EPM-S302

Lenze · I/O System 1000 (EPM-Sxxx)

Eight-channel digital output compound module (NPN, DC 24 V) for the Lenze I/O System 1000; switches binary loads at 24 V DC.

Hardware

Number of outputs: 8 (digital, NPN)
Output voltage nominal: DC 24 V (DC 20.4 … 28.8 V)
Output current per channel: 0.5 A nominal
Total current per group: 4 A maximum (horizontal mounting, 40 °C and 60 °C; vertical 4 A)
Current consumption from load voltage L+: 15 mA typical (without load)
Output data size: 8 bits

Communication

Built-in ports: None (backplane-bus I/O compound module)
Protocols: Not applicable (I/O compound module; fieldbus provided by EPM-S1xx bus coupler)
Communication expansion: None (mounts on the I/O System 1000 backplane bus)

Electrical

Supply voltage: DC 24 V nominal (DC 20.4 … 28.8 V; backplane electronics via bus coupler; load voltage L+ for outputs)
Backplane Current Consumption: 65 mA (from backplane bus, per official I/O System 1000 rated data)
Power loss: 0.7 W (per official rated data)

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Environmental

Operating temperature: 0 … +60 °C (horizontal and vertical mounting, per EN 61131-2; official I/O System 1000 ambient conditions)
Storage temperature: Not published by manufacturer
Relative humidity: Not published as numerical value (non-condensing; no specific %RH published in official I/O System 1000 manual)
Protection rating: Not published by manufacturer (DIN-rail backplane module)

Physical

Dimensions (H×W×D): 109 × 12.5 × 76.5 mm (single-width I/O compound module housing, per official I/O System 1000 v7.1 Fig. 5-1 dimensions; all EPM-S2xx...S6xx compound modules share this housing)
Weight: Not published by manufacturer

Lifecycle

Current: I/O System 1000 is an active Lenze product line; official product pages and reference manual v7.1 available **from Lenze (Last verified:** 2026-10)
Audit status: OFFICIAL_VERIFIED