









# **Model Number**

## GD18/GV18/25/102/159

Thru-beam sensor with 3-pin, M12 x 1 plastic connector

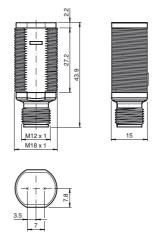
# **Features**

- Efficient Line in a short M18 plastic housing for standard applications
- · Very high detection range
- 4 LEDs indicator for 360° visibility
- · Version with front optical face
- DC voltage version

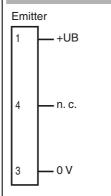
# **Product information**

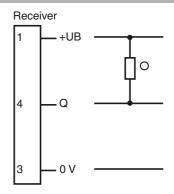
The GLV/GLK18 series sensors help improve the efficiency of machines and systems. The design of the M18 plastic housing, the connection technology, and sensor properties are highly standardized. Concentrating on the key sensor requirements has produced a robust and reliable product series for DC and 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

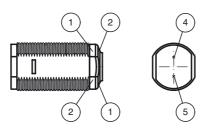
# **Pinout**

1

Wire colors in accordance with EN 60947-5-2

1 | BN (brown) 3 | BU (blue) 4 | BK (black)

# Indicators/operating means



1	Operating display	green
2	Signal display	yellow
4	Emitter	
5	Receiver	

## Conformity Product standard **Ambient conditions**

-25 ... 60 °C (-13 ... 140 °F) Ambient temperature Storage temperature -40 ... 70 °C (-40 ... 158 °F)

### **Mechanical specifications**

Degree of protection IP67 3-pin, M12 x 1 connector Connection

Material Housing Optical face **PMMA** 

Connector plastic approx. 10 g per device Mass

## Approvals and certificates

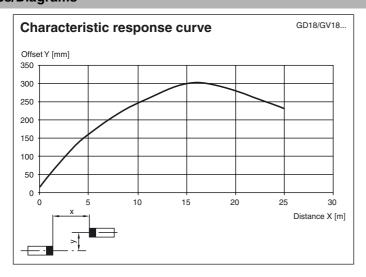
Protection class II, rated insulation voltage ≤ 250 V AC with pollution degree 1-

2 according to IEC 60664-1

**UL** approval cULus Listed, Class 2 Power Source, Type 1 enclosure CCC approval CCC approval / marking not required for products rated ≤36 V

EN 60947-5-2

# **Curves/Diagrams**



# Accessories

### CPZ18B03

Mounting Bracket with swivel nut

Mounting flange, 18 mm

### **BF 18-F**

Plastic mounting adapter, 18 mm

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

## V11-G-2M-PUR

Female cordset, M12, 3-pin, PUR cable

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