



Model Number

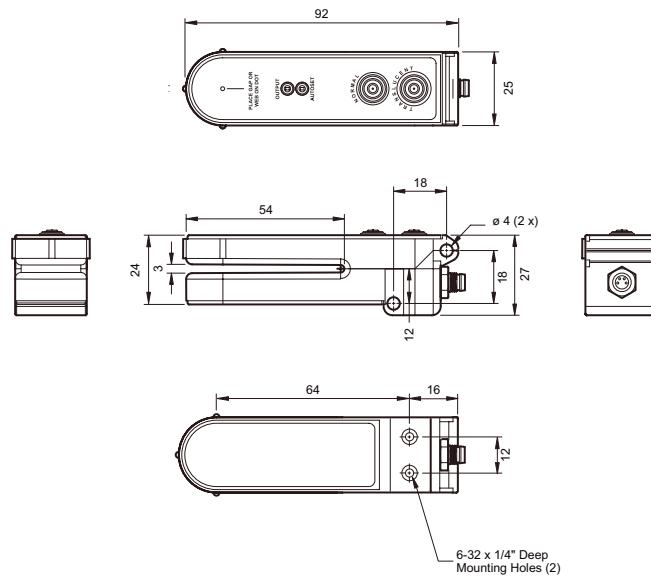
GLD3-RT/95/147

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

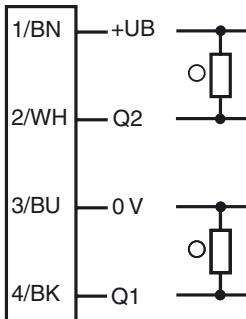
Features

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

Dimensions



Electrical connection



○ = Light on
● = Dark on

Pinout

Wire colors in accordance with EN 60947-5-2



1	BN (brown)
2	WH (white)
3	BU (blue)
4	BK (black)

Technical data

General specifications

Light source	LED
Light type	modulated visible red light
Slot width	3 mm
Slot depth	54 mm

Indicators/operating means

Function indicator	2 LEDs
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Electrical specifications

Operating voltage	U_B	10 ... 30 V DC
Ripple		10 %
No-load supply current	I_0	$\leq 45 \text{ mA}$

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 $\leq 1.5 \text{ V}$
Switching frequency	f 5 kHz
Response time	$\leq 100 \mu\text{s}$

Conformity

Product standard	EN 60947-5-2
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Ambient conditions

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

Mechanical specifications

Housing width	25 mm
Housing height	27.21 mm
Degree of protection	IP66
Connection	M8 x 1 connector, 4-pin
Material	
Housing	Thermoplastic PPS
Optical face	zylex
Mass	53.86 g

Approvals and certificates

UL approval	cULus
CCC approval	CCC approval / marking not required for products rated $\leq 36 \text{ V}$
Approvals	CE
USA	cULus
Canada	cULus

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.