

CE

Model Number

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

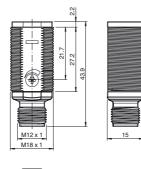
Background suppression sensor with 3-pin, M12 x 1 plastic connector

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

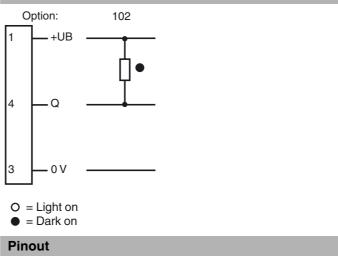
The GLV/GLK18 series sensors help improve the efficiency of machines and systems. The design of the M18 plastic housing, the connection technology, and sensor properties are highly standardized. Concentrating on the key sensor requirements has produced a robust and reliable product series for DC and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





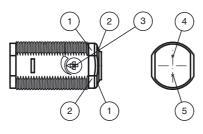
Electrical connection

Dimensions



Wire colors in accordance with EN 60947-5-2 BN BU BK (brown) (blue) 3 (black)

Indicators/operating means



1	Operating display green			
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				
Detection range		10 120 mm	CPZ18B03	
Detection range min.		10 40 mm	Mounting Bracket with swivel nut	
Detection range max.		15 120 mm	BF 18	
Adjustment range		40 120 mm	Mounting flange, 18 mm	
Reference target		100 mm x 100 mm Kodak white	Mounting hange, to min	
Light source		LED	BF 18-F	
Light type		modulated visible red light , 640 nm	Plastic mounting adapter, 18 mm	
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 mounting bracket for cylind sensors with a diameter of 5 30 mr	
Optical face		frontal		
Ambient light limit		30000 Lux		
Hysteresis	Н	<2 %	V11-G-2M-PUR	
Functional safety related para	meters		Female cordset, M12, 3-pin, PUR cab	
MTTF _d		1340 a	Other suitable accessories can be found	
Mission Time (T _M)		20 a	www.pepperl-fuchs.com	
Diagnostic Coverage (DC)		0%		
Indicators/operating means				
Operation indicator		LED green, statically lit Power on		
Function indicator		LED yellow: lights when object is detected		
Control elements		Sensing range adjuster		
Electrical specifications				
Operating voltage	UB	10 30 V DC		
No-load supply current	1 ₀	< 15 mA		
Output	•0			
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		
Conformity				
Product standard		EN 60947-5-2		
Ambient conditions Ambient temperature		-25 60 °C (-13 140 °F)		
Storage temperature		-30 70 °C (-22 158 °F)		
•		-30 70 C (-22 136 F)		
Mechanical specifications		IP67		
Degree of protection				
Connection		3-pin, M12 x 1 connector		
Material		PC		
Housing		PC PMMA		
Optical face Connector				
Mass		plastic approx. 10 g		
IVIASS		appion. TO g		
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				

UL approval CCC approval

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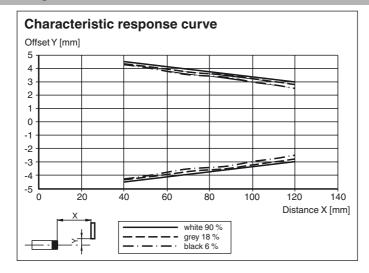
CCC approval / marking not required for products rated ≤36 V

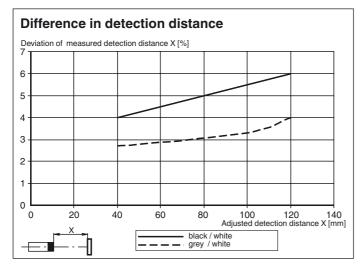
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Curves/Diagrams





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