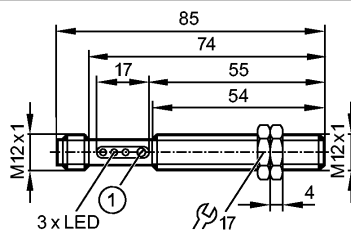


OF5027

OFB-FPKG/US-100

Photoelectric sensors



1: potentiometer


Product characteristics

Diffuse reflection sensor

Threaded type

M12 x 1

Quick disconnect

Function check output

Highly focussed beam

Range 1...400mm (referred to white paper 200 x 200 mm)

adjustable

Electrical data

Electrical design	DC PNP
Operating voltage [V]	10...36 DC
Current consumption [mA]	< 35
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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Voltage drop

- Switching output [V]	< 2.5
- Function check output [V]	< 3.5

Current rating

- Switching output [mA]	200
- Function check output [mA]	10
Short-circuit protection	yes (non-latching)
Overload protection	yes
Switching frequency [Hz]	320

Monitoring range

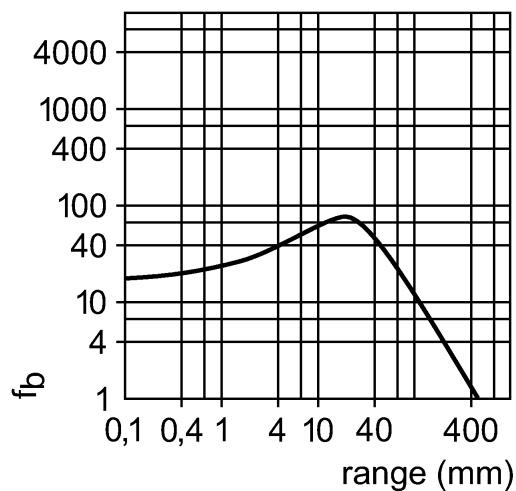
Range [mm]	1...400 (referred to white paper 200 x 200 mm)
Light spot diameter [mm]	185 (at maximum range)

Excess gain graphs

OF5027

OFB-FPKG/US-100

Photoelectric sensors


Environment

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

Tests / approvals

EMC		EN 60947-5-2
MTTF	[Years]	607

Mechanical data

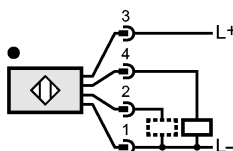
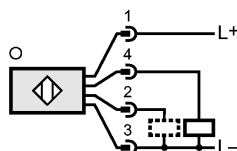
Housing materials		brass Optalloy-plated
Lens material		PMMA
Weight	[kg]	0.047

Displays / operating elements

Output status indication	LED	yellow
Power	LED	green
Function display	LED	red

Electrical connection

Connection		M12 connector
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Wiring


2: function check

Accessories

Accessories (included)		2 lock nuts; screwdriver
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Remarks

Pack quantity	[piece]	1
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