

Model Number

GLK18-8-200/25/161/166

Diffuse mode sensor

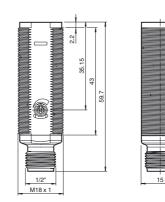
Plastic connector Micro AC 1/2", 4-pin

Features

- Efficient Line in a short M18 plastic housing for standard applications
- 4 LEDs indicator for 360° visibility
- Optimized potentiometer design for a clear control button layout in the application
- Universell usage at different power supplies

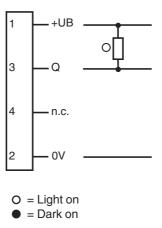
Product information

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





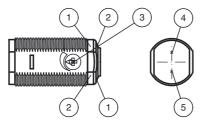
Electrical connection



Pinout



Indicators/operating means



1	Operating display gree		
2	Signal display	yellow	
3	Sensitivity adjustment	•	
4	Emitter		
5	Receiver		

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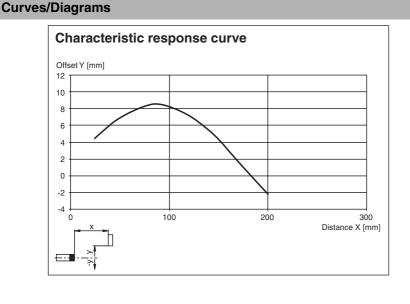
Pepperl+Fuchs Group USA: +1 330 486 0001 www.pepperl-fuchs.com fa-info@us.pepperl-fuchs.com

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Technical data			Accessories	
General specifications			CPZ18B03	
Detection range		20 200 mm adjustable	Mounting Bracket with swivel nut	
Detection range max.		0 200 mm		
Reference target		100 mm x 100 mm Kodak white	BF 18	
Light source		LED	Mounting flange, 18 mm	
Light type		modulated visible red light, 640 nm		
Approvals		CE	BF 18-F Mounting flange with dead stop, 18 mm BF 5-30	
Diameter of the light spot		approx. 15 mm at 200 mm		
Angle of divergence		approx. 4 °		
Optical face		frontal		
Ambient light limit		30000 Lux ; according to EN 60947-5-2:2007	Universal mounting bracket for cylindrical	
Hysteresis	Н	< 15 %	sensors with a diameter of 5 30 mm	
Accessories provided		Mounting aids	V124-G-YE2M-PVC	
Indicators/operating means				
Operating display		LED green, statically lit Power on	Connecting cable, 1/2" - 20 UNF, 4-pin, PVC cable	
Function display		LED yellow: lights when object is detected ; flashes when falling short of the stability control		
Controls		sensitivity adjustment	V124-W-YE2M-PVC	
Electrical specifications			Connecting cable, 1/2" - 20 UNF, 4-pin,	
Operating voltage	U _B	20 250 V AC/DC	PVC cable	
No-load supply current	I ₀	< 2.5 mA	Other suitable accessories can be found at	
Output	Ū			
Switching type		light on	www.pepperl-fuchs.com	
Signal output		N-channel MOSFET, short circuit protected		
Switching voltage		max. 250 V AC/DC		
Switching current		max. 200 mA		
Voltage drop	Ud	≤ 3.5 V AC/DC		
Switching frequency	f	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				
Protection degree		IP67		
Connection		Micro AC connector, 1/2" V124 ; 4-pin		
Material		· · · · · · · · · · · · · · · · · · ·		
Housing		PC-PBT		
Optical face		РММА		
Mass		approx. 10 g		
Compliance with standards a	and directi			
ves				
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		
000		Opertification (000)		

CCC approval



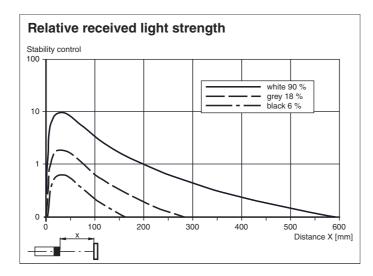
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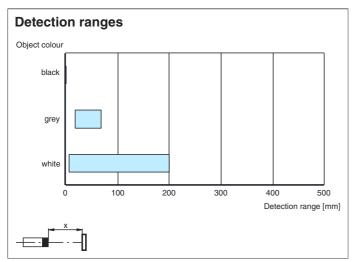
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