









Model Number

GLK18-55/59/161/166

Retroreflective sensor Plastic connector Micro AC 1/2", 4-pin

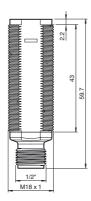
Features

- 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.

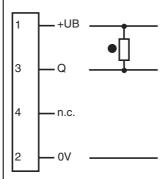
Dimensions







Electrical connection

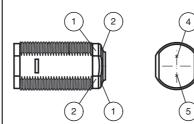


- O = Light on
- = Dark on

Pinout



Indicators/operating means

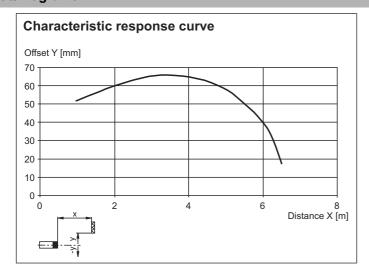


1	Operating display	green
2	Signal display	yellow
4	Emitter	
5	Receiver	

Technical data General specifications Effective detection range 0 ... 4 m 0.05 ... 4 m Reflector distance 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 Switching current max. 200 mA < 3.5 V AC/DC Voltage drop Switching frequency 50 Hz Response time ≤ 10 ms **Ambient conditions** Ambient temperature -20 ... 60 °C (-4 ... 140 °F) Storage temperature -40 ... 70 °C (-40 ... 158 °F) **Mechanical specifications** IP67 Protection degree Connection Micro AC connector, 1/2" V124; 4-pin Material Housing PC-PBT Optical face **PMMA** Mass approx. 10 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

Curves/Diagrams

CCC approval



cULus Listed, Type 1 enclosure

Certified by China Compulsory Certification (CCC)

Accessories

CPZ18B03

Mounting Bracket with swivel nut

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

V124-G-YE2M-PVC

Connecting cable, 1/2" - 20 UNF, 4-pin, PVC cable

V124-W-YE2M-PVC

Connecting cable, 1/2" - 20 UNF, 4-pin, PVC cable

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

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