



Model Number

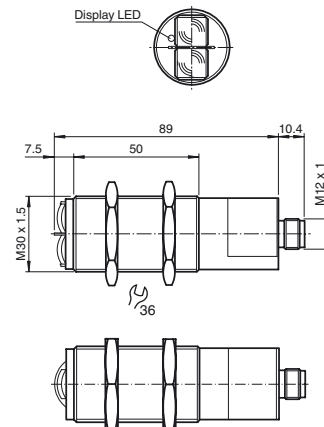
GLV30-8-H-4575

Background suppression sensor
4-pin, M12 x 1 connector

Features

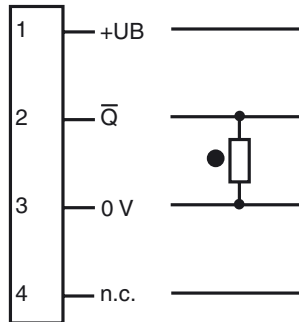
- M30 plastic housing
- Dark-On switching

Dimensions



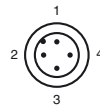
Electrical connection

Option:



○ = Light on
● = Dark on

Pinout



Wire colors in accordance with EN 60947-5-2

1	BN	(brown)
2	WH	(white)
3	BU	(blue)
4	BK	(black)

Technical data

General specifications

Detection range	50 ... 750 mm
Background suppression	starts from 1000 mm on Kodak white
Light source	IREL
Light type	modulated infrared light
Black/White difference (6 %/90 %)	< 20 %
Diameter of the light spot	30 mm at a distance of 1000 mm
Angle of divergence	$\pm 1^\circ$
Ambient light limit	30000 Lux

Indicators/operating means

Function indicator	LED yellow, lights up if receiver is not lit
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Electrical specifications

Operating voltage	U_B	24 V DC $\pm$ 25 %
Ripple		10 %
No-load supply current	I_0	35 mA

Output

Switching type	dark on
Signal output	1 PNP, short-circuit protected, reverse polarity protected, open collector
Switching voltage	max. 30 V DC
Switching current	max. 200 mA
Switching frequency	f 25 Hz
Response time	30 ms

Conformity

Product standard	EN 60947-5-2
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Ambient conditions

Ambient temperature	-20 ... 60 °C (-4 ... 140 °F)
Storage temperature	-20 ... 75 °C (-4 ... 167 °F)

Mechanical specifications

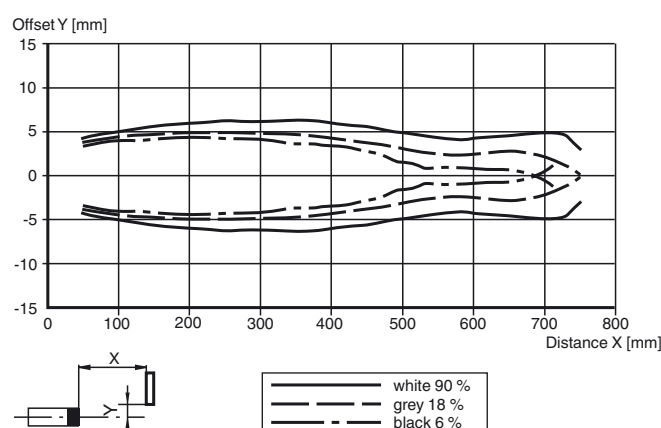
Degree of protection	IP67
Connection	Plastic connector M12 x 1, 4-pin
Material	
Housing	ABS
Optical face	plastic lenses
Mass	approx. 70 g

Approvals and certificates

UL approval	cULus Listed, Class 2 Power Source, Type 1 enclosure
CCC approval	CCC approval / marking not required for products rated ≤ 36 V
Approvals	CE

Curves/Diagrams

Characteristic response curve



Accessories

V1-G-2M-PUR

Female cordset, M12, 4-pin, PUR cable

V1-W-2M-PUR

Female cordset, M12, 4-pin, PUR cable

BF 30

Mounting flange, 30 mm

BF 30-F

Plastic mounting adapter, 30 mm

Other suitable accessories can be found at www.pepperl-fuchs.com

