

Keyence IL-S065

Model: IL-S065

Brand: Keyence

Series: IL series

CMOS laser displacement sensor head, compact short-range reflective type.

—— Hardware ——

Sensor type: CMOS laser displacement sensor head (triangulation, reflective)

Reference distance: 65 mm

Measurement range: 55 to 75 mm

Light source: Red semiconductor laser, wavelength 655 nm (visible light)

Laser output: 560 μ W

Laser class: Class 2 (IEC 60825-1; FDA CDRH Part1040.10)

Spot diameter (at standard distance): Approx. 55 x 1,700 μ m

Linearity: ± 0.05 % of F.S. (55 to 65 mm); ± 0.075 % of F.S. (55 to 75 mm)

Repeatability: 2 μ m (standard white diffuse target, 1 ms sampling)

Sampling rate: 0.33 / 1 / 2 / 5 ms (4 levels selectable)

Temperature characteristics: 0.02 % of F.S./ $^{\circ}$ C

—— Communication ——

Built-in ports: None

Protocols: None

Communication expansion: None

—— Electrical ——

Supply voltage: Not available (powered by IL series amplifier unit)

Power consumption: Not available

Output type: Not available (sensor head; connects to IL amplifier)

—— Environmental ——

Operating temperature: -10 to +50 $^{\circ}$ C (No condensation or freezing)

Storage temperature: Not available

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

Protection rating: IP67

—— Physical ——

Dimensions (H $\times$ W $\times$ D): Not available

Weight: Approx. 75 g

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)



You can contact us through the following contact information

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