

Model Number

GLK18-8-450/25/161/166

Diffuse mode sensor

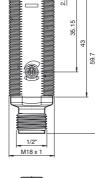
Plastic connector Micro AC 1/2", 4-pin

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
- Universell usage at different power ٠ 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.

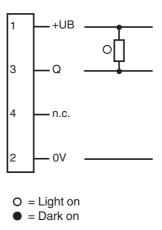






Electrical connection

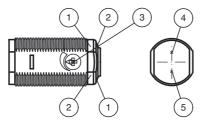
Dimensions



Pinout



Indicators/operating means



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

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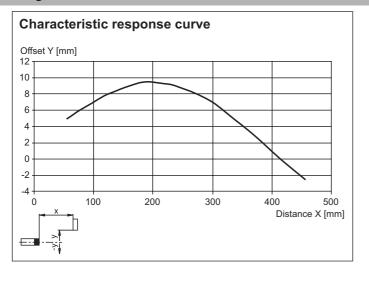
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Protection class UL approval

CCC approval

Technical data			•	
Technical data		Accessories		
General specifications			CPZ18B03	
Detection range		50 450 mm adjustable	Mounting Bracket with swivel nut	
Detection range max.		0 450 mm		
Reference target		100 mm x 100 mm Kodak white	BF 18 Mounting flange, 18 mm	
Light source		LED		
Light type		modulated visible red light , 640 nm		
Approvals		CE	BF 18-F	
Diameter of the light spot		approx. 15 mm at 400 mm	Mounting flange with dead stop, 18 mm	
Angle of divergence		approx. 2 °	BF 5-30	
Optical face		frontal	Universal mounting bracket for cylindrical	
Ambient light limit		30000 Lux ; according to EN 60947-5-2:2007		
Hysteresis	Н	< 15 %	sensors with a diameter of 5 30 mm	
Accessories provided		Mounting aids	V124-G-YE2M-PVC Connecting cable, 1/2" - 20 UNF, 4-pin, PVC cable	
Indicators/operating means				
Operating display		LED green, statically lit Power on		
Function display		LED yellow: lights when object is detected ; flashes when falling short of the stability control	V124-W-YE2M-PVC	
Controls		sensitivity adjustment	Connecting cable, 1/2" - 20 UNF, 4-pin, PVC cable	
Electrical specifications				
Operating voltage	UB	20 250 V AC/DC		
No-load supply current	I ₀	< 2.5 mA	Other suitable accessories can be found at	
Output			www.pepperl-fuchs.com	
Switching type		light on		
Signal output		N-channel MOSFET, short circuit protected		
Switching voltage		max. 250 V AC/DC		
Switching current		max. 200 mA		
Voltage drop	Ud	\leq 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 ves Standard conformity	and directi	ŀ		
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		
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Curves/Diagrams



cULus Listed, Type 1 enclosure

Certified by China Compulsory Certification (CCC)

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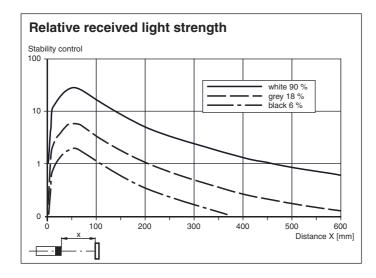
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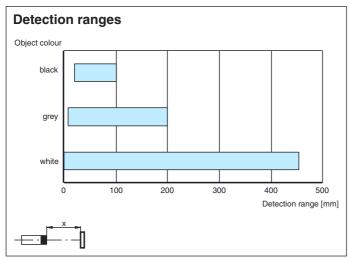
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