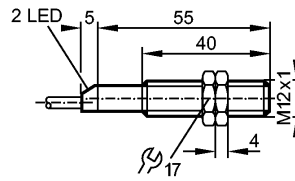




OFT-FNKG

Photoelectric sensors



Product characteristics
Diffuse reflection sensor

Threaded type

M12 x 1

Cable

Range 1...200mm (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

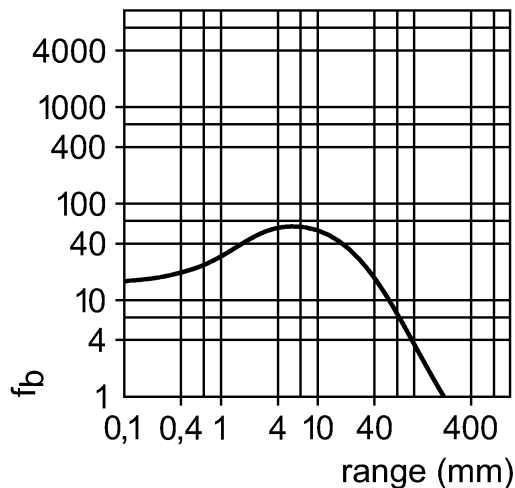
Range [mm]

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

Light spot diameter [mm]

92 (at maximum range)

Excess gain graphs



Environment

Ambient temperature [°C]

-25...60

Protection

IP 67

Tests / approvals

EMC

EN 60947-5-2

OF5048 - Diffuse reflection sensor - eclass: 27270903 / 27-27-09-03

MTTF	[Years]	903
Mechanical data		
Housing materials		brass nickel-plated
Lens material		PMMA
Weight	[kg]	0.093
Displays / operating elements		
Output status indication	LED	yellow
Power	LED	green
Electrical connection		
Connection		PUR cable / 2 m; 3 x 0.34 mm ²

Wiring

Core colors

BN brown
 BU blue
 BK black



Accessories

Accessories (included)		2 lock nuts
------------------------	--	-------------

Remarks

Pack quantity	[piece]	1
---------------	---------	---