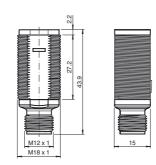


#### Dimensions





#### **Model Number**

### GLV18-6/25/103/159

Retroreflective sensor

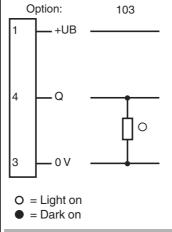
with 3-pin, M12 x 1 plastic connector

#### **Features**

- Efficient Line in a short M18 plastic ٠ housing for standard applications
- Very high detection range ٠
- 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 ٠

## **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.

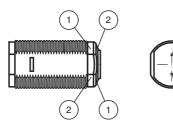


**Electrical connection** 





#### Indicators/operating means



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

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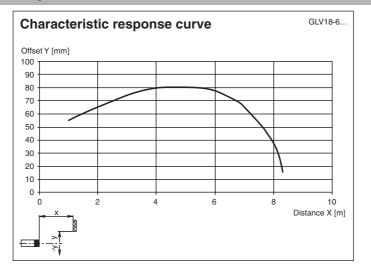
Technical data		Accessories	
General specifications		CPZ18B03	
Effective detection range		0 6.5 m	
Reflector distance		0.05 6.5 m	Mounting Bracket with swivel nut
Threshold detection range		8 m	BF 18
Reference target		reflector C110-2	Mounting flange, 18 mm
Light source		LED	Mounting hange, to min
Light type		modulated visible red light, 640 nm	BF 18-F
Diameter of the light spot		approx. 300 mm at 8 m	Mounting flange with dead stop, 18 mr
Angle of divergence		approx. 2 °	
Optical face		frontal	BF 5-30
Ambient light limit		30000 Lux	Universal mounting bracket for cylindric
Functional safety related para	ameters		sensors with a diameter of 5 30 mm
MTTFd		920 a	V11-G-2M-PUR Cable socket, M12, 3-pin, PUR cable
Mission Time (T <sub>M</sub> )		20 a	
Diagnostic Coverage (DC)		0 %	
Indicators/operating means			V11-W-2M-PUR
Operating display		LED green, statically lit Power on	Cable socket, M12, 3-pin, PUR cable
Function display		LED yellow: lights up when receiving the light beam ; flashes	
		when falling short of the stability control; OFF when light beam is interrupted	Other suitable accessories can be found www.pepperl-fuchs.com
Electrical specifications			
Operating voltage	UB	10 30 V DC	
No-load supply current	I <sub>0</sub>	< 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	Ud	≤ 1.5 V DC	
Switching frequency	f	500 Hz	
Response time		≤ 1 ms	
Ambient conditions			
Ambient temperature		-25 60 °C (-13 140 °F)	
Storage temperature		-40 70 °C (-40 158 °F)	
Mechanical specifications			
Protection degree		IP67	
Connection		Connector M12 x 1, 3-pin	
Material			
Housing		PC	
Optical face		PMMA	
Connector		plastic	
Mass		approx. 10 g	
Compliance with standards a ves	nd direct	ii-	
Standard conformity			
Product standard		EN 60947-5-2:2007 IEC 60947-5-2:2007	
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, Class 2 Power Source	
CCC approval		Products with a maximum operating voltage of $\leq$ 36 V do not bear a CCC marking because they do not require approval.	

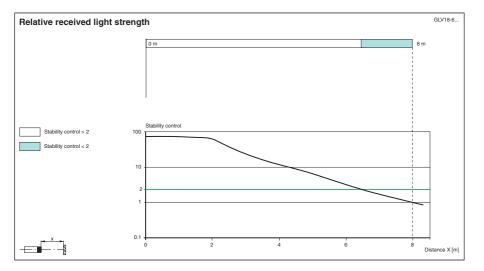
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# **Curves/Diagrams**





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