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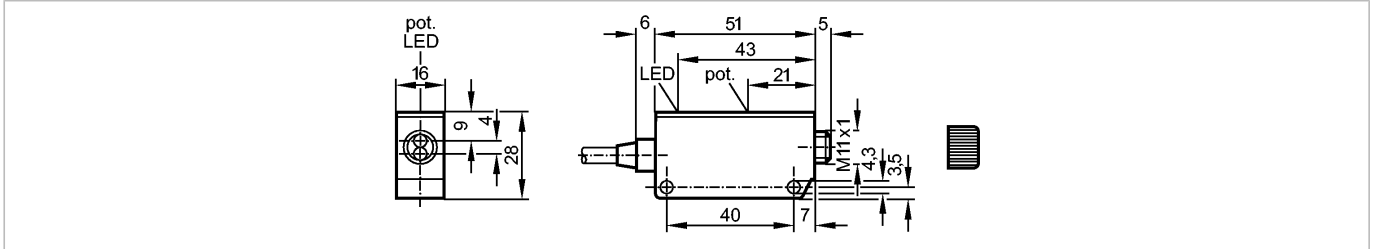
**efector200**

OU5003



OUF-HNKG

Photoelectric sensors



Product characteristics

Fiber-optic amplifier

Rectangular, plastics

Cable

Sensing range 120mm (Through-beam sensor)

Range 40mm (Diffuse reflection sensor)

adjustable

Electrical data

Electrical design

DC NPN

Operating voltage [V]

10...55 DC

Current consumption [mA]

35 (24 V)

Type of light

Infrared light 880 nm

Protection class

II

Reverse polarity protection

yes

Outputs

Output function

light-on mode

Voltage drop [V]

< 2.5

Current rating [mA]

250

Short-circuit protection

yes (non-latching)

Overload protection

yes

Switching frequency [Hz]

100

Monitoring range

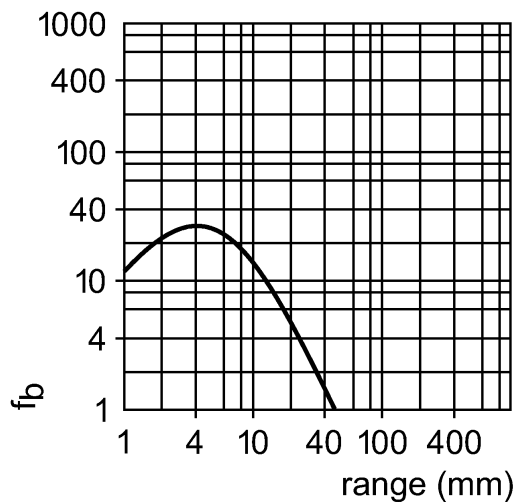
Sensing range [m]

0.12 (Through-beam sensor)

Range [mm]

40 (Diffuse reflection sensor)

Excess gain graphs



Environment

Ambient temperature

[°C]

-25...80

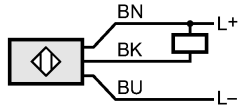
**OU5003 - Fiber-optic amplifier - eclass: 27270905 / 27-27-09-05**

Protection	IP 65
Tests / approvals	
EMC	EN 60947-5-2 EN 55011: class B
MTTF [Years]	653
Mechanical data	
Housing materials	modified PPO
Weight [kg]	0.151
Displays / operating elements	
Output status indication LED	yellow
Electrical connection	
Connection	PVC cable / 2 m; 3 x 0.34 mm <sup>2</sup>

**Wiring**

Core colors

- BN brown
- BU blue
- BK black



Accessories	
Accessories (included)	Angle bracket; E20211; screwdriver
Remarks	
Remarks	When through-beam fibre optics are connected light-on mode means the output function "NC" and when diffuse reflection fibre optics are connected the output function "NO".
Pack quantity [piece]	1