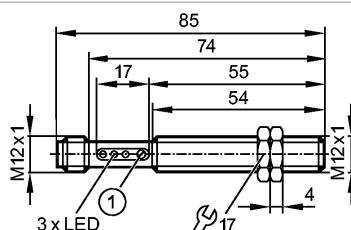


OF5027

OFB-FPKG/US-100

Photoelectric sensors



1: potentiometer

Made in Germany


Product characteristics

Diffuse reflection sensor

Threaded type

M12 x 1

Connector

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	pulsed
Overload protection	yes
Switching frequency [Hz]	320

Range

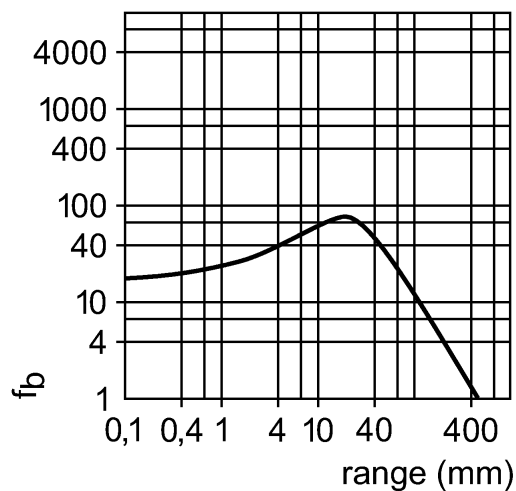
Range [mm]	1...400 (referred to white paper 200 x 200 mm)
Light spot diameter [mm]	185 (at maximum range)

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

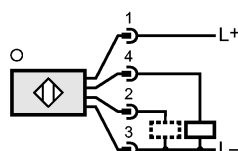
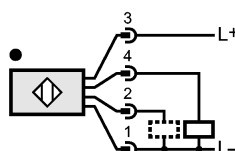
Output status indication LED yellow

Operation LED green

Function display LED Red

Electrical connection

Connection M12 connector

Wiring


2: function check

Accessories

Accessories (included) 2 lock nuts; screwdriver

Remarks

Pack quantity [piece] 1