

Background suppression sensor

OBH 150-30GM90-U



- Rugged housings withstand harsh environments
- Cable connection
- High excess gain
- Metal housing
- Sensing range 150 mm

30 mm Diameter Series



Technical Data

General specifications

Detection range		150 mm
Light source		Visible red LED 680 nm
Ambient light limit		≤ 100000 Lux
Hysteresis	H	≤ 15%

Indicators/operating means

Function indicator		light-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

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

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