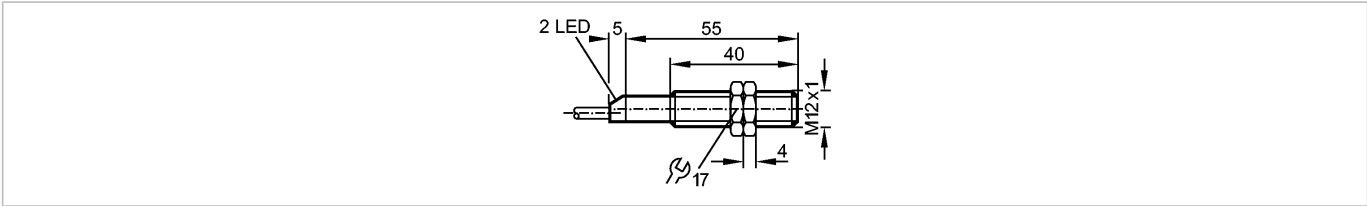


**OF5014**

OFR-FPKG

Photoelectric sensors



Made in Germany

**Product characteristics**

Retro-reflective sensor
Threaded type
M12 x 1
Cable
Sensing range 0.05...2m (Prismatic reflector Ø 80 (E20005))

**Electrical data**

Electrical design	DC PNP
Operating voltage [V]	10...36 DC
Current consumption [mA]	< 30
Type of light	Infrared light 880 nm
Protection class	II
Reverse polarity protection	yes

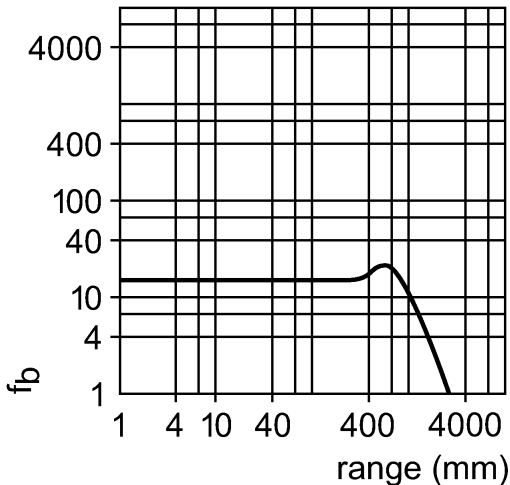
**Outputs**

Output function	light-on / dark-on programmable
Voltage drop [V]	< 2.5
Current rating [mA]	200
Short-circuit protection	pulsed
Overload protection	yes
Switching frequency [Hz]	320

**Range**

Sensing range [m]	0.05...2 (Prismatic reflector Ø 80 (E20005))
Range referred to prismatic reflector [m]	Ø 80 0.05...2 Ø 35 0.05...1.5 Ø 20 0.05...1.2
Light spot diameter [mm]	140 ( at maximum range )

**Excess gain graphs**



## OF5014

OFR-FPKG

Photoelectric sensors

### Environment

Ambient temperature	[°C]	-25...60
Protection		IP 67

### Tests / approvals

MTTF	[Years]	891
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### Mechanical data

Housing materials		brass nickel-plated
Lens material		PMMA
Weight	[kg]	0.094

### Displays / operating elements

Output status indication	LED	yellow
Operation	LED	green

### Electrical connection

Connection		PUR cable / 2 m; 3 x 0.34 mm <sup>2</sup>
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#### Wiring

Core colours

BN	brown
BU	blue
BK	black



### Accessories

Accessories (included)		2 lock nuts
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### Remarks

Pack quantity	[piece]	1
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