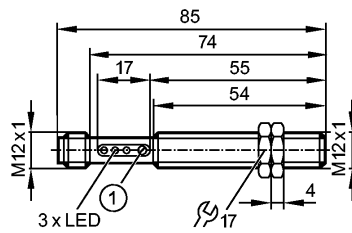


**OF5027**

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
<b>Voltage drop</b>	
- Switching output [V]	< 2.5
- Function check output [V]	< 3.5
<b>Current rating</b>	
- Switching output [mA]	200
- Function check output [mA]	10
Short-circuit protection	yes (non-latching)
Overload protection	yes
Switching frequency [Hz]	320

**Monitoring range**

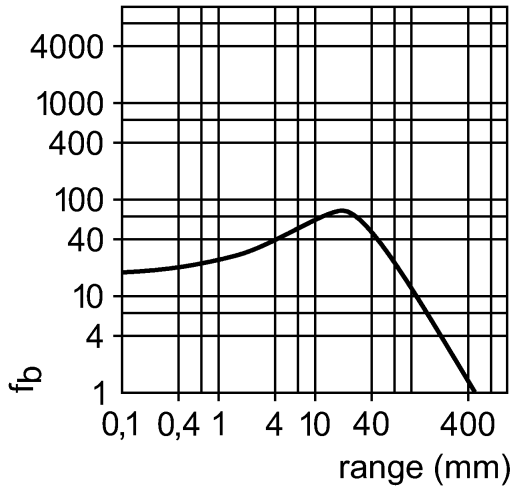
Range [mm]	1...400 (referred to white paper 200 x 200 mm)
Light spot diameter [mm]	185 ( at maximum range )

**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
<b>Wiring</b>		
2: function check		
Accessories		
Accessories (included)		2 lock nuts; screwdriver
Remarks		
Pack quantity	[piece]	1