

1: selection switch, pot's (under cover)

Receiver in upper lens, transmitter in lower lens



Product characteristics

Diffuse reflection sensor

Rectangular, plastics

Terminals

Function check output

Range 5...1500mm (referred to white paper 200 x 200 mm)

adjustable

Electrical data

Electrical design

DC PNP/NPN

Operating voltage [V]

10...36 DC

Current consumption [mA]

< 50

Type of light

Infrared light 880 nm

Protection class

II

Reverse polarity protection

yes

Outputs

Output function

light-on / dark-on programmable

**Current rating**

- Switching output [mA]

250

- dual output mode [mA]

100

- Function check output [mA]

10

Short-circuit protection

yes (non-latching)

Overload protection

yes

Switching frequency [Hz]

300

Monitoring range

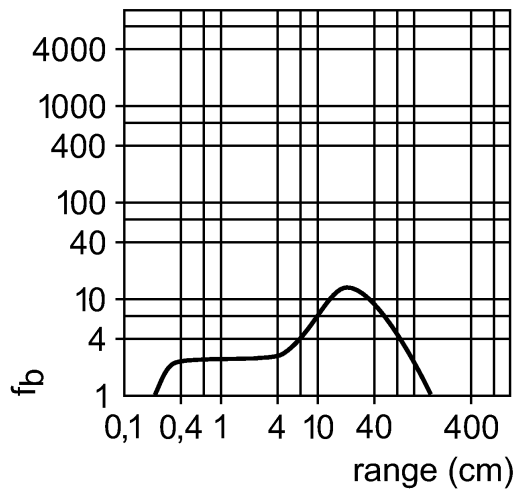
Range [mm]

5...1500 (referred to white paper 200 x 200 mm)

Light spot diameter [mm]

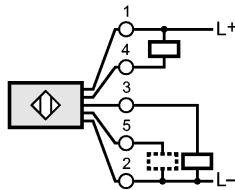
370 ( at maximum range )

**Excess gain graphs**



Environment	
Ambient temperature [°C]	-25...60
Protection	IP 65
Tests / approvals	
EMC	EN 60947-5-2
MTTF [Years]	402
Mechanical data	
Housing materials	modified PPO
Lens material	PMMA
Weight [kg]	0.283
Displays / operating elements	
Output status indication LED	yellow
Power LED	green
Function display LED	red
Electrical connection	
Connection	terminals up to 1.5 mm <sup>2</sup> ; cable diameter 4.5...10 mm, cable gland M16 x 1.5

**Wiring**



5: function check

Accessories

Accessories (included)	Angle bracket; E20514; screwdriver
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Remarks

Pack quantity [piece]	1
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