

Background suppression sensor GLV30-8-H-4575

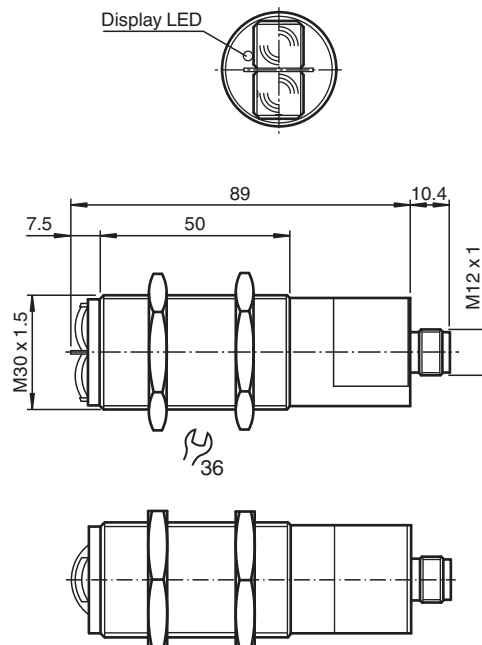


- M30 plastic housing
- Dark-On switching

Background suppression sensor



Dimensions



Technical Data

General specifications

Detection range	50 ... 750 mm
Background suppression	starts from 1000 mm on Kodak white

Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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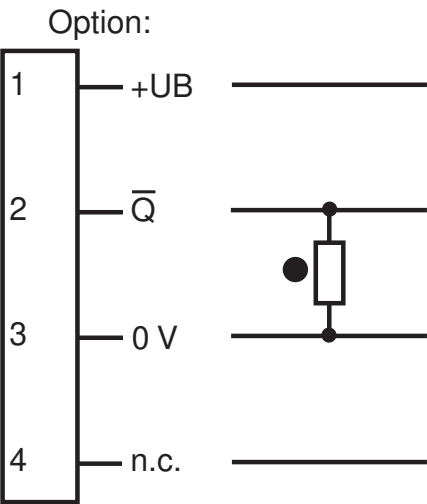
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PEPPERL+FUCHS

Technical Data

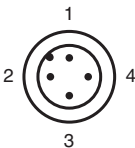
Light source	IRED	
Light type		modulated infrared light
Black-white difference (6 %/90 %)		< 20 %
Diameter of the light spot		30 mm at a distance of 1000 mm
Opening angle		$\pm 1^\circ$
Ambient light limit		30000 Lux
Indicators/operating means		
Function indicator		LED yellow, lights up if receiver is not lit
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
Approvals and certificates		
EAC conformity		TR CU 020/2011
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
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

Connection Assignment



○ = Light on
● = Dark on

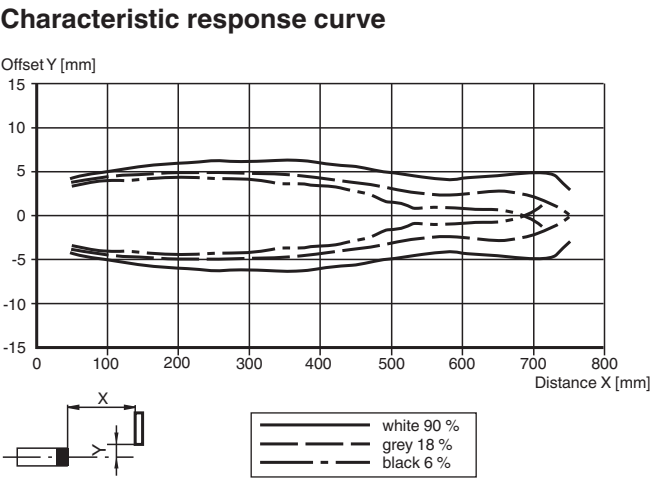
Connection Assignment



Wire colors in accordance with EN 60947-5-2

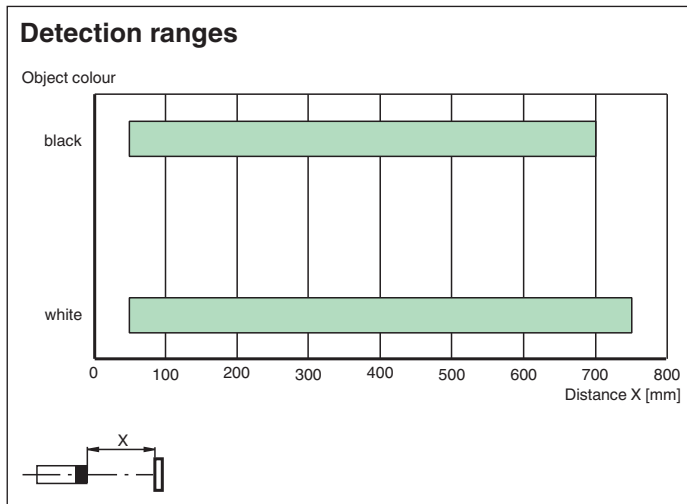
1	BN	(brown)
2	WH	(white)
3	BU	(blue)
4	BK	(black)

Characteristic Curve



Release date: 2022-08-03 Date of issue: 2022-08-03 Filename: 249879_eng.pdf

Characteristic Curve



Accessories

	V1-G-2M-PUR	Female cordset single-ended M12 straight A-coded, 4-pin, PUR cable grey
	V1-W-2M-PUR	Female cordset single-ended M12 angled A-coded, 4-pin, PUR cable grey
	BF 30	Mounting flange, 30 mm
	BF 30-F	Plastic mounting adapter, 30 mm