







Model Number

GLV18-8-450/25/102/159

Diffuse mode sensor with 3-pin, M12 x 1 plastic connector

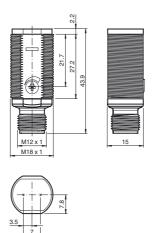
Features

- Efficient Line in a short M18 plastic housing for standard applications
- · Very high detection range
- 4 LEDs indicator for 360° visibility
- Optimized potentiometer design for a clear control button layout in the application
- · Version with front optical face
- DC voltage version

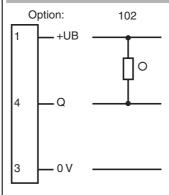
Product information

The GLV/GLK18 series sensors help improve the efficiency of machines and systems. The design of the M18 plastic housing, the connection technology, and sensor properties are highly standardized. Concentrating on the key sensor requirements has produced a robust and reliable product series for DC and AC/DC voltage systems without any overengineering. The mounting set included in the scope of delivery and the optimized potentiometer design ensure fast assembly and easy configuration.

Dimensions



Electrical connection

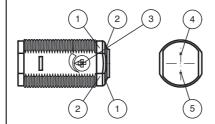


- O = Light on
- = Dark on

Pinout



Indicators/operating means



1	Operating display green		
2	Signal display	yellow	
3	Sensitivity adjustment		
4	Emitter		
5	Receiver		

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Technical data

	50 450 mm adjustable
	0 450 mm
	100 mm x 100 mm Kodak white
	LED
	modulated visible red light, 640 nm
	approx. 30 mm at 400 mm
	approx. 4 °
	frontal
	30000 Lux
Н	< 15 %
eters	
	920 a
	20 a
	0 %
	LED green, statically lit Power on
	LED yellow: lights when object is detected; flashes when falling
	short of the stability control
	sensitivity adjustment
U _R	10 30 V DC
Io	< 20 mA
Ü	
	light on
	1 NPN, short-circuit protected open collector
	max. 30 V DC
	max. 100 mA
Ud	≤ 1.5 V DC
f	500 Hz
	≤ 1 ms
	-25 60 °C (-13 140 °F)
	-40 70 °C (-40 158 °F)
	,
	IP67
	Connector M12 x 1, 3-pin
	odiniodion in 12 x 1, o pin
	PC
	PMMA
	plastic
	approx. 10 g
directi.	· · · · · · · · · · · · · · · · · · ·
unecu	
	EN 60947-5-2:2007 IEC 60947-5-2:2007
	II, rated insulation voltage ≤ 250 V AC with pollution degree 1-2 according to IEC 60664-1
	cULus Listed, Class 2 Power Source
	Products with a maximum operating voltage of ≤36 V do not
	U _B I ₀

Accessories

CPZ18B03

Mounting Bracket with swivel nut

BF 18

Mounting flange, 18 mm

BF 18-F

Mounting flange with dead stop, 18 mm

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

V11-G-2M-PUR

Cable socket, M12, 3-pin, PUR cable

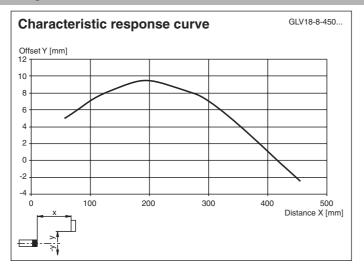
V11-W-2M-PUR

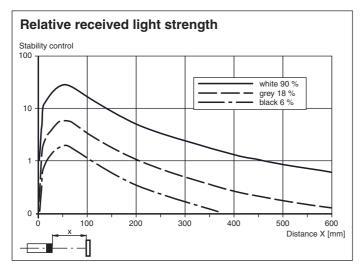
Cable socket, M12, 3-pin, PUR cable

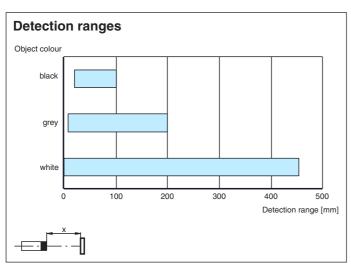
Other suitable accessories can be found at www.pepperl-fuchs.com

Pepperl+Fuchs Group www.pepperl-fuchs.com

Curves/Diagrams







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