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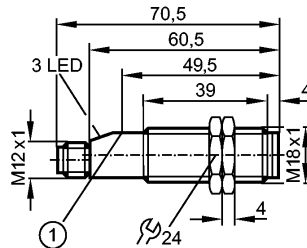
**efector200**

OG5054



OGH-FNKG/US-100

Photoelectric sensors



1: pushbutton



Product characteristics

Diffuse reflection sensor

Threaded type

M18 x 1

Quick disconnect

Background suppression

gold-plated contacts

Range 30...130mm (Range referred to white paper 200 x 200 mm, 90 % remission)

adjustable

Electrical data

Electrical design

DC NPN

Operating voltage [V]

10...30 DC

Current consumption [mA]

< 60

Type of light

red light 660 nm

Protection class

II

Reverse polarity protection

yes

Outputs

Output function

light-on / dark-on programmable

Voltage drop [V]

< 2.5

Current rating [mA]

150; 200 (...60 °C)

Short-circuit protection

yes (non-latching)

Overload protection

yes

Switching frequency [Hz]

250

Monitoring range

Range [mm]

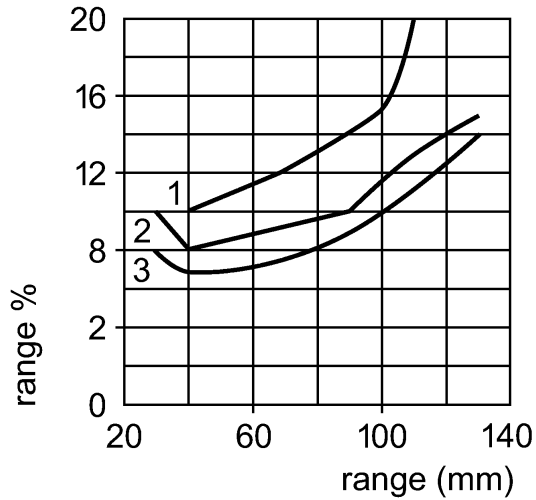
30...130 (Range referred to white paper 200 x 200 mm, 90 % remission)

Light spot diameter [mm]

12 ( at maximum range )

**Background suppression chart**

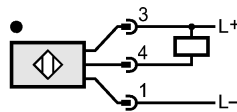
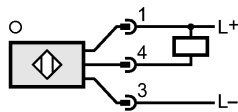
**OG5054 - Diffuse reflection sensor - eclass: 27270904 / 27-27-09-04**



1 = object black 6 % remission, background white 90 % remission  
 2 = object gray 18 % remission, background white 90 % remission  
 3 = object white 90 % remission, background white 90 % remission  
 Note: range % = setting in % of the range

Environment	
Ambient temperature [°C]	-25...80
Protection	IP 67
Tests / approvals	
EMC	EN 60947-5-2 EN 55011: class B
Mechanical data	
Housing materials	PBT (Pocan)
Lens material	PMMA
Weight [kg]	0.039
Displays / operating elements	
Output status indication LED	yellow
Power LED	green
Electrical connection	
Connection	M12 connector; gold-plated contacts

**Wiring**



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