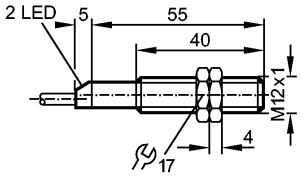
efector200

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]	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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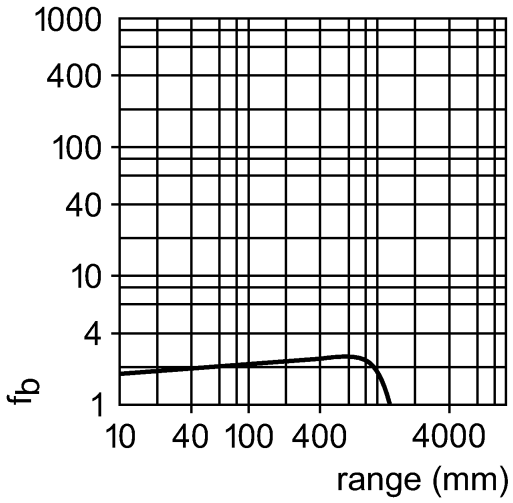


Environment		
Ambient temperature	[°C]	-25...60
Protection		IP 67
Tests / approvals		
EMC		EN 60947-5-2 EN 55011: class B
MTTF	[Years]	895
Mechanical data		
Housing materials		brass nickel-plated
Lens material		PMMA
Weight	[kg]	0.094
Displays / operating elements		
Output status indication	LED	yellow
Operation	LED	green
Electrical connection		
Connection		PUR cable / 2 m; 3 x 0.34 mm²

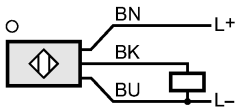
Wiring

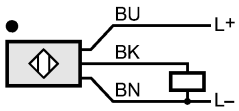
Core colours

BN brown

BU blue

BK black





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