



Model Number

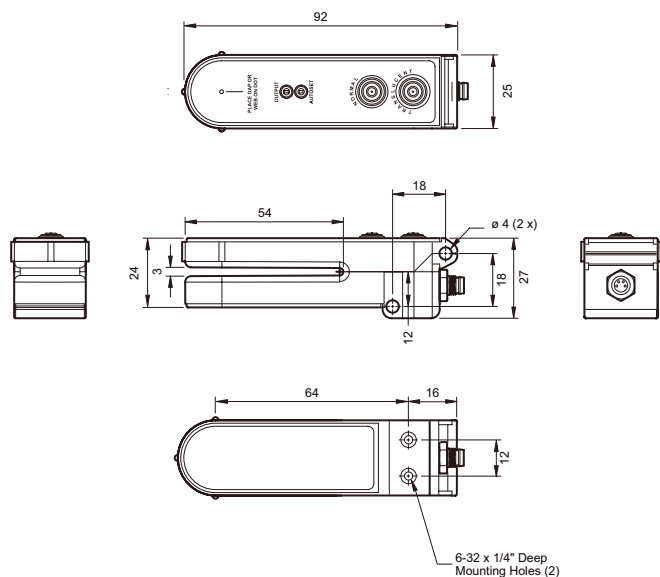
GLD3-RT/95/147

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

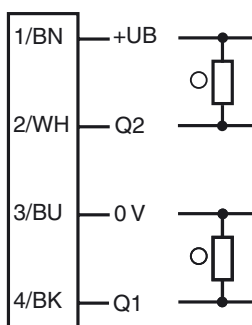
Features

- 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	≤ 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	

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 ≤36 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.