

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

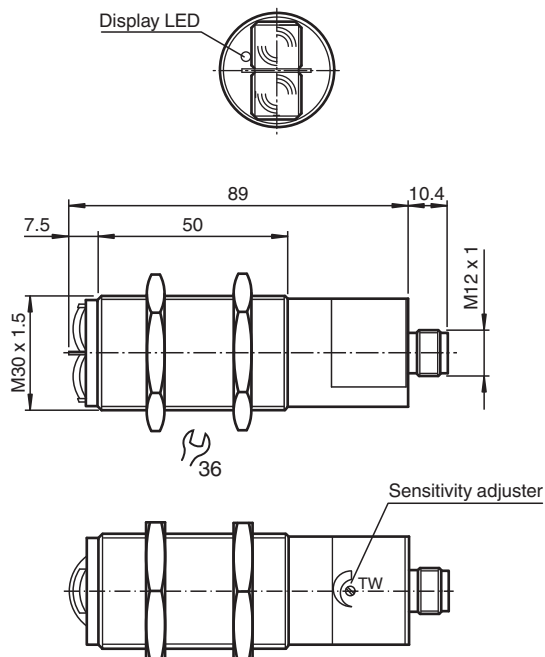


- M30 plastic housing
- Light-on/dark-on switching

Diffuse mode sensor



Dimensions



Technical Data

General specifications

Detection range	100 ... 2500 mm
Adjustment range	750 ... 2500 mm
Light source	IREL
Light type	modulated infrared light
Diameter of the light spot	approx. 450 mm at a distance of 2000 mm

Release date: 2024-07-23 Date of issue: 2024-07-23 Filename: 419128_eng.pdf

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

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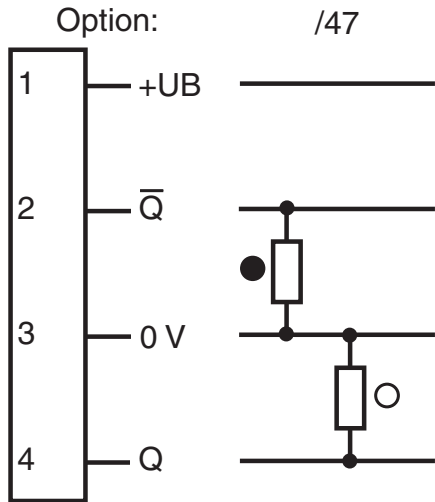
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Technical Data

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
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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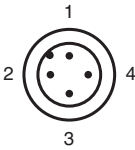
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- = Light on
- = Dark on

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

