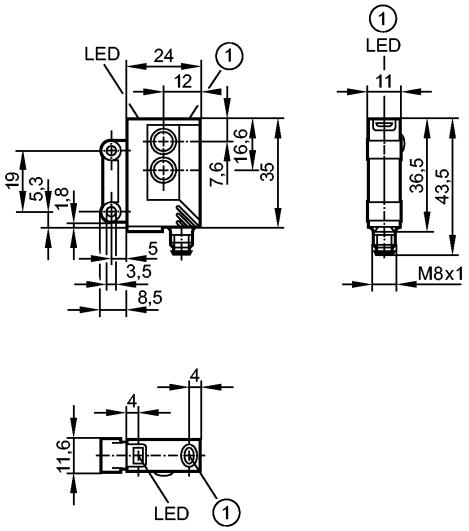
efector200

OJ5100

OJB-FPKG/FO/AS

Photoelectric sensors



1: pushbutton

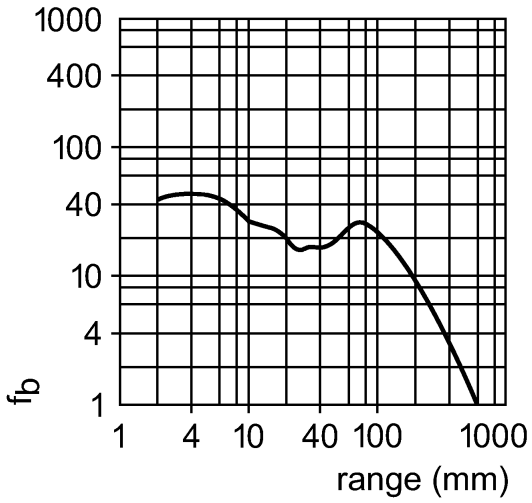
Product characteristics		
Diffuse reflection sensor		
Rectangular, plastics		
Quick disconnect		
Electronic lock		
External teach function		
Front sensing		
Range 1...600mm (Range referred to white paper 200 x 200 mm, 90 % remission)		
adjustable		
Electrical data		
Electrical design		DC PNP
Operating 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		
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

OJ5100

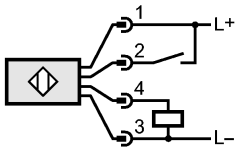
OJB-FPKG/FO/AS

Photoelectric sensors



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