

Keyence IV3-G120

Model: IV3-G120

Brand: Keyence

Series: IV3 Series

Compact model sensor amplifier (DIN-rail mount) for IV3-G series compact sensor heads.

—— Hardware ——

Type: Compact model sensor amplifier

Available modes: Standard mode / Sorting mode

Number of tools: 65 tools

Switch settings (programs): 128 programs (with SD card) / 32 programs (without SD card)

—— Communication ——

Built-in ports: RJ-45 8-pin connector (1000BASE-T/100BASE-TX)

Protocols: EtherNet/IP, PROFINET (Class B), TCP/IP non-procedure comm, FTP client, SFTP client

Communication expansion: DL Series units (EtherCAT, CC-Link, DeviceNet, RS-232C, PROFIBUS)

—— Electrical ——

Supply voltage: 24 VDC +/-10% (including ripple)

Power consumption: 2.2 A or less (including communication unit, without AI lighting unit, with output load); 3.4 A or less (including communication unit, with AI lighting unit, with output load)

Output type: Photo MOS relay output, N.O./N.C. switchable, maximum rating 30 V 50 mA

Number of inputs: 8 (IN1 to IN8)

Number of outputs: 8 (OUT1 to OUT8)

—— Environmental ——

Operating temperature: 0 to +50° C (no freezing)

Relative humidity: 35 to 85% RH (no condensation)

Protection rating: Not available

—— Physical ——

Dimensions (H×W×D): Not available

Material: Main unit case: PC. I/O terminal block: PA. Ethernet connector: Copper alloy + Ni plating.

Main unit rear DIN rail fixing tab: POM. Power connector: PA/POM. Sensor head connector: Zinc + Ni plating/PA. Main unit rear heat sink: Aluminum. Nameplate: PC.

Weight: Approx. 300 g

—— 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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