

Diffuse mode sensor GLV30-8-2000-2372

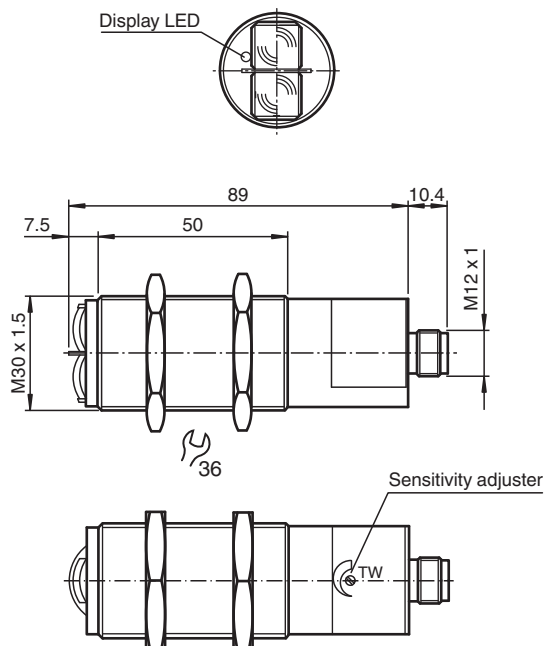


- M30 plastic housing
- Dark-On switching

Diffuse mode sensor



Dimensions



Unit connector



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		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	35 Hz
Response time		10 ms

Conformity

Product standard	EN 60947-5-2
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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

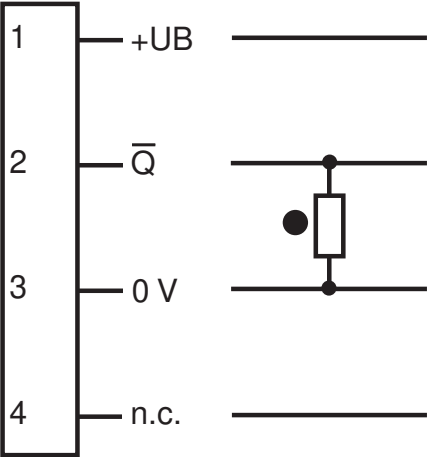
Ambient temperature	-20 ... 60 °C (-4 ... 140 °F)
Storage temperature	-20 ... 75 °C (-4 ... 167 °F)

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

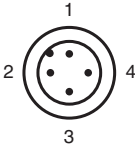
Connection Assignment

Option:



○ = Light on
● = Dark on

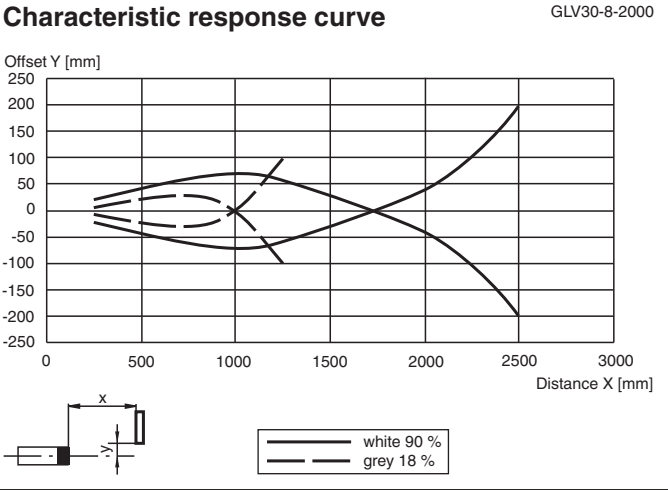
Connection Assignment



Wire colors in accordance with EN 60947-5-2

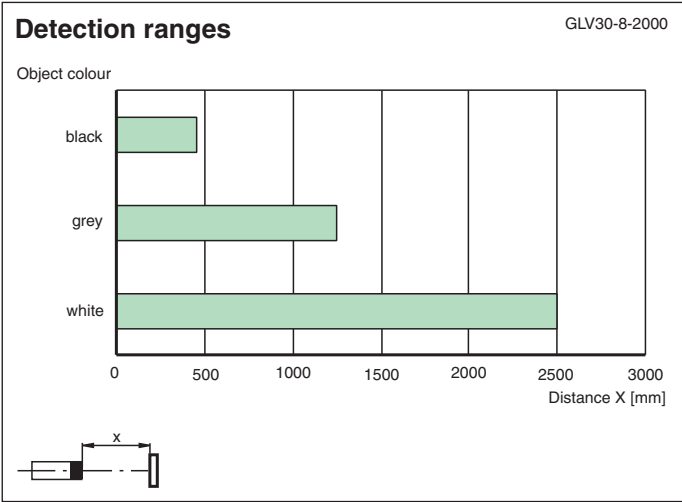
1	BN	(brown)
2	WH	(white)
3	BU	(blue)
4	BK	(black)

Characteristic Curve



Release date: 2024-07-23 Date of issue: 2024-07-23 Filename: 419126_eng.pdf

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