



Model Number

GLV18-8-200/25/102/115

Diffuse mode sensor with 2 m fixed cable

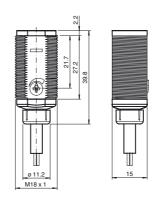
Features

- 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
- Version with front optical face
- DC voltage version

Product information

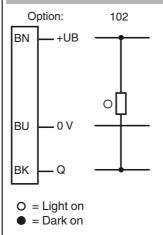
The GLV/GLK18 series sensors help improve the efficiency of machines and systems. The design of the M18 plastic housing, the connection technology, and sensor properties are highly standardized. Concentrating on the key sensor requirements has produced a robust and reliable product series for DC and 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

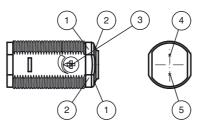




Electrical connection



Indicators/operating means



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

Subject to modifications without notice Pepperl+Fuchs Group US www.pepperl-fuchs.com fa-info

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

Germany: +49 621 776-4411 fa-info@pepperl-fuchs.com Copyright Pepperl+Fuchs Singapore: +65 6779 9091 fa-info@sg.pepperl-fuchs.com



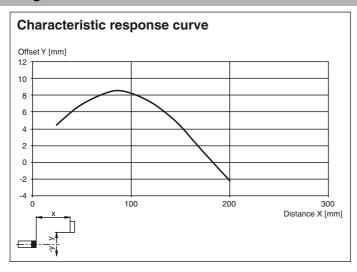
Technical data			Accessories	
General specifications			CPZ18B03	
Detection range		50 200 mm adjustable		
Detection range max.		0 200 mm	Mounting Bracket with swivel nut	
Reference target		100 mm x 100 mm Kodak white	BF 18	
Light source		LED	Mounting flange, 18 mm	
Light type		modulated visible red light, 640 nm	Mounting hange, to min	
Diameter of the light spot		approx. 15 mm at 200 mm	BF 18-F	
Angle of divergence		approx. 4 °	Mounting flange with dead stop, 18 mm	
Optical face		frontal		
Ambient light limit		30000 Lux	BF 5-30	
Hysteresis H		< 15 %	Universal mounting bracket for cylindrica	
Functional safety related pa	rameters		sensors with a diameter of 5 30 mm	
MTTF _d		920 a		
Mission Time (T _M)		20 a	Other suitable accessories can be found a	
Diagnostic Coverage (DC)		0%	www.pepperl-fuchs.com	
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		
Controls		sensitivity adjustment		
Electrical specifications				
Operating voltage	U _B	10 30 V DC		
No-load supply current	I0	< 20 mA		
Output	.0			
Switching type		light on		
Signal output		1 NPN, 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		2 m fixed cable		
Material				
Housing		PC		
Optical face		PMMA		
Cable		PVC		
Mass		approx. 75 g		
Compliance with standards ves	and direct			
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.		

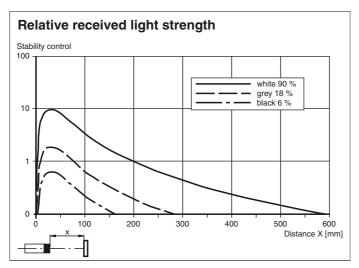
Copyright Pepperl+Fuchs Singapore: +65 6779 9091 fa-info@sg.pepperl-fuchs.com

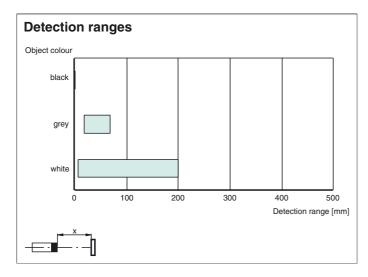


Pepperl+Fuchs Group www.pepperl-fuchs.com

Curves/Diagrams







Subject to modifications without notice Pepperl+Fuchs Group

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

Germany: +49 621 776-4411 fa-info@pepperl-fuchs.com

Copyright Pepperl+Fuchs Singapore: +65 6779 9091 fa-info@sg.pepperl-fuchs.com

