Keyence FS-N41N

Model: FS-N41N
Brand: Keyence
Series: FS-N40

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

—— Hardware ——
Type: Cable type
Output: NPN
Main/expansion: Main unit
Control outputs: 1
External inputs: None
Response time: 23 µs (S-HSPD) / 50 µs (HSPD) / 250 µs (FINE) / 500 µs (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. 78 g

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

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