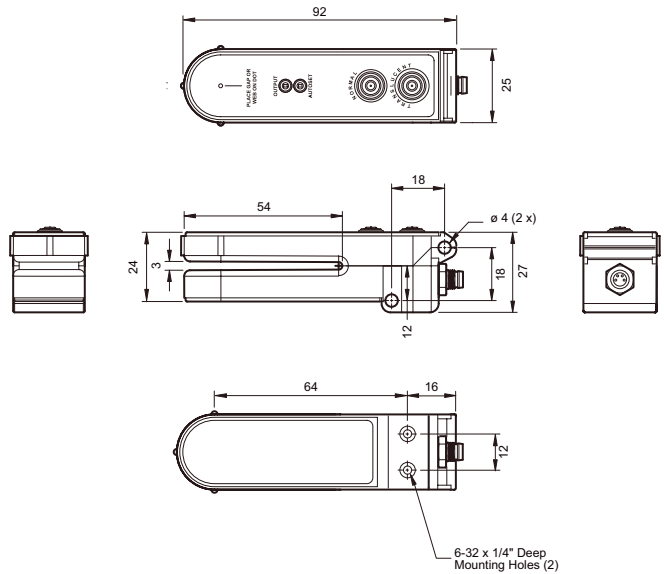## Dimensions

Model Number

GLD3-RT/95/147

Photoelectric slot sensor
with 4-pin, M8 x 1 connector

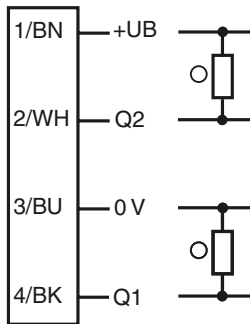## Features

- Push-button programmable
- Adjustable sensitivity
- Detection of paper and foil labels, including translucent varieties

Electrical connection

1/BN	+UB
2/WH	Q2
3/BU	0 V
4/BK	Q1

○ = Light on
● = Dark on

Pinout

Subject to modifications without notice

Pepperl+Fuchs Group   USA: +1 330 486 0001   Germany: +49 621 776-4411   Singapore: +65 6779 9091
www.pepperl-fuchs.com   fa-info@us.pepperl-fuchs.com   fa-info@pepperl-fuchs.com   fa-info@sg.pepperl-fuchs.com

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Technical data

General specifications

Light source		LED
Light type		modulated visible red light
Approvals		CE
USA		cULus
Canada		cULus
Fork width		3 mm

Indicators/operating means

Function display		2 LEDs

Electrical specifications

Operating voltage	U_B	10 ... 30 V DC
Ripple		10 %
No-load supply current	I_0	≤ 45 mA

Output

Switching type		light/dark on
Signal output		1 NPN and 1 PNP Short circuit and overload protected Reverse polarity protected
Switching current		max. 150 mA
Voltage drop	U_d	≤ 1.5 V
Switching frequency	f	5 kHz
Response time		≤ 100 μs

Ambient conditions

Ambient temperature		-40 ... 70 °C (-40 ... 158 °F)
Storage temperature		-40 ... 70 °C (-40 ... 158 °F)

Mechanical specifications

Protection degree		IP66
Connection		M8 x 1 connector, 4-pin
Material		
Housing		Thermoplastic PPS
Optical face		zylex
Mass		53.86 g

Compliance with standards and directives

Standard conformity		
Product standard		EN 60947-5-2:2007 IEC 60947-5-2:2007

Approvals and certificates

UL approval		cULus
CCC approval		Products with a maximum operating voltage of ≤36 V do not bear a CCC marking because they do not require approval.

GLD3 series programming

Programming standard labels:

1. Use the external alignment guides on the sensor housing to position the alignment dot over the label gap
2. Push the teach button labeled "Normal" for 1 second
3. The green Autoset LED will blink several times very fast during the teach process

If the teach is successful, the green Autoset LED will be ON.

If the teach is not successful, both the green Autoset LED and the red Output LED will blink 2 times very slow, then the green Autoset LED will be ON.

Programming translucent labels:

1. Use the external alignment guides on the sensor housing to position the alignment dot over the label gap
2. Push the teach button labeled "Translucent" for 1 second
3. The green Autoset LED will blink several times very fast during the teach process

If the teach is successful, the green Autoset LED will be ON.

If the teach is not successful, both the green Autoset LED and the red Output LED will blink 2 times very slow, then the green Autoset LED will be ON.

Light On/Dark On:

The output of the sensor can be inverted by pressing both the Normal button and Translucent simultaneously. The red Output LED and the sensors output will change states.

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