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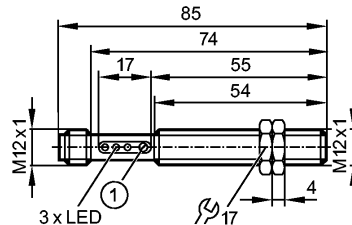
efector200

OF5053



OFE-FNKG/US-100

Photoelectric sensors



1: potentiometer



Product characteristics

Through-beam sensor

Threaded type

M12 x 1

Quick disconnect

Function check output

Receiver

Sensing range 4m

adjustable

Electrical data

Electrical design

DC NPN

Operating voltage [V]

10...36 DC

Current consumption [mA]

< 30

Type of light

Infrared light 880 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]

320

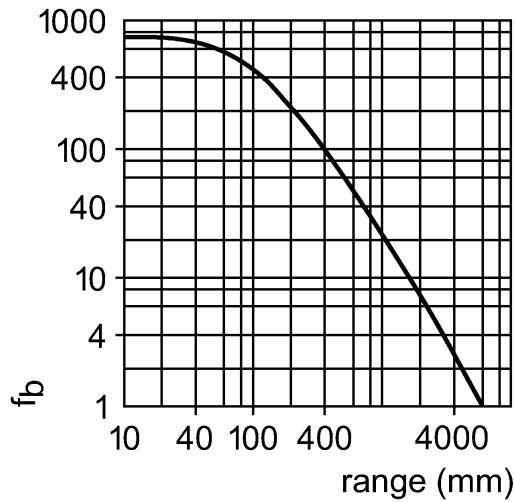
Monitoring range

Sensing range [m]

4

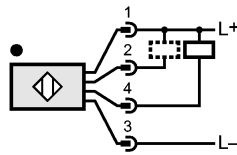
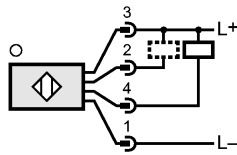
Excess gain graphs

OF5053 - Through-beam sensor - eclass: 27270901 / 27-27-09-01



| | |
|-------------------------------|-----------------------------------|
| Environment | |
| Ambient temperature [°C] | -25...60 |
| Protection | IP 65 |
| Tests / approvals | |
| EMC | EN 60947-5-2 EN 55011: class B |
| MTTF [Years] | 646 |
| Mechanical data | |
| Housing materials | brass Optalloy-plated |
| Lens material | PMMA |
| Weight [kg] | 0.046 |
| Displays / operating elements | |
| Output status indication LED | yellow |
| Power LED | green |
| Function display LED | red |
| Electrical connection | |
| Connection | M12 connector |

Wiring



2: function check

| | |
|------------------------|--------------------------|
| Accessories | |
| Accessories (included) | 2 lock nuts; screwdriver |
| Remarks | |
| Pack quantity [piece] | 1 |

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