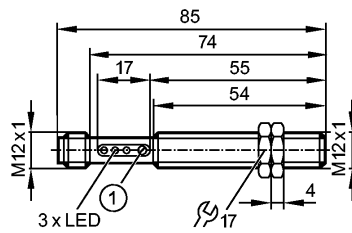


**OF5025**

OFP-FPKG/US-100

Photoelectric sensors



1: potentiometer

Made in Germany



**Product characteristics**

Retro-reflective sensor
Threaded type
M12 x 1
Connector
Polarisation filter
Function check output
Sensing range 0.2...0.8m (Prismatic reflector Ø 80 (E20005))
adjustable

**Electrical data**

Electrical design	DC PNP
Operating voltage [V]	10...36 DC
Current consumption [mA]	< 35
Type of light	Red light 660 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	pulsed
Overload protection	yes
Switching frequency [Hz]	320

**Range**

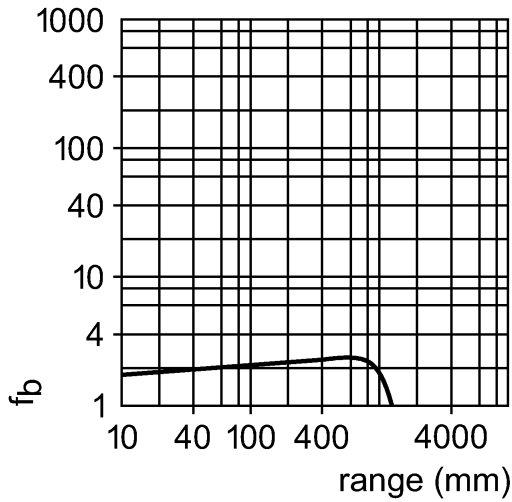
Sensing range [m]	0.2...0.8 (Prismatic reflector Ø 80 (E20005))
Range referred to prismatic reflector [m]	Ø 80 0.2...0.8 Ø 35 0.2...0.5 Ø 20 -
Light spot diameter [mm]	70 ( at maximum range )

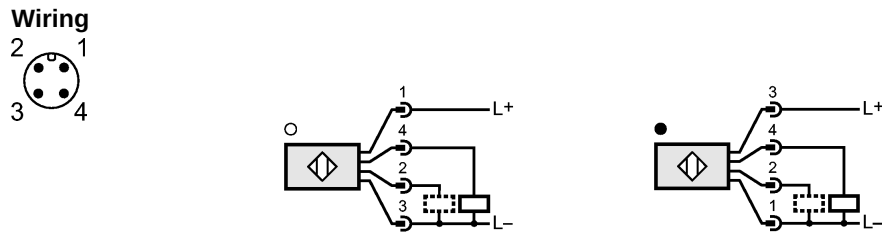
**Excess gain graphs**

**OF5025**

OFP-FPKG/US-100

Photoelectric sensors



Environment		
Ambient temperature	[°C]	-25...60
Protection		IP 65
Tests / approvals		
EMC		EN 60947-5-2 EN 55011: class B
MTTF	[Years]	615
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