



### Model Number

**GLV18-6-4594**

Retroreflective sensor  
with 7 m fixed cable

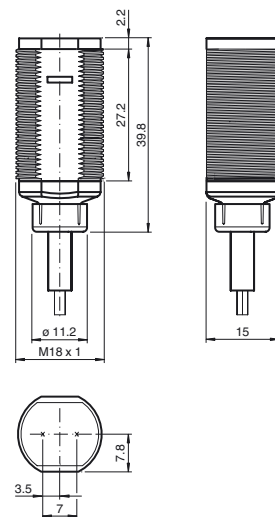
### Features

- Short design in M18 plastic housing
- 4 LEDs indicator for 360° visibility
- Optimal price/power ratio

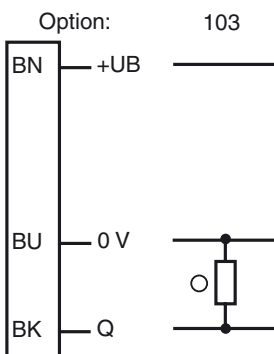
### Product information

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 over-engineering. The mounting set included in the scope of delivery and the optimized potentiometer design ensure fast assembly and easy configuration.

### Dimensions



### Electrical connection



- = Light on  
● = Dark on

## Technical data

### General specifications

Effective detection range	0 ... 4 m
Reflector distance	0.05 ... 4 m
Threshold detection range	5.5 m
Reference target	reflector C110-2
Light source	IRED
Light type	IRED , Modulated light , 880 nm
Polarization filter	no
Diameter of the light spot	approx. 200 mm at 5.5 m
Angle of divergence	approx. 2 °
Optical face	frontal
Ambient light limit	30000 Lux
Accessories provided	Mounting aids

### Indicators/operating means

Operation indicator	LED green, statically lit Power on
Function indicator	LED yellow: lights up when receiving the light beam ; flashes when falling short of the stability control; OFF when light beam is interrupted

### Electrical specifications

Operating voltage	$U_B$	10 ... 30 V DC
No-load supply current	$I_0$	< 20 mA

### Output

Switching type	light on	
Signal output	1 PNP, short-circuit protected, open collector	
Switching voltage	max. 30 V DC	
Switching current	max. 100 mA	
Voltage drop	U <sub>d</sub>	≤ 1.5 V DC
Switching frequency	f	500 Hz
Response time	≤ 1 ms	

### Conformity

Product standard	EN 60947-5-2
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### Ambient conditions

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

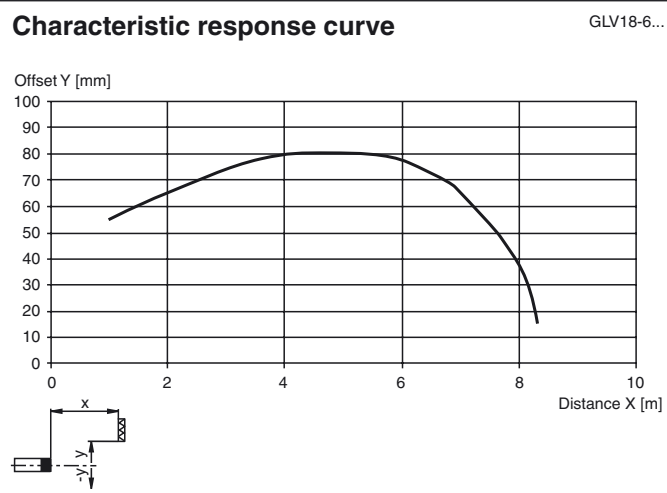
### Mechanical specifications

Degree of protection	IP67
Connection	fixed cable 7000 mm
Material	
Housing	PC
Optical face	PMMA
Mass	approx. 270 g

### 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
CCC approval	CCC approval / marking not required for products rated ≤ 36 V

## Curves/Diagrams



## Accessories

### CPZ18B03

Mounting Bracket with swivel nut

### BF 18

Mounting flange, 18 mm

### BF 18-F

Plastic mounting adapter, 18 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](http://www.pepperl-fuchs.com)

