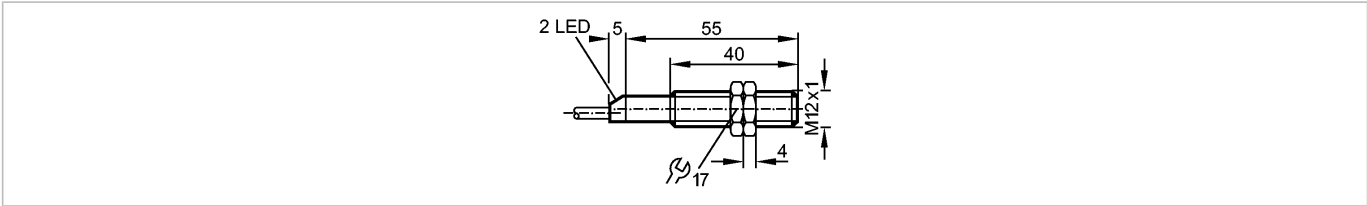


OF5024

OFP-FPKG

Photoelectric sensors



Made in Germany



Product characteristics

Retro-reflective sensor
Threaded type
M12 x 1
Cable
Polarisation 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	pulsed
Overload protection	yes
Switching frequency [Hz]	320

Range

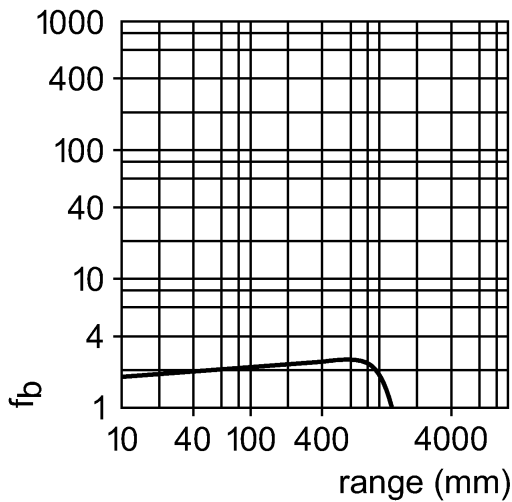
Sensing range [m]	0.2...0.8 (Prismatic reflector Ø 80 (E20005))						
Range referred to prismatic reflector [m]	<table border="0"> <tr> <td>Ø 80</td> <td>0.2...0.8</td> </tr> <tr> <td>Ø 35</td> <td>0.2...0.5</td> </tr> <tr> <td>Ø 20</td> <td>-</td> </tr> </table>	Ø 80	0.2...0.8	Ø 35	0.2...0.5	Ø 20	-
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

OF5024

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Environment

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
Operation	LED	green

Electrical connection

Connection		PUR cable / 2 m; 3 x 0.34 mm ²
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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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