

1: pushbutton



Product characteristics

Retro-reflective sensor

Rectangular, plastics

Quick disconnect

Polarization filter

Electronic lock

External teach function

Side sensing

Sensing range 0...2m (Prismatic reflector Ø 80 (E20005))

adjustable

Electrical data

Electrical design

DC NPN

Operating voltage [V]

10...30 DC

Current consumption [mA]

< 22

Type of light

red light 660 nm

Protection class

III

Reverse polarity protection

yes

Outputs

Output function

light-on / dark-on programmable

Voltage drop [V]

< 2.5

Current rating [mA]

200

Short-circuit protection

yes (non-latching)

Overload protection

yes

Switching frequency [Hz]

2000

Monitoring range

Sensing range [m]

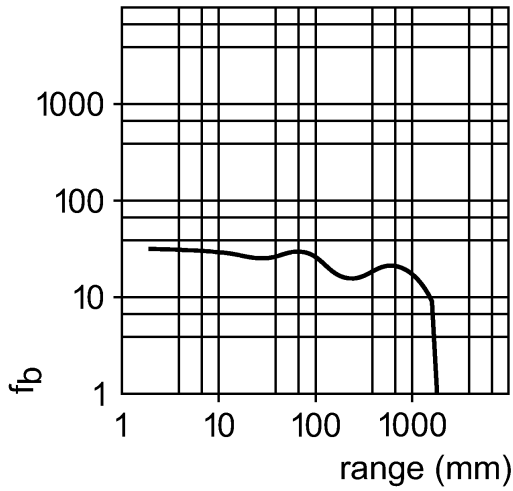
0...2 (Prismatic reflector Ø 80 (E20005))

Light spot diameter [mm]

64 (at maximum range)

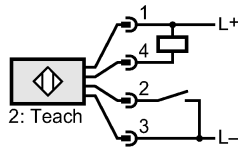
Excess gain graphs

OJ5027 - Retro-reflective sensor - eclass: 27270902 / 27-27-09-02



Environment		
Ambient temperature	[°C]	-25...60
Protection		IP 67
Tests / approvals		
EMC		EN 60947-5-2
MTTF	[Years]	897
Mechanical data		
Housing materials		housing: ABS; fixture: diecast zinc; LED window: SEPS; pushbutton: SEPS
Lens material		glass
Weight	[kg]	0.041
Displays / operating elements		
Output status indication	LED	yellow
Power	LED	green
Function display	LED	red
Electrical connection		
Connection		M8 connector

Wiring



Accessories		
Accessories (included)		Basic clip; E20964; 2 mounting screws; M3 x 16; 2 spring washers; 2 nuts
Remarks		
Remarks		cULus - Class 2 source required
Pack quantity	[piece]	1