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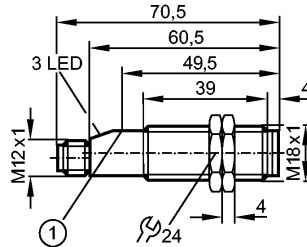
efector200

OG5114



OGT-FPKG/V4A/US-100

Photoelectric sensors



1: pushbutton



Product characteristics

Diffuse reflection sensor

Threaded type

M18 x 1

Quick disconnect

Function check output

gold-plated contacts

Range 600mm (referred to white paper 200 x 200 mm)

adjustable

Electrical data

Electrical design

Operating voltage [V]

Current consumption [mA]

Type of light

Protection class

Reverse polarity protection

Outputs

Output function

Voltage drop

- Switching output [V]

- Function check output [V]

Current rating

- Switching output [mA]

- Function check output [mA]

Short-circuit protection

Overload protection

Switching frequency [Hz]

Monitoring range

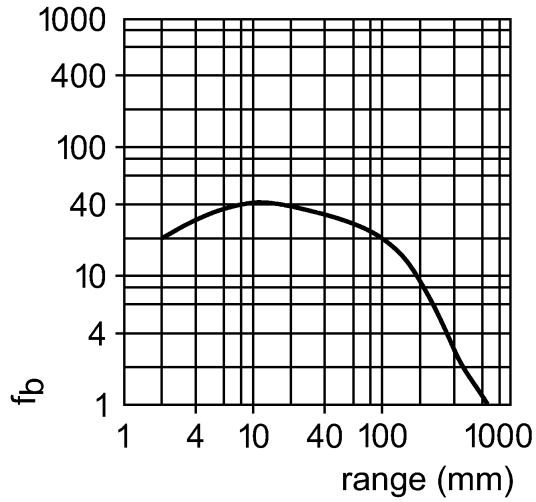
Range [mm]

Light spot diameter [mm]

Excess gain graphs

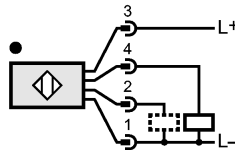
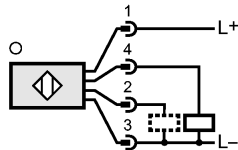
	DC PNP
	10...36 DC
	< 32
	Infrared light 880 nm
	II
	yes
	light-on / dark-on programmable
	< 2.5
	< 3.5
	200
	10
	yes (non-latching)
	yes
	500
	600 (referred to white paper 200 x 200 mm)
	< 169 (at maximum range)

OG5114 - Diffuse reflection sensor - eclass: 27270903 / 27-27-09-03



Environment	
Ambient temperature [°C]	-25...80
Protection	IP 68 / IP 69K
Tests / approvals	
EMC	EN 60947-5-2 EN 55011: class B
MTTF [Years]	466
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 — OG5114 — 06.03.2003

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