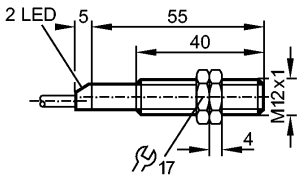
efector200

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

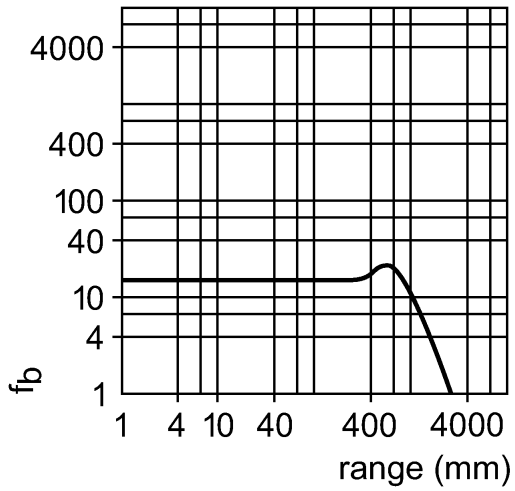
Outputs

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



efector200

OF5014

OFR-FPKG

Photoelectric sensors

Environment		
Ambient temperature	[°C]	-25...60
Protection		IP 67
Tests / approvals		
MTTF	[Years]	891
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

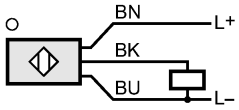
Wiring

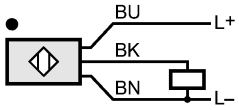
Core colours

BN brown

BU blue

BK black





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