

Diffuse mode sensor GLV30-8-2500/47/73c

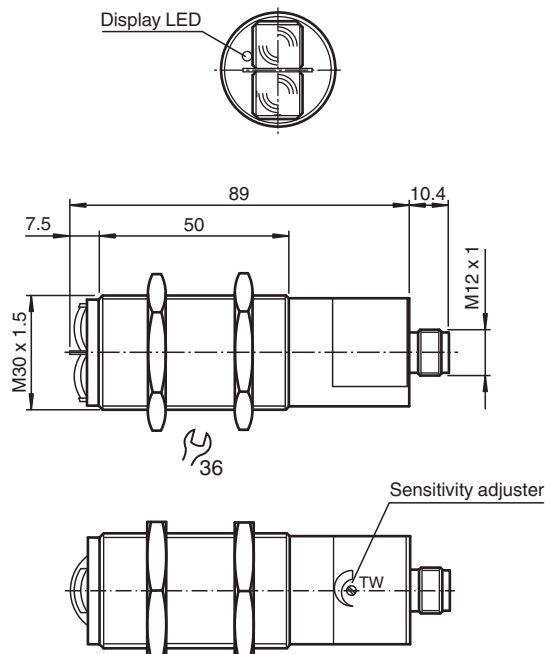


- M30 plastic housing
- Light-on/dark-on switching

Diffuse mode sensor



Dimensions



Release date: 2022-08-03 Date of issue: 2022-08-03 Filename: 419128_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

PEPPERL+FUCHS

Technical Data

General specifications

Detection range	100 ... 2500 mm
Adjustment range	750 ... 2500 mm
Light source	IREC
Light type	modulated infrared light
Diameter of the light spot	approx. 450 mm at a distance of 2000 mm
Opening angle	$\pm 7^\circ$
Ambient light limit	30000 Lux

Indicators/operating means

Function indicator	LED yellow, lights up if receiver is not lit
Control elements	Sensing range adjuster

Electrical specifications

Operating voltage	U_B	24 V DC $\pm 20\%$
Ripple		10 %
No-load supply current	I_0	30 mA

Output

Switching type		light/dark on
Signal output		2 PNP, complementary, short-circuit protected, reverse polarity protected
Switching voltage		max. 30 V DC
Switching current		max. 200 mA
Switching frequency	f	35 Hz
Response time		10 ms

Conformity

Product standard	EN 60947-5-2
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Approvals and certificates

EAC conformity	TR CU 020/2011
CCC approval	CCC approval / marking not required for products rated ≤ 36 V
Approvals	CE

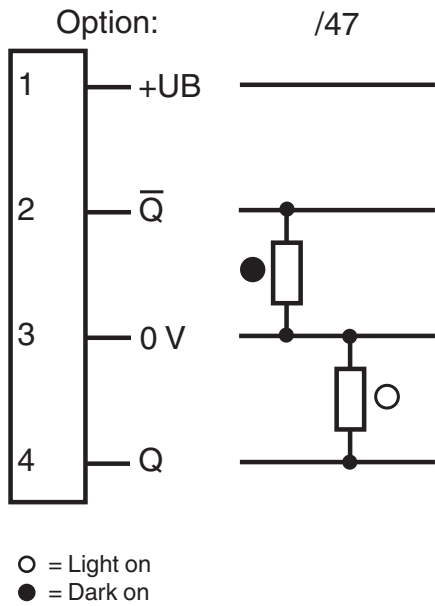
Ambient conditions

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

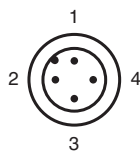
Mechanical specifications

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



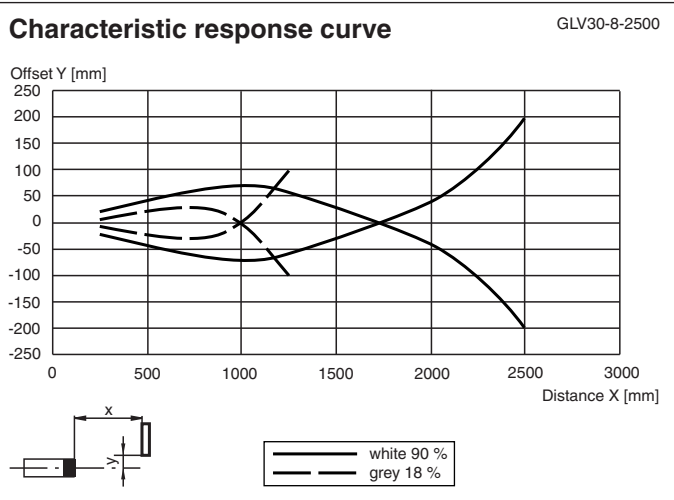
Connection Assignment



Wire colors in accordance with EN 60947-5-2

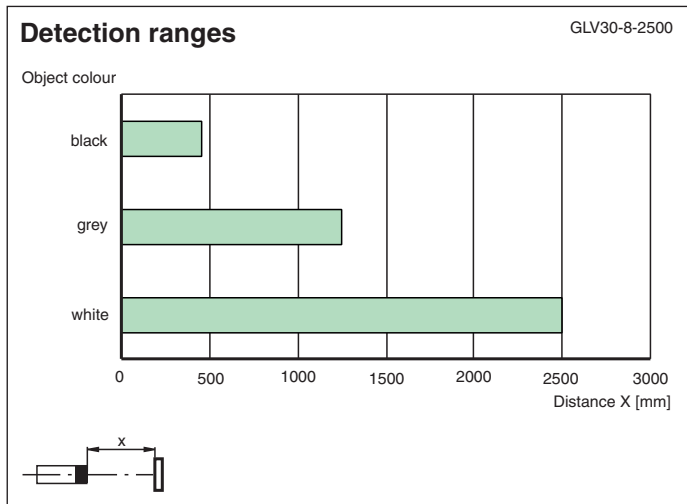
1	BN	(brown)
2	WH	(white)
3	BU	(blue)
4	BK	(black)

Characteristic Curve



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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

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