

1: pushbutton

Product characteristics

Through-beam sensor

Threaded type

M18 x 1

Cable with connector

Receiver

Sensing range 15m

adjustable

Electrical data

Electrical design

DC PNP

Operating voltage [V]

10...36 DC

Current consumption [mA]

< 22

Type of light

Infrared light 880 nm

Protection class

II

Reverse polarity protection

yes

Outputs

Output function

dark-on mode

Voltage drop [V]

< 2.5

**Current rating**

- Current rating (continuous) [mA]

200

- Current rating (peak) [mA]

200

Short-circuit protection

yes (non-latching)

Overload protection

yes

Switching frequency [Hz]

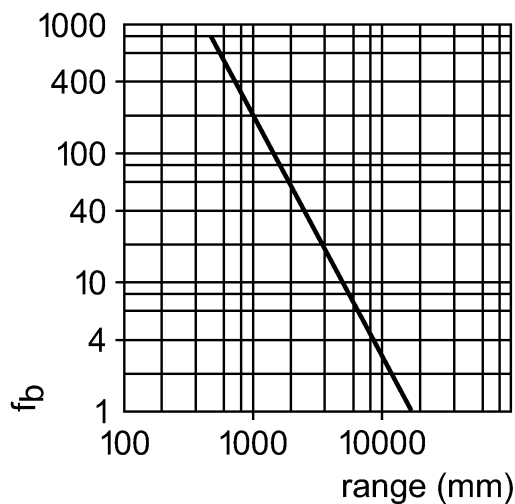
500

Monitoring range

Sensing range [m]

15

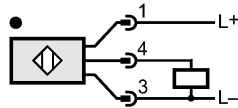
**Excess gain graphs**



**OG8501 - Through-beam sensor - eclass: 27270901 / 27-27-09-01**

Environment		
Ambient temperature	[°C]	-25...80
Protection		IP 68 / IP 69K
Tests / approvals		
EMC		EN 60947-5-2 EN 55011: class B
Mechanical data		
Housing materials		stainless steel 316L / 1.4404; PBT
Lens material		PMMA
Displays / operating elements		
Output status indication	LED	yellow
Power	LED	green
Function display	LED	red
Electrical connection		
Connection		PVC cable / 0.2 m; 3 x 0.34 mm <sup>2</sup> ; with M12 connector

**Wiring**



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