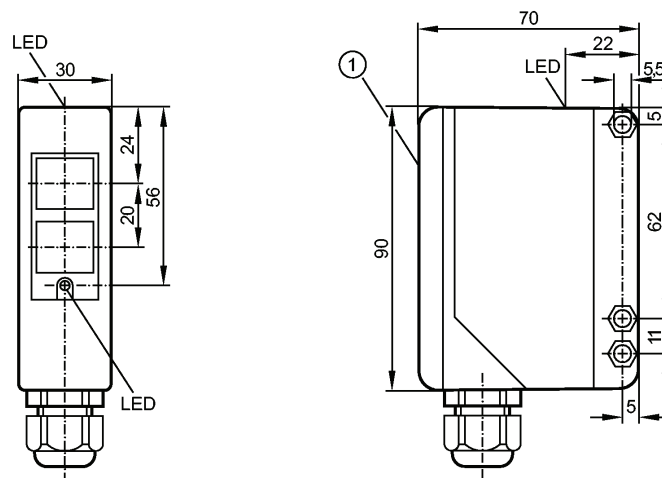


OA5108

OAT-FCKG

Photoelectric sensors



1: selection switch, pot's (under cover)

Receiver in upper lens, transmitter in lower lens


Product characteristics

Diffuse reflection sensor

Rectangular, plastics

Terminals

Function check output

Range 5...1500mm (referred to white paper 200 x 200 mm)

adjustable

Electrical data

Electrical design	DC PNP/NPN
Operating voltage [V]	10...36 DC
Current consumption [mA]	< 50
Type of light	Infrared light 880 nm
Protection class	II
Reverse polarity protection	yes

Outputs

Output function	light-on / dark-on programmable
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Current rating	
- Switching output [mA]	250
- dual output mode [mA]	100
- Function check output [mA]	10
Short-circuit protection	pulsed
Overload protection	yes
Switching frequency [Hz]	300

Range

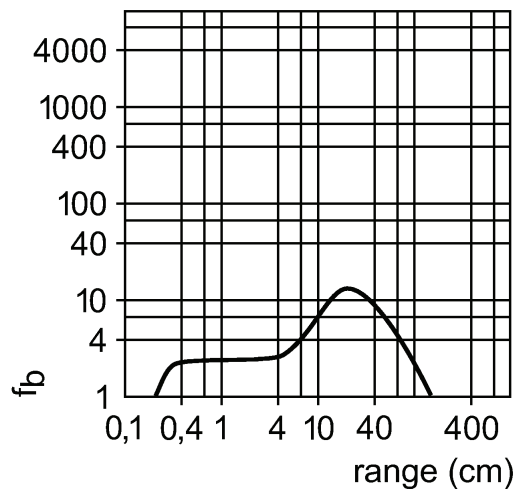
Range [mm]	5...1500 (referred to white paper 200 x 200 mm)
Light spot diameter [mm]	370 (at maximum range)

Excess gain graphs

OA5108

OAT-FCKG

Photoelectric sensors



Environment

Ambient temperature	[°C]	-25...60
Protection		IP 65

Tests / approvals

EMC		EN 60947-5-2
MTTF	[Years]	402

Mechanical data

Housing materials		modified PPO
Lens material		PMMA
Weight	[kg]	0.283

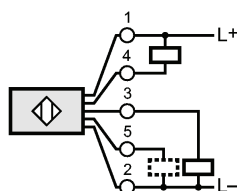
Displays / operating elements

Output status indication	LED	yellow
Operation	LED	green
Function display	LED	Red

Electrical connection

Connection		terminals up to 1.5 mm²; cable diameter 4.5...10 mm, cable gland M16 x 1.5
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Wiring



5: function check

Accessories

Accessories (included)		Angle bracket; E20514; screwdriver
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Remarks

Pack quantity	[piece]	1
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