Keyence KV-N40DTP

Model: KV-N40DTP
Brand: Keyence
Series: KV Nano

Input 24 points/output 16 points for the KV Nano series all-in-one PLC (terminal block type).

—— Hardware ——
Program capacity: 16k
Instruction execution speed: Basic min. 50 ns; Application min. 170 ns
Program language: Expanded ladder, KV Script, mnemonic
Built-in I/O: Input 24 points/output 16 points
Positioning pulse output: 3 axes, max. 100 kHz
High-speed counter: 2 points, 32-bit auto-reset (100 kHz single phase, 50 kHz phase difference)

—— I/O Capacity ——
Via backplane I/O modules (up to 8 expansion units, max. 256 I/O points excluding base unit)

—— Communication ——
Built-in ports: RS-232C (modular connector)
Protocols: KV STUDIO, no-protocol serial
Communication expansion: Via backplane communication modules

—— Electrical ——
Supply voltage: 24 VDC (+/-10%) nominal
Output power supply: 24 VDC (+/-10%), 0.6 A capacity
Output type: MOSFET transistor (source/PNP), 30 VDC 0.5 A per point

—— Environmental ——
Operating temperature: 0 to +55 ° C (no freezing)
Storage temperature: -25 to +75 ° C
Relative humidity: 5 to 95% RH (no condensation)
Protection rating: Not available

—— Physical ——
Dimensions (H×W×D): Not available
Weight: Approx. 0.62 kg

—— Lifecycle ——

You can contact us through the following contact information

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Active; official Keyence production status confirmed via product/spec page (Last verified: 2026-09)

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