

Keyence FS-N43N

Model: FS-N43N

Brand: Keyence

Series: FS-N40

Digital fiber optic sensor amplifier, NPN output, Main unit (dual output) with OLED display.

—— Hardware ——

Type: Cable type

Output: NPN

Main/expansion: Main unit (dual output)

Control outputs: 2

External inputs: 1

Response time: 23 μ s (S-HSPD) / 50 μ s (HSPD) / 250 μ s (FINE) / 500 μ s (TURBO) / 1 ms (SUPER) / 4 ms (ULTRA) / 16 ms (MEGA) / 64 ms (TERA)

Light source: Red four-element LED, wavelength 660 nm

Unit expansion: Up to 16 units (17 total incl. main; dual-output counts as 2)

—— I/O Specifications ——

Control output: Open-collector, 30 V max, 100 mA max per output, residual voltage 1.4 V at 10 mA; 2 V at 10-100 mA

External input: Input time 2 ms (ON) / 20 ms (OFF) or longer

—— Communication ——

Built-in ports: None

Protocols: None

Communication expansion: None

—— Electrical ——

Supply voltage: 10 to 30 VDC (including 10% ripple P-P or less), class 2 or LPS

Power consumption: 870 mW or less (34 mA at 24 V; ECO ON 800 mW; ECO FULL 710 mW)

—— Environmental ——

Operating temperature: -20 to +55 ° C (no freezing; derates with expansion)

Storage temperature: Not available

Relative humidity: Not available

Protection rating: Not available

—— Physical ——

You can contact us through the following contact information

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

Dimensions (H×W×D): Not available

Weight: Approx. 83 g

—— Lifecycle ——

Active; official Keyence production status confirmed via product/spec page (Last verified: 2026-09) Model: FS-N43N

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