

CE

Model Number

GLV18-8-H-120/59/102/159

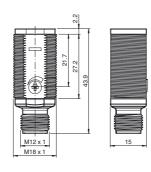
Background suppression sensor with 3-pin, M12 x 1 plastic connector

Features

- Efficient Line in a short M18 plastic • housing for standard applications
- Best background suppressor in its ٠ class
- Minimal black-white difference .
- 4 LEDs indicator for 360° visibility •
- Optimized potentiometer design for a clear control button layout in the application

Product information

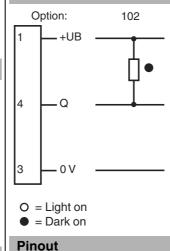
The GLV/GLK18 series sensors help improve the efficiency of machines and systems. The design of the M18 plastic housing, the connection technology, and sensor properties are highly standardized. Concentrating on the key sensor requirements has produced a robust and reliable product series for DC and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





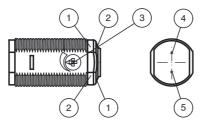
Electrical connection

Dimensions





Indicators/operating means



1	Operating display gree		
2	Signal display	yellow	
3	Detection range adjuster		
4	Emitter		
5	Receiver		

Refer to "General Notes Relating to Pepperl+Fuchs Product Information" Pepperl+Fuchs Group www.pepperl-fuchs.com

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Technical data	Accessories		
General specifications			CPZ18B03
Detection range		10 120 mm	Mounting Brac
Detection range min.		10 40 mm	Mounting Drac
Detection range max.		15 120 mm	BF 18
Adjustment range		40 120 mm	Mounting flang
Reference target		100 mm x 100 mm Kodak white	
Light source		LED	BF 18-F
Light type		modulated visible red light , 640 nm	Mounting flang
Black/White difference (6 %/	90 %)	< 6 %	
Diameter of the light spot		approx. 6 mm at detection range 120 mm	BF 5-30
Angle of divergence		approx. 2 °	Universal mou
Optical face		frontal	sensors with a
Ambient light limit		30000 Lux	V11-G-2M-PU
Hysteresis	Н	<2 %	
Functional safety related pa	arameters		Female cordse
MTTF _d		1340 a	V11-W-2M-PU
Mission Time (T _M)		20 a	Female cordse
Diagnostic Coverage (DC)		0 %	i cinale corace
Indicators/operating means	;		Other suitable a
Operation indicator		LED green, statically lit Power on	www.pepperl-fuc
Function indicator		LED yellow: lights when object is detected	
Control elements		Detection range adjuster	
Electrical specifications			
Operating voltage U _B		10 30 V DC	
No-load supply current I ₀		< 15 mA	
Output			
Switching type		dark on	
Signal output		1 NPN, short-circuit protected open collector	
Switching voltage		max. 30 V DC	
Switching current		max. 100 mA	
Voltage drop	U _d	≤ 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		-30 70 °C (-22 158 °F)	
Mechanical specifications			
Degree of protection		IP67	
Connection		3-pin, M12 x 1 connector	
Material			
Housing		PC	
Optical face		PMMA	
Connector		plastic	
Mass		approx. 10 g	
		-	

Mass Compliance with standards and directives Standard conformity EN 60947-5-2:2007

Product standard

Approvals and certificates

Protection class

UL approval

CCC approval

2 according to IEC 60664-1 cULus Listed, Class 2 Power Source

IEC 60947-5-2:2007

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

II, rated insulation voltage ≤ 250 V AC with pollution degree 1-

cket with swivel nut

ige, 18 mm

ge with dead stop, 18 mm

unting bracket for cylindrical a diameter of 5 ... 30 mm

UR et, M12, 3-pin, PUR cable

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accessories can be found at uchs.com

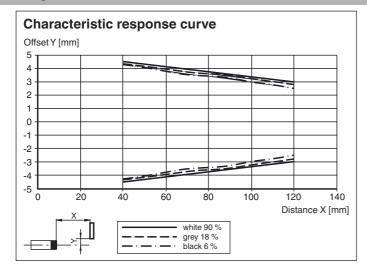
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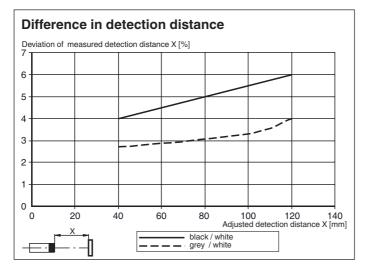
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Curves/Diagrams





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