

1: pushbutton



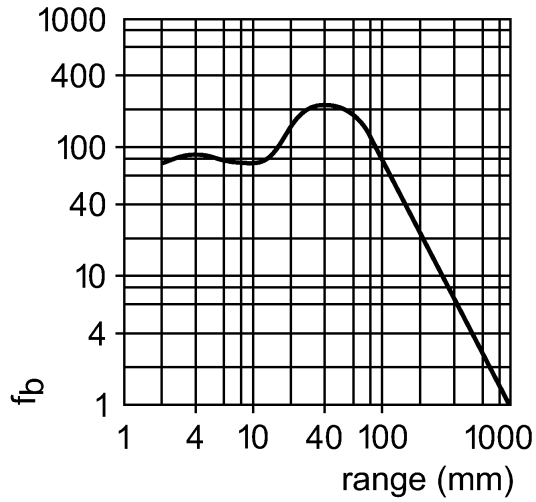
Product characteristics
Diffuse reflection sensor
Rectangular, plastics
Quick disconnect
Electronic lock
External teach function

Front sensing
Range 1...1000mm (Range referred to white paper 200 x 200 mm, 90 % remission)
adjustable

Electrical data		DC PNP
Electrical design		DC PNP
Operating voltage [V]		10...30 DC
Current consumption [mA]		< 32
Type of light		Infrared light 880 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...1000 (Range referred to white paper 200 x 200 mm, 90 % remission)
Light spot diameter [mm]		150 (at maximum range)

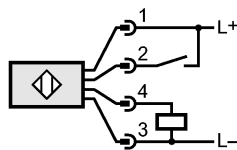
Excess gain graphs

OJ5070 - 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]	864
Mechanical data	
Housing materials	housing: ABS; fixture: diecast zinc; LED window: SEPS; pushbutton: SEPS
Lens material	glass
Weight [kg]	0.047
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)	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