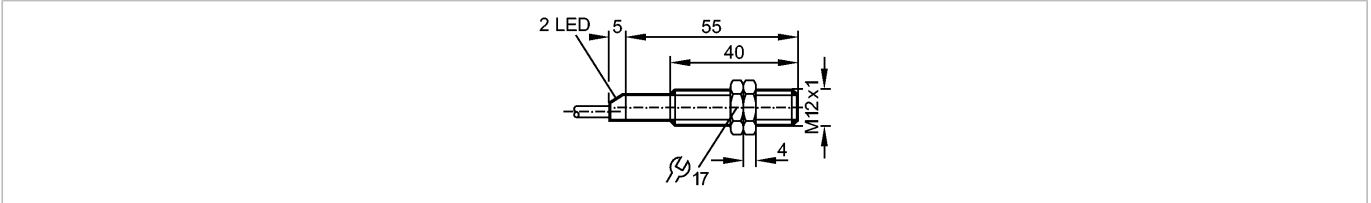




OFF-FPKG

Photoelectric sensors



Product characteristics

Retro-reflective sensor

Threaded type

M12 x 1

Cable

Polarization filter

Sensing range 0.2...0.8m (Prismatic reflector Ø 80 (E20005))

Electrical data

Electrical design

DC PNP

Operating voltage [V]

10...36 DC

Current consumption [mA]

< 30

Type of light

red light 660 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

yes (non-latching)

Overload protection

yes

Switching frequency [Hz]

320

Monitoring range

Sensing range [m]

0.2...0.8 (Prismatic reflector Ø 80 (E20005))

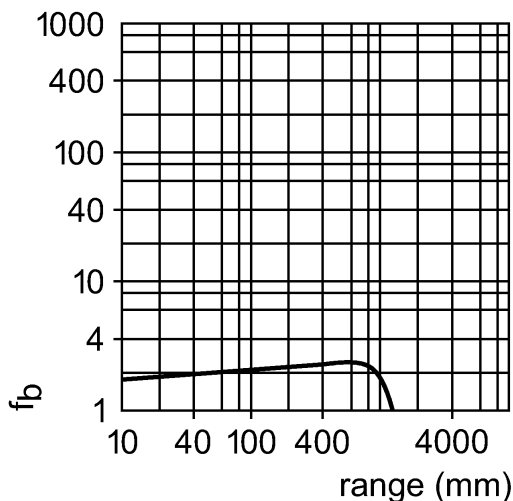
Range referred to prismatic reflector[m]

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



Environment

OF5024 - Retro-reflective sensor - eclass: 27270902 / 27-27-09-02

Ambient temperature	[°C]	-25...60
Protection		IP 67
Tests / approvals		
EMC		EN 60947-5-2 EN 55011: class B
MTTF	[Years]	895
Mechanical data		
Housing materials		brass nickel-plated
Lens material		PMMA
Weight	[kg]	0.094
Displays / operating elements		
Output status indication	LED	yellow
Power	LED	green
Electrical connection		
Connection		PUR cable / 2 m; 3 x 0.34 mm ²

Wiring

Core colors

- BN brown
- BU blue
- BK black



Accessories

Accessories (included)		2 lock nuts
Remarks		
Pack quantity	[piece]	1