

OB5014



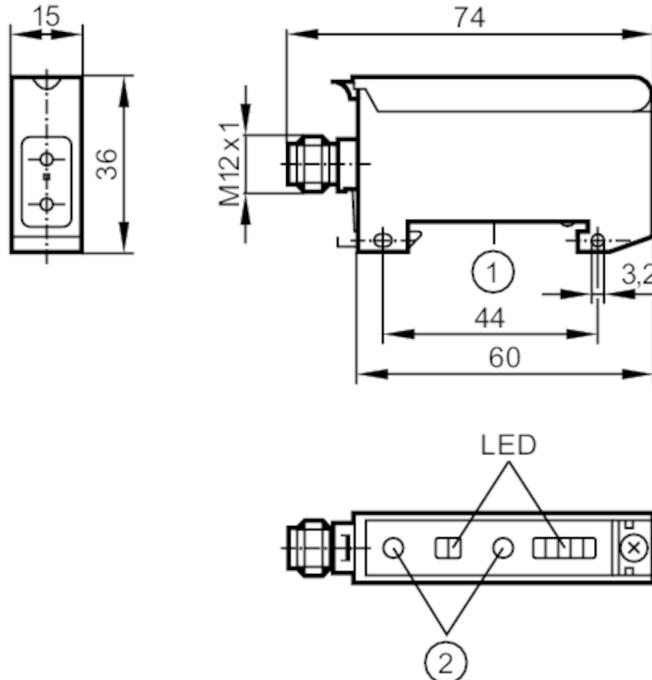
Fibre-optic amplifier

OBF-FNKG/T/US-100

Article no longer available - archive entry

Alternative articles: OBF500

When selecting an alternative article and accessories please note that technical data may differ!



- 1 mounting on DIN rail
2 setting pushbuttons

Product characteristics

Type of light	red light
Housing	rectangular

Application

Special feature	Function check output
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Electrical data

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

Outputs

Electrical design	NPN
Output function	light-on/dark-on mode; (parameterisable)
Max. voltage drop switching output DC [V]	2.5
Function check output	yes
Max. voltage drop of function check output [V]	3.5

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Max. current load for function [mA]		10
check output		
Permanent current rating of switching output DC [mA]		100
Switching frequency DC [Hz]		500
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes
Time function [s]		0.002...0.09
Detection zone		
Range [m]		0...1.2; (Through-beam sensor)
Range [mm]		0...70; (Diffuse reflection sensor)
Range adjustable		yes
Operating conditions		
Ambient temperature [°C]		-25...60
Protection		IP 65
Tests / approvals		
EMC	EN 60947-5-2	
	EN 55011	class B
Mechanical data		
Housing		rectangular
Dimensions [mm]		36 x 15 x 60
Materials		PPE modified
Displays / operating elements		
Display	switching status	1 x LED, yellow
	operation	1 x LED, green
	unsafe zone	1 x LED, red
	excess gain	4 x LED, green
Remarks		
Remarks	light-on mode corresponds to the NC output function for through-beam fibre optics	
	corresponds to the NO output function for diffuse-reflection fibre optics	
	dark-on mode corresponds to the NO output function for through-beam fibre optics	
	corresponds to the NC output function for diffuse-reflection fibre optics	
	operating voltage "supply class 2" according to cULus	
Pack quantity		1 pcs.
Electrical connection		
Connector: 1 x M12; coding: A		



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Connection



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Function check output

Diagrams and graphs

excess gain graph

