



Model Number

GL5-U/25/46a/115e

Photoelectric slot sensor 150 mm fixed cable with JST plug, 3-pin

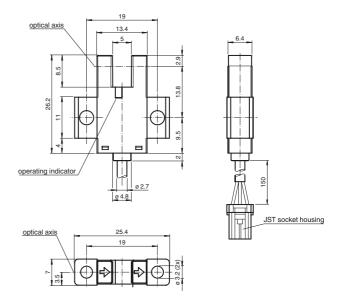
Features

- 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

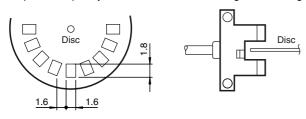


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IRED
Infrared, continuous light, 940 nm
0.8 x 1.8 mm
5 mm
8.5 mm
1000 Lux
3760 a
20 a
0 %
red LED lights up when receiving the light beam
5 24 V DC , class 2
max. 20 mA
< 2 ms
light on
1 PNP , overvoltage protected
max. 30 V DC
max. 50 mA, resistive load
max. 0.2 V at 10 mA max. 0.6 V at 50 mA
max. 5 kHz
40 μs Light beam is not interrupted 80 μs Light beam is interrupted
0.03 mm
-25 55 °C (-13 131 °F)
-30 80 °C (-22 176 °F)
2
IP50
0.15 m cable with 3-pin JST connector
PBT
3 g
0.6 Nm
0.15 m
eti-
EN 60947-5-2:2007+A1:2012
UL 60947-5-2
al II us Bassanizad, Class 2 Power Source
cULus Recognized, Class 2 Power Source CCC approval / marking not required for products rated ≤36 V
5

Response frequency

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



t = 0.2

Applications

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

Typical applications include:

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