

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]

Current consumption [mA]

Type of light

Protection class

Reverse polarity protection

Outputs

Output function

Voltage drop [V]

Current rating [mA]

Short-circuit protection

Overload protection

Switching frequency [Hz]

Monitoring range

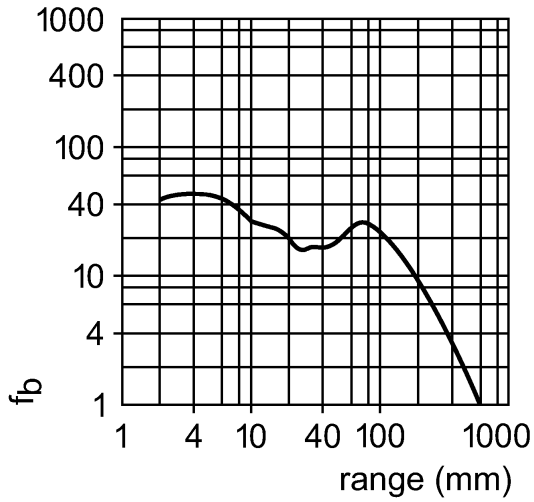
Range [mm]

Light spot diameter [mm]

Excess gain graphs

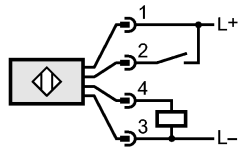
	DC PNP
	10...30 DC
	< 22
	red light 660 nm
	III
	yes
	light-on / dark-on programmable
	< 2.5
	200
	yes (non-latching)
	yes
	2000
	1...600 (Range referred to white paper 200 x 200 mm, 90 % remission)
	60 (at maximum range)

OJ5100 - 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]	867
Mechanical data	
Housing materials	housing: ABS; LED window: SEPS; pushbutton: SEPS
Lens material	glass
Weight [kg]	0.044
Displays / operating elements	
Output status indication LED	yellow
Power LED	green
Function display LED	red
Electrical connection	
Connection	M8 connector

Wiring



2: Teach

Accessories	
Accessories (included)	2 mounting screws; 2 spring washers; 2 nuts
Remarks	
Remarks	cULus - Class 2 source required
Pack quantity [piece]	1