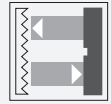


Retroreflective sensor

OBS 10M-30GM90-U



- Rugged housings withstand harsh environments
- Cable connection
- Polarization filter allows detection of shiny objects
- Tempered glass lens cover and Viton seals resist harsh environments
- Sensing range 10 m

30 mm Diameter Series



Technical Data

General specifications

Detection range	10 meters
Light source	Visible red LED 680 nm
Polarization filter	yes
Ambient light limit	≤ 100000 Lux
Hysteresis	H ≤ 15%

Indicators/operating means

Function indicator	dark on
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Electrical specifications

Operating voltage	U_B	20 ... 132 V AC, 50/60 Hz, 15 ... 30 V DC
No-load supply current	I_0	≤ 100 mA
Operating current	I_B	300 mA max
Protection class		IP68

Output

Switching type		light/dark on
Signal output		Bi-directional thyristor (AC) or NPN (DC)
Voltage drop	U_d	≤ 4 V (DC operation)
Switching frequency	f	50 Hz
Response time		≤ 10 ms (AC), ≤ 2 ms (DC)

Standard conformity

Standards	EN 60947-5-2
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Approvals and certificates

Approvals	CE
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Ambient conditions

Ambient temperature	-40 ... 55 °C (-40 ... 131 °F)
Storage temperature	-40 ... 55 °C (-40 ... 131 °F)

Mechanical specifications

Degree of protection	IP68
Connection	2 meter CPE cable
Material	
Housing	Stainless steel 1.4305 / AISI 303
Optical face	Tempered glass
Mass	227 g

Release date: 2020-09-15 Date of issue: 2020-09-15 Filename: 903397_eng.pdf

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

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