









Model Number

GLK18-55/59/115/161

Retroreflective sensor With 2 m fixed cable

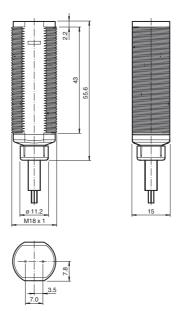
Features

- 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
- Universell usage at different power supplies

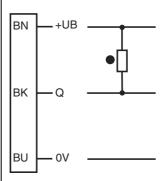
Product information

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

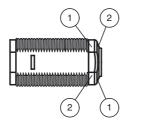


Electrical connection



- O = Light on
- = Dark on

Indicators/operating means





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

Technical data General specifications Effective detection range 0 ... 4 m Reflector distance 0.05 ... 4 m Threshold detection range 5.5 m reflector C110-2 Reference target LFD Light source Light type modulated visible red light, 640 nm Diameter of the light spot approx. 200 mm at 5.5 m approx. 2 Angle of divergence Optical face frontal 30000 Lux Ambient light limit Accessories provided Mounting aids Indicators/operating means Operating display LED green, statically lit Power on LED yellow: lights up when receiving the light beam; flashes Function display when falling short of the stability control; OFF when light beam is interrupted **Electrical specifications** 20 ... 250 V AC/DC Operating voltage U_{B} No-load supply current < 2.5 mA Output Switching type dark on Signal output N-channel MOSFET, short circuit protected Switching voltage max. 250 V AC/DC

max. 200 mA ≤ 3.5 V AC/DC

50 Hz

≤ 10 ms

Response time **Ambient conditions**

Switching current

Voltage drop Switching frequency

Ambient temperature -20 ... 60 °C (-4 ... 140 °F) Storage temperature -40 ... 70 °C (-40 ... 158 °F)

Mechanical specifications

IP67 Protection degree

Connection 2 m, 3 x 0.34 mm², PVC cable

Material

Housing PC-PBT Optical face **PMMA** Mass approx. 100 g

Compliance with standards and directives

Standard conformity

Product standard EN 60947-5-2:2007; IEC 60947-5-2:2007

Standards **UL 508**

Approvals and certificates

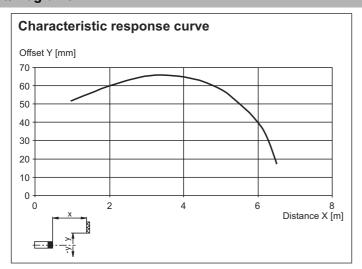
Protection class II, rated insulation voltage \leq 250 V AC with pollution degree

1-2 according to IEC 60664-1

UL approval cULus Listed, Type 1 enclosure

CCC approval Certified by China Compulsory Certification (CCC)

Curves/Diagrams



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

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

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