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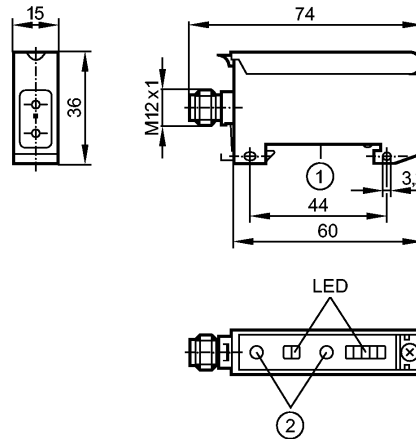
**efector200**

OB5013



OBF-FPKG/T/US-100

Photoelectric sensors



- 1: Mounting on DIN rail
- 2: setting pushbuttons



**Product characteristics**

Fiber-optic amplifier
Rectangular, plastics
Quick disconnect
For fiber optics with plastic sheath
Series FE/FT-11
Function check output
Sensing range 0...1200mm (Through-beam sensor)
Range 0...70mm (Diffuse reflection sensor)
adjustable

**Electrical data**

Electrical design	DC PNP
Operating voltage [V]	10...36 DC
Current consumption [mA]	35 (36 V)
Type of light	red light 660 nm
Protection class	II
Reverse polarity protection	yes

**Outputs**

Output function	light-on / dark-on programmable
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**Voltage drop**

- Switching output [V]	< 2.5
- Function check output [V]	< 3.5

**Current rating**

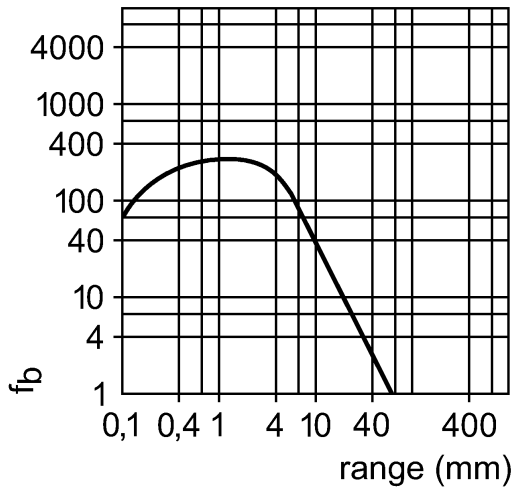
- Switching output [mA]	100
- Function check output [mA]	10

Short-circuit protection	yes (non-latching)
Overload protection	yes
Switching frequency [Hz]	500
Timer [s]	0.002...0.09

**Monitoring range**

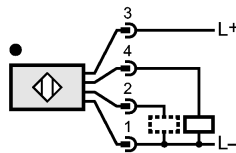
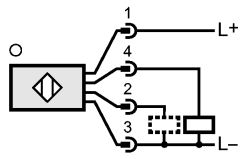
Sensing range [m]	0...1.2 (Through-beam sensor)
Range [mm]	0...70 (Diffuse reflection sensor)

**Excess gain graphs**



Environment		
Ambient temperature	[°C]	-25...60
Protection		IP 65
Tests / approvals		
EMC		EN 60947-5-2
Mechanical data		
Housing materials		modified PPE
Weight	[kg]	0.061
Displays / operating elements		
Output status indication	LED	yellow
Power	LED	green
Unsafe zone	LED	red
Excess gain	LED	4 x green
Electrical connection		
Connection		M12 connector

**Wiring**



2: function check

Remarks

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When through-beam fibre optics are connected light-on mode means the output function "NC" and when diffuse reflection fibre optics are connected the output function "NO".  
 When through-beam fibre optics are connected dark-on mode means the output function "NO" and when diffuse reflection fibre optics are connected the output function "NC"  
 cULus - Class 2 source required

Pack quantity [piece]

1