

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

Receiver in upper lens, transmitter in lower lens



Product characteristics

Retro-reflective sensor

Rectangular, plastics

Terminals

Polarization filter

Function check output

Sensing range 0.2...8m (Prismatic reflector Ø 80 (E20005))
adjustable

Electrical data

Electrical design

DC PNP/NPN

Operating voltage [V]

10...36 DC

Current consumption [mA]

< 50

Type of light

red light 660 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

Sensing range [m]

0.2...8 (Prismatic reflector Ø 80 (E20005))

Range referred to prismatic reflector [m]

Ø 80 0.2...8

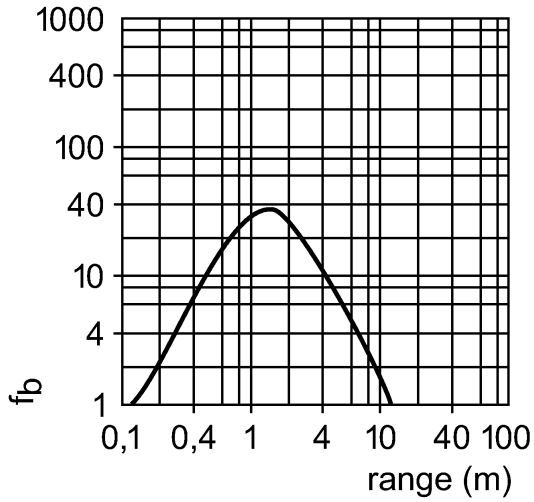
Ø 40 0.2...5

Ø 22 0.35...2.5

Light spot diameter [mm]

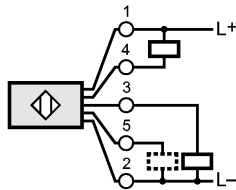
420 (at maximum range)

Excess gain graphs



Environment	
Ambient temperature [°C]	-25...60
Protection	IP 65
Tests / approvals	
EMC	EN 60947-5-2
MTTF [Years]	403
Mechanical data	
Housing materials	modified PPO
Lens material	PMMA
Weight [kg]	0.289
Displays / operating elements	
Output status indication LED	yellow
Power LED	green
Function display LED	red
Electrical connection	
Connection	terminals up to 1.5 mm ² ; 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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