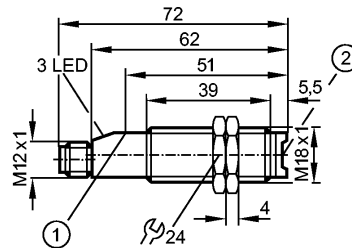




OGELFNKG/B2/V4A/US-100

Photoelectric sensors



- 1: pushbutton
 2: LED adjustment aid



Product characteristics

Through-beam sensor

Threaded type

M18 x 1

Quick disconnect

Function check output

gold-plated contacts

Receiver

Sensing range 6m

adjustable

Electrical data

Electrical design

DC NPN

Operating voltage [V]

10...30 DC

Current consumption [mA]

< 24

Type of light

red light 675 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]

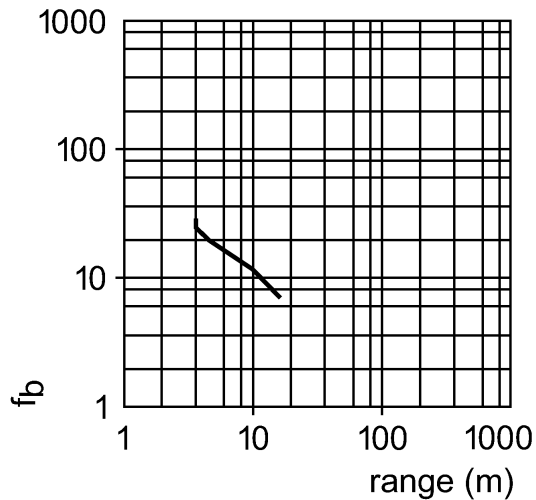
6

Smallest detectable object [mm]

Ø 1 mm

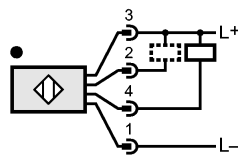
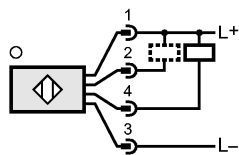
Excess gain graphs

OG5069 - Through-beam sensor - eclass: 27270901 / 27-27-09-01



Environment	
Ambient temperature [°C]	-10...50
Protection	IP 67
Tests / approvals	
EMC	EN 60947-5-2
Mechanical data	
Housing materials	stainless steel 316L / 1.4404; PBT
Lens material	PMMA
Weight [kg]	0.074
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