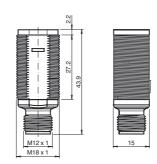


Dimensions





Model Number

GD18/GV18/73/120

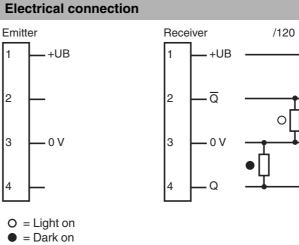
Thru-beam sensor with 4-pin, M12 x 1 plastic connector

Features

- Efficient Line in a short M18 plastic ٠ housing for standard applications
- Very high detection range ٠
- 4 LEDs indicator for 360° visibility •
- Version with front optical face
- DC voltage version ٠

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.



Pinout

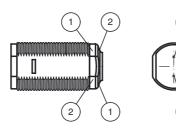
2

3

4



Indicators/operating means



1	Operating display	green
2	Signal display	yellow
4	Emitter	
5	Receiver	

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1

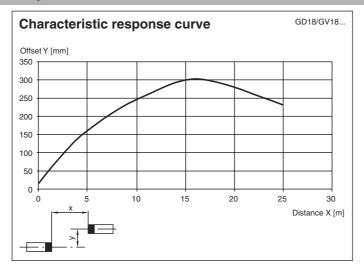
Technical data

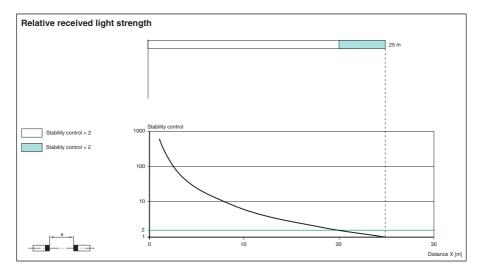
Accessories		Technical data	
CPZ18B03		System components	
Mounting Bracket with swivel nut	GD18/159	Emitter	
	GV18/73/120	Receiver	
BF 18		General specifications	
Mounting flange, 18 mm	e detection range 0 20 m Mounting flange, 18 mm		
BF 18-F	25 m	Threshold detection range Light source	
Maximuting files are with all all store 40 meres			
		Light type	
BF 5-30	approx. 1300 approx. 3	Diameter of the light spot Angle of divergence	
Universal mounting bracket for cylindrica	frontal	Optical face	
sensors with a diameter of 5 30 mm	30000 Lux	Ambient light limit	
		Functional safety related para	
V1-G-2M-PUR	630 a	MTTF _d	
Cable socket, M12, 4-pin, PUR cable	20 a	Mission Time (T _M)	
V1-W-2M-PUR	0 %	Diagnostic Coverage (DC)	
	0 /0	Indicators/operating means	
Cable socket, M12, 4-pin, PUR cable	LED green, s	Operating display	
, lights up when light beam is free, flashes the stability control ; OFF when light beam www.pepperl-fuchs.com	Receiver: LE	Function display	
		Electrical specifications	
	U _B 10 30 V D	Operating voltage	
	l ₀ < 20 mA	No-load supply current	
		Output	
	light/dark on	Switching type	
ry, short-circuit protected, open collectors	2 PNP, comp	Signal output	
	max. 30 V D	Switching voltage	
	max. 100 mA	Switching current	
	$U_d \leq 1.5 V DC$	Voltage drop	
	f 500 Hz	Switching frequency	
	≤ 1 ms	Response time	
		Ambient conditions	
	-25 60 °C	Ambient temperature	
58 °F)	-40 70 °C	Storage temperature	
		Mechanical specifications	
	IP67	Protection degree	
pin	connector M	Connection Material	
	PC	Housing	
	PMMA	Optical face	
	plastic	Connector	
ce	approx. 10 g	Mass	
	and directi-	Compliance with standards ar ves	
		Standard conformity	
	EN 60947-5- IEC 60947-5	Product standard	
		Approvals and certificates	
oltage ≤ 250 V AC with pollution degree 60664-1	II, rated ins 1-2 accordir	Protection class	
		UL approval	
oltage ≤ 250 V AC with pollution degree 60664-1 2 Power Source, Type 1 enclosure imum operating voltage of ≤36 V do not g because they do not require approval.	1-2 accordir cULus Liste Products wi	Approvals and certificates Protection class UL approval CCC approval	



GD18/GV18/73/120

Curves/Diagrams





Release date: 2013-01-14 15:23 Date of issue: 2013-02-04 188547_eng.xml

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