

CE c us

Model Number

GL5-T/43a/155

Photoelectric slot sensor With flat connector, 4-pin

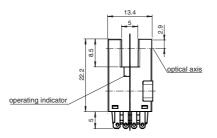
Features

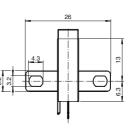
- Miniature design
- Optimized for the detection of small parts
- High switching frequency
- Simple and fast mounting
- Clearly visible LED functional display

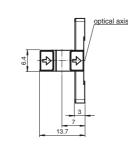
Product information

The GL5 miniature slot sensor compares a high optical performance in a small housing and is optimized to the requirements in semiconductors industry for small part detection. A wide voltage range of 5 - 24 V DC and the fastest switching frequency of 5 kHz in its class stands for the quality of this sensor. The integrated aperture allows the small part detection with a minimum object size of 0.8 x 1.8 mm. The sensor offers antivalent npn or pnp outputs. Due to a variety of different housings and an optimized housing concept offers the sensor a maximum of freedom in a crowded mounting environment.

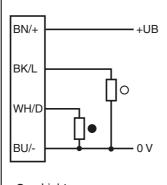
Dimensions







Electrical connection



O = Light on ● = Dark on

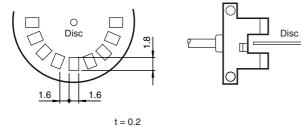
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USA: +1 330 486 0001 fa-info@us.pepperl-fuchs.com



General specifications Light type Infrared, continuous light, 940 nm Target size 0.8 x 1.8 mm Fork width 5 mm Armbient light limit 1000 Lux Functional safety related parameters Immediate the second secon	Technical data		
Light type Infrared, continuous light, 940 nm Target size 0.8 x 18 mm Fork width 5 mm Ambient light limit 1000 Lux Functional safety related parameters 760 a MTTF _d 3760 a Mission Time (T _M) 20 a Diagnostic Coverage (DC) 0 % Indicators/operating means Function display Function display red LED lights up when receiving the light beam Electrical specifications max. 20 mA Output 0g 5 24 V DC, class 2 No-load supply current nmax. 30 v DC Switching voltage max. 30 V DC Switching current max. 30 V DC Switching requency f Max. 30 v DC ax. 30 v DC Switching frequency f Max. 30 v DC ax. 30 v DC Switching frequency f Max. 30 v DC ax. 30 v DC Switching frequency f Ambient conditions ax. 30 v DC Ambient conditions 25 55 °C (-13 131 °F) Storage temperature -30 80 °C (-22 176 °F)	General specifications		
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	CCC approval		

The response frequency is the value when the disc, given in the figure below, is rotated.



Applications

The GL5 is suited for applications in the semiconductor and electronic industrial environment.

Typical applications include:

- 1. Detection of lead frames
- 2. Detection of cam positions
- 3. Detection of limit positions of moving objects
- 4. Position detection of wafer cases

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Accessories

CBL SET GL5

Connection cable for GL5 series

Other suitable accessories can be found at www.pepperl-fuchs.com

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