

Receiver in lower lens, Transmitter in upper lens



Product characteristics  
Diffuse reflection sensor

Rectangular, plastics

Quick disconnect

Range 4...200mm (referred to white paper 200 x 200 mm)  
adjustable

Electrical data

Electrical design

Operating voltage [V]

Current consumption [mA]

Type of light

Protection class

Reverse polarity protection

Outputs

Output function

Voltage drop [V]

Current rating [mA]

Short-circuit protection

Overload protection

Switching frequency [Hz]

Monitoring range

Range [mm]

Light spot diameter [mm]

Excess gain graphs

DC PNP

10...50 DC

40 (24 V)

Infrared light 880 nm

II

yes

light-on / dark-on programmable

< 2.5

250

yes (non-latching)

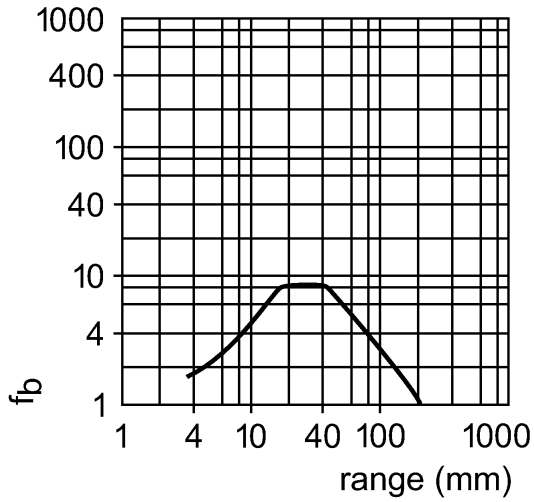
yes

150

4...200 (referred to white paper 200 x 200 mm)

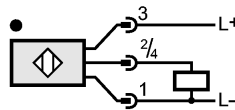
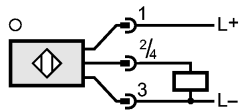
187 ( at maximum range )

**OT5003 - Diffuse reflection sensor - eclass: 27270903 / 27-27-09-03**



Environment	
Ambient temperature [°C]	-25...60
Protection	IP 65
Tests / approvals	
EMC	EN 60947-5-2
MTTF [Years]	583
Mechanical data	
Housing materials	PBT
Lens material	PMMA
Weight [kg]	0.161
Displays / operating elements	
Output status indication LED	yellow
Power LED	green
Electrical connection	
Connection	M12 connector

**Wiring**



Accessories	
Accessories (included)	Angle bracket; E20461; screwdriver
Remarks	
Pack quantity [piece]	1