

Keyence GT2-PA12

Model: GT2-PA12

Brand: Keyence

Series: GT2 series

High-accuracy digital contact sensor head, pencil type, standard, 12 mm stroke.

—— Hardware ——

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

Measuring range: 12 mm

Resolution: 0.1 μm

Indicated accuracy: 1 μm (p-p)

Measuring force (downward mounting): 0.2 N

Sampling cycle: 1 ms

Mechanical response: 10 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: 0 to +55 ° C (No freezing)

Storage temperature: Not available

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

Protection rating: IP67 (IEC)

—— Physical ——

Dimensions (H × W × D): Not available

Weight: Approx. 35 g (not including cable, including relay connector)

—— Lifecycle ——

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

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