

Receiver in upper lens, transmitter in lower lens



Product characteristics

Retro-reflective sensor

Rectangular, plastics

Quick disconnect

Sensing range 0.15...3m (Prismatic reflector Ø 80 (E20005))

adjustable

Electrical data

Electrical design

DC PNP

Operating voltage [V]

10...55 DC

Current consumption [mA]

< 35

Type of light

Infrared light 880 nm

Protection class

III

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]

160

Monitoring range

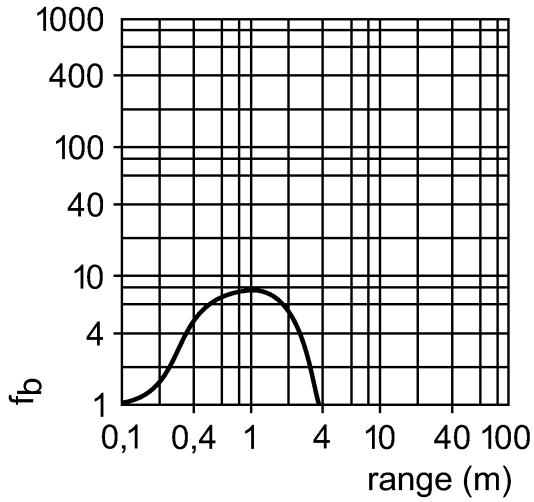
Sensing range [m]

0.15...3 (Prismatic reflector Ø 80 (E20005))

Light spot diameter [mm]

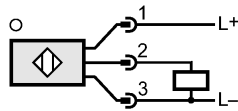
262 (at maximum range)

Excess gain graphs



Environment	
Ambient temperature [°C]	-25...80
Protection	IP 67
Tests / approvals	
EMC	EN 60947-5-2 EN 55011: class B
MTTF [Years]	685
Mechanical data	
Housing materials	modified PPO
Lens material	glass
Weight [kg]	0.074
Displays / operating elements	
Output status indication LED	yellow
Electrical connection	
Connection	M12 connector

Wiring



Accessories	
Accessories (included)	Angle bracket; E20211
Remarks	
Pack quantity [piece]	1