

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Electrical

Supply voltage: 3/PE AC 320...528 V nominal, 45...65 Hz; alternative DC supply DC 460...740 V per official rated-data table
Power loss at 400 V: 110 W per official rated-data table

Environmental

Operating temperature: 0...+55 °C ambient (sizes 9321-9326, 0.37-11 kW), with output-current derating of 2.5%/°C above +40 °C per official 9300 Servo Inverters catalogue (en 03/2009) Standards and operating conditions table, not UL-approved
Storage temperature: -25...+55 °C per official product information leaflet
Relative humidity: average 85 % RH, without condensation (climatic class 3K3 per EN 50178); per official "Standards and operating conditions" table, Automation en 4/2004, 9300 Servo PLC
Protection rating: IP20

Physical

Dimensions (H×W×D): 350×78×158 mm (cold-plate design, rear flat cooling surface; per official 9300 Servo Inverters catalogue rated-data table, row "Depth cold plate T": sizes 9321-9326 = 158 mm, sizes 9327-9328 = 160 mm; mounting instructions MA9300PLC section 4.1.4 Figs. 4-4/4-5); body width/height family-aggregated per size table (sizes 9321/9322)
Weight: Not published as numerical value for the cold-plate variant (official catalogue rated-data table; built-in design mass referenced below)
Note: Reference to official built-in design data: Dimensions (H×W×D) 350×78×250 mm, Weight 3.5 kg (per official built-in design data; cold-plate depth per official catalogue "Depth cold plate T" row)

Lifecycle

Legacy: official Lenze "previous products" page active; superseded by newer drive generations; official migration path to i950 exists - Lenze confirms the i950 replicates 9300 servo behaviour via compatibility switch / i950 PROFIBUS module / L_ICIP library (per Lenze press release ITMA Asia 2025 and Lenze AKB articles 321231/316137, covering 8200vector/9300/8400/9400); no drop-in same-order-code replacement (Last verified: 2026-10)

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