

1: pushbutton



Product characteristics

Diffuse reflection sensor

Rectangular, plastics

Quick disconnect

Electronic lock

External teach function

Front sensing

Range 1...600mm (Range referred to white paper 200 x 200 mm, 90 % remission)

adjustable

Electrical data

Electrical design

Operating voltage [V]

DC NPN

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

Range [mm]

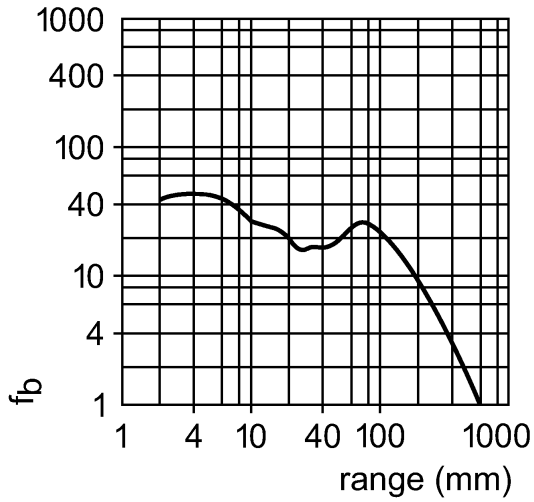
1...600 (Range referred to white paper 200 x 200 mm, 90 % remission)

Light spot diameter [mm]

60 (at maximum range)

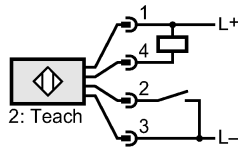
Excess gain graphs

OJ5001 - Diffuse reflection sensor - eclass: 27270903 / 27-27-09-03



Environment	
Ambient temperature [°C]	-25...60
Protection	IP 67
Tests / approvals	
EMC	EN 60947-5-2
MTTF [Years]	911
Mechanical data	
Housing materials	housing: ABS; fixture: diecast zinc; LED window: SEPS; pushbutton: SEPS
Lens material	glass
Weight [kg]	0.04
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