E94P040T4NEM

Lenze · PositionServo Model 940

PositionServo Model 940 (encoder-based) servo controller, 480 VAC 3-phase class, 4 A continuous output.

Hardware

Drive input: 320 … 528 VAC, 3-phase, 50/60 Hz nominal (480 VAC class unit)
Continuous output current (rms): 4 A nominal
Continuous power: 800 W @ 240 VAC (rated continuous power at 240 VAC as published)
Peak output current (rms): 12 A maximum (overload adjustable up to 300 % of continuous rating at 8 kHz for 2 s; 250 % at 16 kHz for 2 s)
Digital inputs: 12 (5 … 24 VDC, optically isolated)
Digital outputs: 4 (5 … 24 VDC @ 100 mA, optically isolated open collector)
Analog inputs: 2
Analog outputs: 1
Encoder input: Up to 2 MHz (1 standard; optional resolver input 12-bit)

Communication

Built-in ports: RS232 (PPP) on board; optional Ethernet TCP/IP, RS485 (PPP or Modbus RTU Slave), CANopen 250/500/1000 kBaud
Protocols: RS232 PPP; optional Modbus RTU, CANopen, Ethernet TCP/IP
Communication expansion: Option modules for fieldbus interfaces

Electrical

Supply voltage: 320 … 528 VAC 3-phase 50/60 Hz nominal
Power consumption: Not published by manufacturer (input power not listed as a separate rated value)

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Environmental

Operating temperature: 0 … +40 °C
Storage temperature: -10 … +70 °C
Relative humidity: 5 … 90 % non-condensing
Vibration: 2 g (10 - 2000 Hz)
Temperature drift: 0.1 % per °C rise
Site altitude: up to 1500 m (derate 1 % per 300 m above 1500 m)
Protection rating: Not published by manufacturer (IP rating not listed in the PositionServo 940 specifications)

Physical

Dimensions (H×W×D): 190 × 95 × 190 mm
Weight: 1.9 kg

Lifecycle

Current: Lenze PositionServo Model 940 documentation and product range active; no EOS announcement found **(Last verified:** 2026-10)
Note: E94P040T4NEM is a PositionServo Model 940 (E94P) drive, not a 9400 Servo Drive; the base type is E94P040T4N with options/firmware suffix EM.
Audit status: OFFICIAL_VERIFIED