



Model Number

GL5-U/45a/59/115e

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

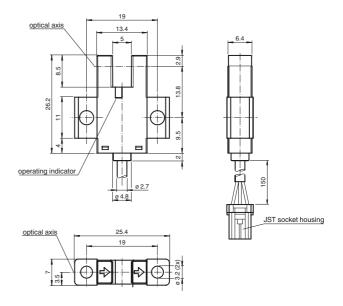
Features

- 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

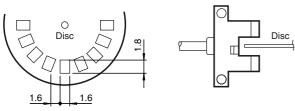


Electrical connection



	IRED
	Infrared, continuous light , 940 nm
	0.8 x 1.8 mm
	5 mm
	8.5 mm
	1000 Lux
eters	
	3760 a
	20 a
	0 %
	red LED lights up when receiving the light beam
Un	5 24 V DC , class 2
	max. 20 mA
-	< 2 ms
٠٧	12.110
	dark on
	1 NPN , overvoltage protected
	max. 30 V DC
	max. 50 mA , resistive load
Ua	max, 0.2 V at 10 mA max, 0.6 V at 50 mA
f	max. 5 kHz
	40 μs Light beam is not interrupted 80 μs Light beam is interrupted
R	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
vs	0.6 Nm
	0.15 m
direct	i-
	EN 00047 5 0.0007, A4.0040
	EN 60947-5-2:2007+A1:2012
	LII 00047 5 0
	UL 60947-5-2
	cULus Recognized, Class 2 Power Source
	9 ,

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

