

Background suppression sensor GLV30-8-H-4575

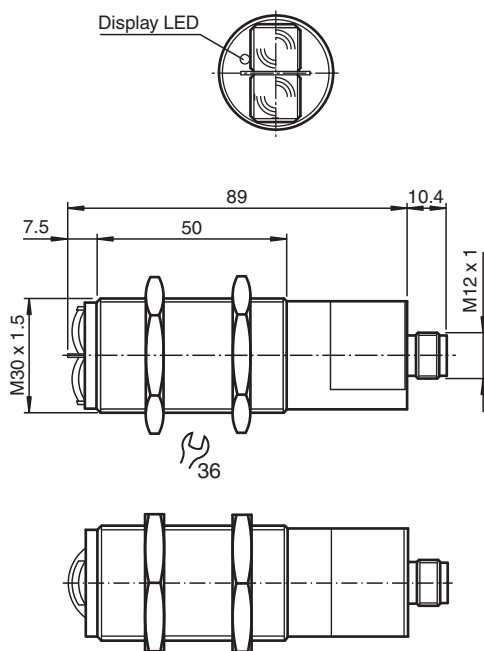


- M30 plastic housing
- Dark-On switching

Background suppression sensor



Dimensions



Technical Data

General specifications

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

Release date: 2024-07-23 Date of issue: 2024-07-23 Filename: 249879_eng.pdf

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

Pepperl+Fuchs Group
www.pepperl-fuchs.com

USA: +1 330 486 0001
fa-info@us.pepperl-fuchs.com

Germany: +49 621 776 1111
fa-info@de.pepperl-fuchs.com

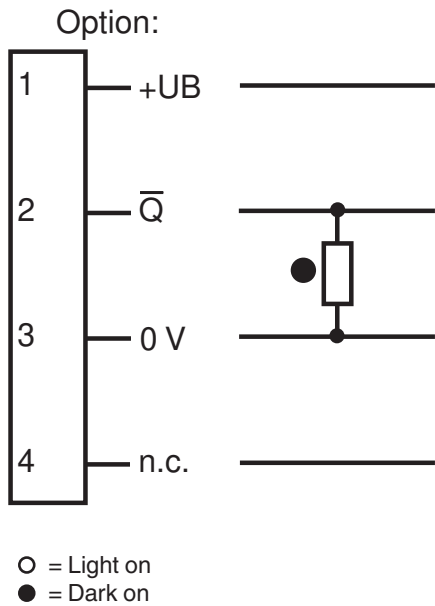
Singapore: +65 6779 9091
fa-info@sg.pepperl-fuchs.com

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Technical Data

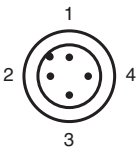
Operating voltage	U _B	24 V DC ± 25 %
Ripple		10 %
No-load supply current	I ₀	35 mA
Output		
Switching type		dark-on
Signal output		1 PNP, short-circuit protected, reverse polarity protected, open collector
Switching voltage		max. 30 V DC
Switching current		max. 200 mA
Switching frequency	f	25 Hz
Response time		30 ms
Conformity		
Product standard		EN 60947-5-2
Approvals and certificates		
UL approval		cULus Listed, Class 2 Power Source, Type 1 enclosure
CCC approval		CCC approval / marking not required for products rated ≤36 V
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
Dimensions		
Length		89 mm
Diameter		30 mm

Connection Assignment



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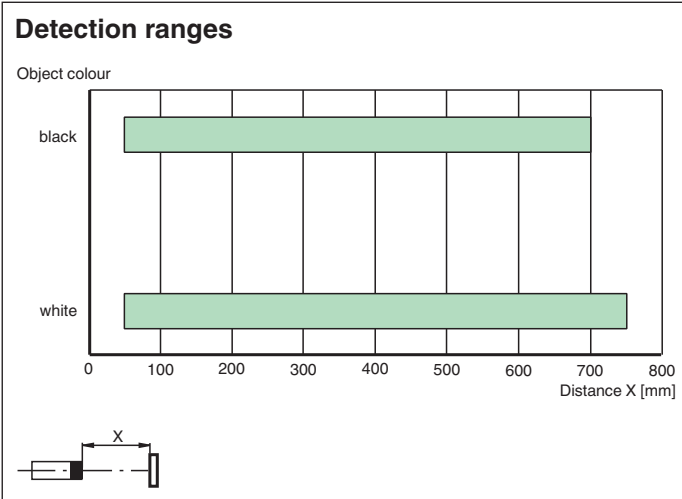
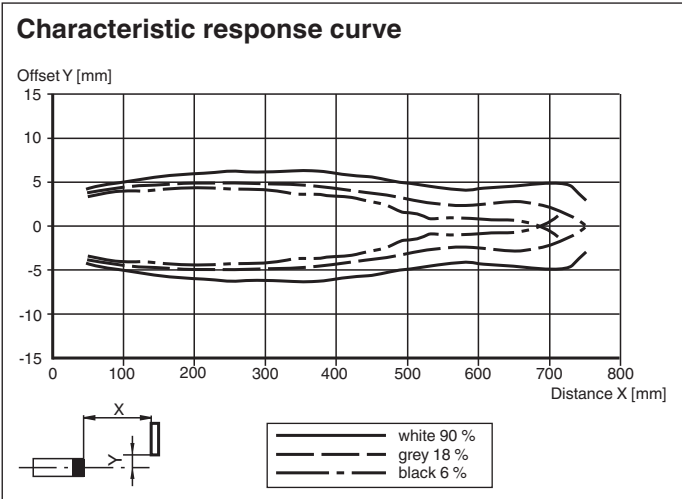
Connection Assignment



Wire colors in accordance with EN 60947-5-2

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

Characteristic Curve



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