

no longer available - archive entry Alternative article: OF5060

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

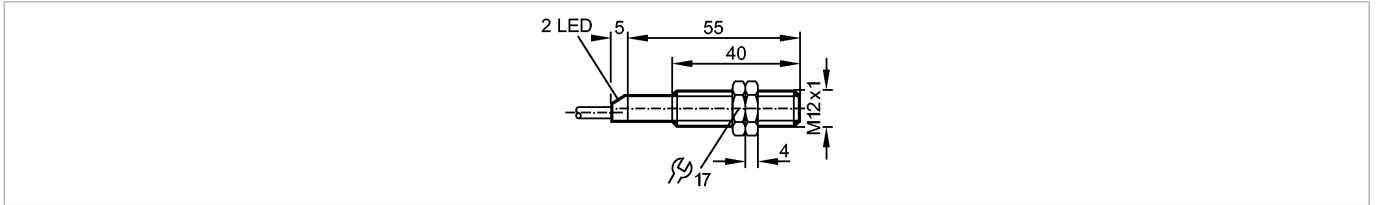
**efector200**

OF5059



OFB-FNKG

Photoelectric sensors



Product characteristics

Diffuse reflection sensor

Threaded type

M12 x 1

Cable

Highly focussed beam

Range 1...400mm (referred to white paper 200 x 200 mm)

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 [V]

< 2.5

Current rating [mA]

200

Short-circuit protection

yes (non-latching)

Overload protection

yes

Switching frequency [Hz]

320

Monitoring range

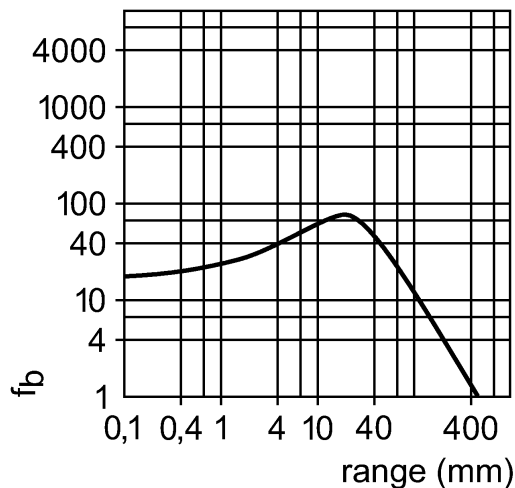
Range [mm]

1...400 (referred to white paper 200 x 200 mm)

Light spot diameter [mm]

185 ( at maximum range )

Excess gain graphs



Environment

Ambient temperature [°C]

-25...60

**OF5059 - Diffuse reflection sensor - eclass: 27270903 / 27-27-09-03**

Protection	IP 67
Tests / approvals	
EMC	EN 60947-5-2 EN 55011: class B
MTTF [Years]	903
Mechanical data	
Housing materials	brass nickel-plated
Lens material	PMMA
Weight [kg]	0.106
Displays / operating elements	
Output status indication LED	yellow
Power LED	green
Electrical connection	
Connection	PUR cable / 2 m; 3 x 0.34 mm <sup>2</sup>

**Wiring**

Core colors

BN brown

BU blue

BK black



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 — OF5059 — 14.11.2011

no longer available - archive entry Alternative article: OF5060

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