

# Keyence GT2-H12KLF

Model: GT2-H12KLF

Brand: Keyence

Series: GT2 series

High-accuracy digital contact sensor head, box type, low-stress high-precision, 12 mm stroke.

## — Hardware —

Detection system: Scale Shot System, absolute (no tracking error) type

Measuring range: 12 mm

Resolution: 0.1  $\mu\text{m}$

Indicated accuracy: 1  $\mu\text{m}$  (p-p)

Measuring force (downward mounting): 0.4 N

Measuring force (side mounting): 0.3 N

Measuring force (upward mounting): 0.2 N

Sampling cycle: 1 ms

Mechanical response: 4 Hz (at 20 ° C)

Operation indicator: 2-colour LED (red, green)

## — Communication —

Built-in ports: None

Protocols: None

Communication expansion: None

## — Electrical —

Supply voltage: Not available (powered by GT2 series amplifier)

Power consumption: Not available

Output type: Not available (sensor head; connects to GT2 amplifier via M8 connector)

## — Environmental —

Operating temperature: -10 to +55 ° C (No freezing)

Storage temperature: Not available

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

Protection rating: Not available

## — Physical —

Dimensions (H × W × D): Not available

Weight: Approx. 100 g (not including cable)

You can contact us through the following contact information

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—— Lifecycle ——

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



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