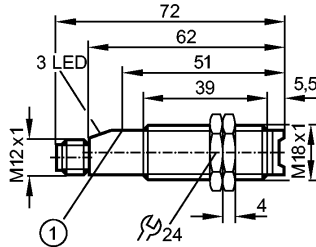


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Alternative article: OGP700 or OGP701

When selecting an alternative article and accessories please note that technical data may differ!



1: pushbutton



Product characteristics

Retro-reflective sensor
Threaded type
M18 x 1
Quick disconnect
Polarization filter
Function check output
Visible laser light, protection class 2 laser
gold-plated contacts
Sensing range 0.2...4m (Prismatic reflector Ø 80 (E20005))
adjustable

Electrical data

Electrical design	DC PNP
Operating voltage [V]	10...30 DC
Current consumption [mA]	< 30 *)
Type of light	red light 675 nm
Life expectancy typ. [h]	50000
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]	0.2...4 (Prismatic reflector Ø 80 (E20005))
Smallest detectable object [mm]	Ø 1.5 mm (1 m) / Ø 2.3 mm (2.5 m) / Ø 3 mm (4 m)

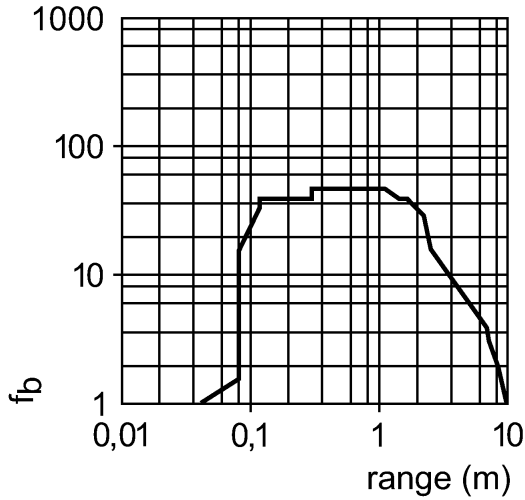
OG5071

OGPLFPKG/B4/V4A/US-100

Photoelectric sensors

Light spot diameter [mm] < 7 (at maximum range)

Excess gain graphs



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] 0.076

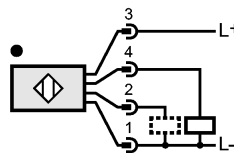
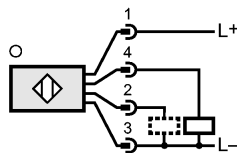
Displays / operating elements

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

Remarks Caution: Laser Light
 Power <= 2.2 mW wavelength = 675 nm
 Frequency = 2.2 kHz pulse length = 24 µs
 Do not stare into beam
 Avoid exposure to the laser light



OG5071

OGPLFPKG/B4/V4A/US-100

Photoelectric sensors

Class 2 laser product
EN60825-1 July 1994
*) Operating; < 50 mA setting mode

Pack quantity	[piece]	1
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