

Keyence KV-8000A

Model: KV-8000A

Brand: Keyence

Series: KV-8000

CPU unit for the KV-8000 series building-block PLC with built-in operation recorder function.

—— Hardware ——

CPU memory capacity: 64 MB

Program capacity: Approx. 1,500 k steps

Instruction execution speed: Basic instructions min. 0.96 ns; Applied instructions min. 5.75 ns;

Double-precision floating-point min. 58 ns

Program language: Expanded ladder, KV Script, mnemonic

Max. number of installable units: 16 (KV-8000/7000 expansion only); 48 with KV-EB1 extension

Max. I/O points: 3,072 points for expansion

—— I/O Capacity ——

Via backplane I/O modules

—— Communication ——

Built-in ports: Ethernet (RJ-45, EtherNet/IP)

Protocols: EtherNet/IP, OPC UA server, FTP client/server, KV STUDIO

Communication expansion: Via backplane communication modules (incl. KV-XL202 RS-232C serial unit)

—— Electrical ——

Supply voltage: 24 VDC (-15%/+20%) with KV-8000/7000 expansion only; 24 VDC (+/-10%) with KV-5000/3000 expansion

Internal current consumption: 400 mA or less

—— Environmental ——

Operating temperature: 0 to +55 ° C (no freezing) with KV-8000/7000 expansion only

Storage temperature: -25 to +75 ° C with KV-8000/7000 expansion only

Relative humidity: 5 to 95% RH (no condensation)

Protection rating: Not available

—— Physical ——

Dimensions (H × W × D): Not available

Weight: Approx. 0.34 kg (CPU); KV-B1 battery approx. 0.01 kg

You can contact us through the following contact information

www.sparetechplc.com +86 180 3000 5825 sales@sparetechplc.com

—— Lifecycle ——

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



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