

Model Number

GLV18-8-H-120/25/102/159

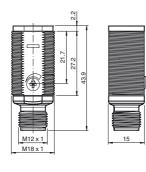
Background suppression sensor with 3-pin, M12 x 1 plastic connector

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

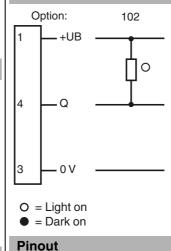
The GLV/GLK18 series sensors help improve the efficiency of machines and systems. The design of the M18 plastic housing, the connection technology, and sensor properties are highly standardized. Concentrating on the key sensor requirements has produced a robust and reliable product series for DC and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





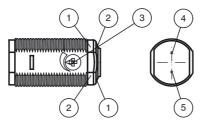
Electrical connection

Dimensions





Indicators/operating means



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

Refer to "General Notes Relating to Pepperl+Fuchs Product Information" USA: +1 330 486 0001 fa-info@us.pepperl-fuchs.com

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



UL approval

CCC approval

Technical data		Accessories
		Accessories
General specifications		CPZ18B03
Detection range	10 120 mm	Mounting Bracket with swivel nut
Detection range min.	10 40 mm	
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	DE 10 E
Light source	LED	BF 18-F
Light type	modulated visible red light , 640 nm	Mounting flange with dead stop, 18 mm
Black/White difference (6 %/90 %)	< 6 %	BF 5-30
Diameter of the light spot	approx. 6 mm at detection range 120 mm	Universal mounting bracket for cylindrical
Angle of divergence	approx. 2 °	с, ,
Optical face	frontal	sensors with a diameter of 5 30 mm
Ambient light limit	30000 Lux	V11-G-2M-PUR
Hysteresis H	1 <2 %	Female cordset, M12, 3-pin, PUR cable
Functional safety related paramete	rs	Terriale cordset, MT2, 5-pin, TOTT cable
MTTF _d	1340 a	V11-W-2M-PUR
Mission Time (T _M)	20 a	Female cordset, M12, 3-pin, PUR cable
Diagnostic Coverage (DC)	0 %	
Indicators/operating means		Other suitable accessories can be found at
Operation indicator	LED green, statically lit Power on	www.pepperl-fuchs.com
Function indicator	LED yellow: lights when object is detected	
Control elements	Detection range adjuster	
Electrical specifications	,	
-	J _B 10 30 V DC	
No-load supply current	5	
Output	, <u>.</u>	
Switching type	light on	
Signal output	1 NPN, short-circuit protected open collector	
Switching voltage	max. 30 V DC	
Switching current	max. 100 mA	
	$J_{d} \leq 1.5 \text{ V DC}$	
Switching frequency f	-	
Response time	≤1 ms	
•	S 1115	
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	
Compliance with standards and div	recti-	
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 degraded according to JEC 60664.1	gree 1-

2 according to IEC 60664-1

cULus Listed, Class 2 Power Source

CCC approval / marking not required for products rated \leq 36 V

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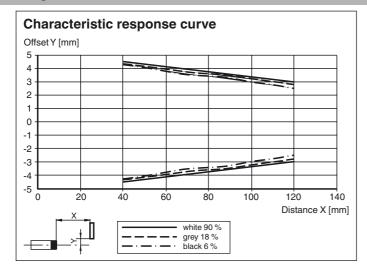


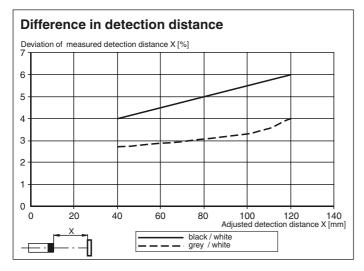
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Refer to Pepper

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Curves/Diagrams





Release date: 2014-12-17 08:00 Date of issue: 2014-12-17 212924_eng.xml

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