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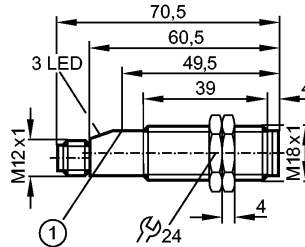
**efector200**

OG5115



OGP-FPKG/B1/V4A/US-100

Photoelectric sensors



1: pushbutton



Product characteristics

Retro-reflective sensor

Threaded type

M18 x 1

Quick disconnect

Polarization filter

Function check output

gold-plated contacts

Sensing range 3m (Prismatic reflector Ø 80 (E20005))

adjustable

Electrical data

Electrical design

DC PNP

Operating voltage [V]

10...36 DC

Current consumption [mA]

< 32

Type of light

red light 660 nm

Protection class

II

Reverse polarity protection

yes

Outputs

Output function

light-on / dark-on programmable

**Voltage drop**

- Switching output [V]

< 2.5

- Function check output [V]

< 3.5

**Current rating**

- Switching output [mA]

200

- Function check output [mA]

10

Short-circuit protection

yes (non-latching)

Overload protection

yes

Switching frequency [Hz]

500

Monitoring range

Sensing range [m]

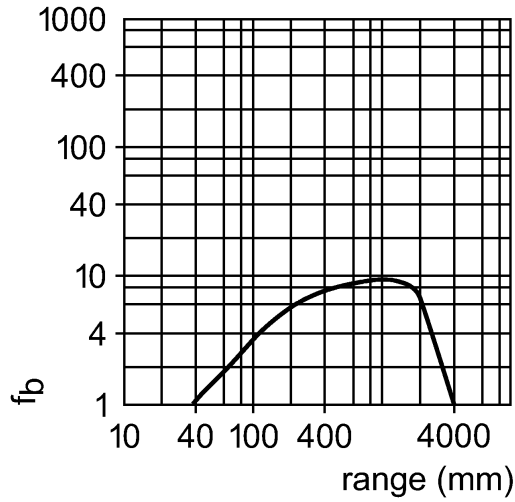
3 (Prismatic reflector Ø 80 (E20005))

Light spot diameter [mm]

262 ( at maximum range )

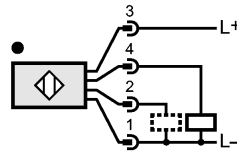
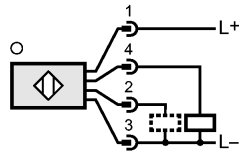
**Excess gain graphs**

**OG5115 - Retro-reflective sensor - eclass: 27270902 / 27-27-09-02**



Environment		
Ambient temperature	[°C]	-25...80
Protection		IP 68 / IP 69K
Tests / approvals		
EMC		EN 60947-5-2 EN 55011: class B
MTTF	[Years]	469
Mechanical data		
Housing materials		stainless steel 316L / 1.4404; PBT
Lens material		PMMA
Displays / operating elements		
Output status indication	LED	yellow
Power	LED	green
Function display	LED	red
Electrical connection		
Connection		M12 connector; gold-plated contacts

**Wiring**



2: function check

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

ifm efector, inc. • 1100 Atwater Drive • Malvern • PA 19355 — We reserve the right to make technical alterations without prior notice. — US — OG5115 — 06.03.2003

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