EPM-S202

Lenze · I/O System 1000 (EPM-Sxxx)

Eight-channel digital input compound module (NPN, IEC 61131 type 1) for the Lenze I/O System 1000; detects binary signals from switches and proximity switches.

Hardware

Number of inputs: 8 (digital, NPN)
Input voltage nominal: DC 24 V (DC 20.4 … 28.8 V)
Signal "0": DC 0 … 5 V; signal "1": DC 15 … 28.8 V
Input current at signal "1": 3 mA typical per channel
Input characteristic: IEC 61131, type 1
Galvanic isolation: Between channels and backplane bus
Input data size: 8 bits

Communication

Built-in ports: None (backplane-bus I/O compound module; no fieldbus port of its own)
Protocols: Not applicable (I/O compound module; fieldbus is provided by the 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; supplied via backplane bus by the bus coupler)
Backplane Current Consumption: 60 mA (from backplane bus, per official I/O System 1000 rated data)
Power consumption: Not published by manufacturer (only backplane current specified)

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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; no per-module IP rating in extracted data)

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