



Model Number

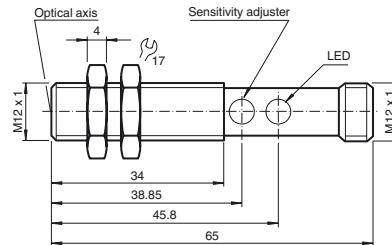
GLV12-8-200/37/40b/92

Diffuse mode sensor
with 4-pin, M12 x 1 connector

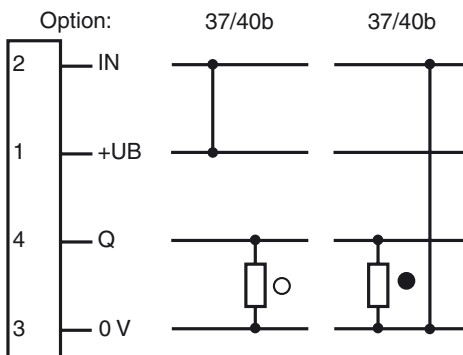
Features

- M12 threaded housing made of brass, nickel plated
- Visible red light
- Light/dark ON, programmable
- Protection degree IP67

Dimensions



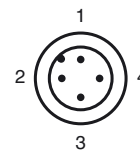
Electrical connection



○ = Light on

● = Dark on

Pinout



Technical data**General specifications**

Detection range	0 ... 200 mm
Adjustment range	20 ... 200 mm
Reference target	standard white 200 mm x 200 mm
Light source	LED, 640 nm
Light type	modulated visible red light
Approvals	CE
Ambient light limit	20000 Lux

Indicators/operating means

Function display	LED yellow: switching state
Controls	Detection range adjuster

Electrical specifications

Operating voltage	U_B	10 ... 30 V DC
Ripple		10 %
No-load supply current	I_0	≤ 20 mA
Time delay before availability	t_v	≤ 25 ms

Input

Control input	light on +UB dark on: 0 V
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Output

Switching type	light/dark on	
Signal output	1 PNP output, short-circuit protected, protected from reverse polarity, open collector	
Switching voltage	max. 30 V DC	
Switching current	max. 300 mA	
Voltage drop	U _d	≤ 3 V
Switching frequency	f	≤ 700 Hz
Response time	≤ 0.7 ms	

Standard conformity

Standards	EN 60947-5-2
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Ambient conditions

Ambient temperature	-25 ... 55 °C (-13 ... 131 °F)
Storage temperature	-40 ... 70 °C (-40 ... 158 °F)

Mechanical specifications

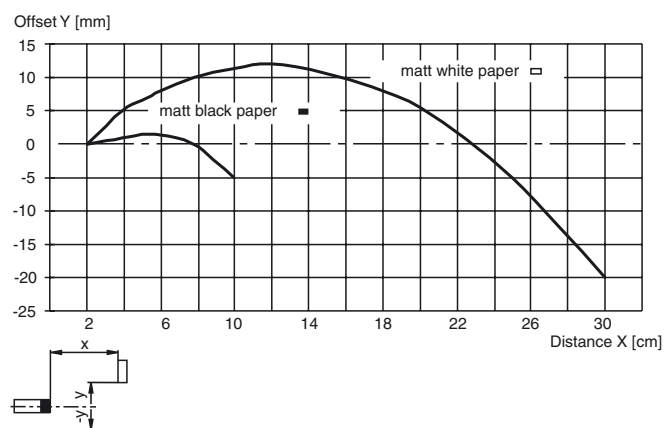
Protection degree	IP67
Connection	connector M12 x 1, 4-pin
Material	
Housing	brass, nickel-plated
Optical face	PMMA
Mass	15 g

Approvals and certificates

CCC approval	Products with a maximum operating voltage of ≤ 36 V do not bear a CCC marking because they do not require approval.
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Curves/Diagrams**Characteristic response curve**

GLV12-8-200/

**Accessories****V1-G-2M-PUR**

Cable socket, M12, 4-pin, PUR cable

V1-W-2M-PUR

Cable socket, M12, 4-pin, PUR cable

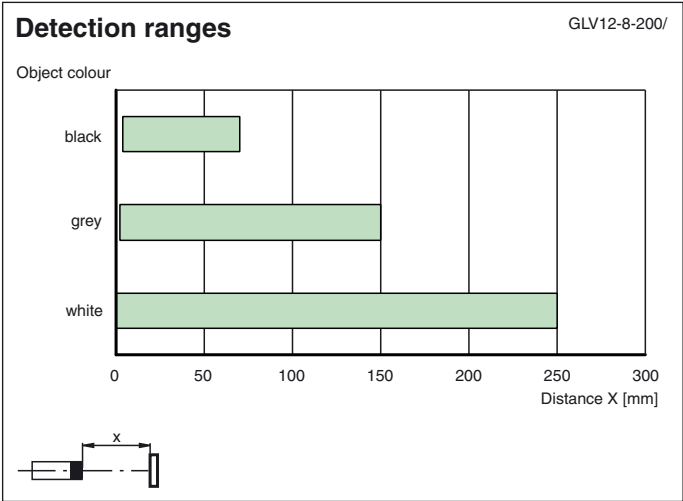
BF 12

Mounting flange, 12 mm

BF 5-30

Universal mounting bracket for cylindrical sensors with a diameter of 5 ... 30 mm

Other suitable accessories can be found at www.pepperl-fuchs.com



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