OB5024

Fiber-optic amplifier

OBF-FPKG/T/AS-610

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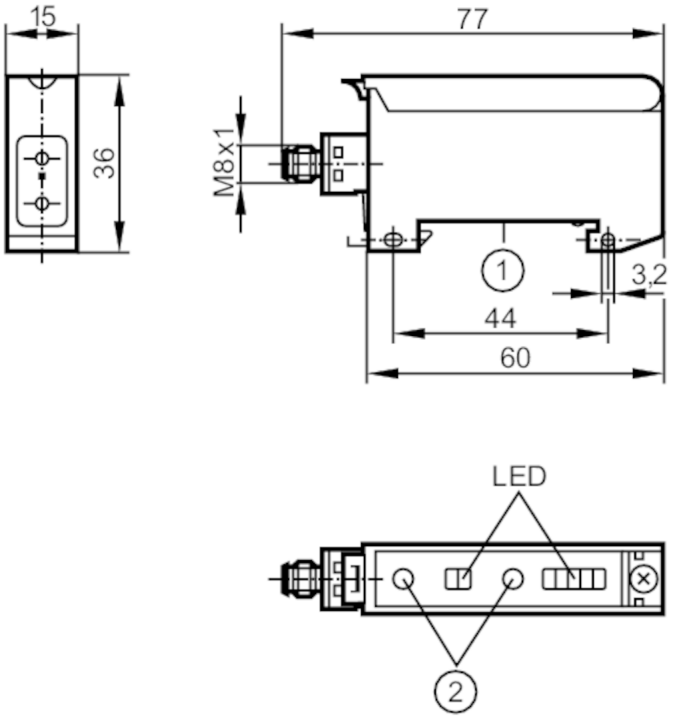
Alternative articles: OBF501

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		
System		Function check output
Electrical data		
Operating voltage	[V]	10...36 DC
Current consumption	[mA]	35; ((24 V))
Protection class		III
Reverse polarity protection		yes
Type of light		red light
Wave length	[nm]	660
Outputs		
Electrical design		PNP
Output function		light-on/dark-on mode; (configurable)
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 check output	[mA]	10	
Permanent current rating of switching output DC	[mA]	100	
Switching frequency DC	[Hz]	500	
Short-circuit protection		yes	
Type of short-circuit protection		yes (non-latching)	
Overload protection		yes	
Time function	[s]	0.002...0.09	
Monitoring range			
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	
Material		ABS	
Displays / operating elements			
Display		Switching status	1 x LED, yellow
		Power	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 fibers	
		corresponds to the NO output function for diffuse-reflection fibers	
		dark-on mode corresponds to the NO output function for through-beam fibers	
		corresponds to the NC output function for diffuse-reflection fiber optics	
Pack quantity		1 pcs.	

Electrical connection

Connector: 1 x M8; coding: A

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Connection

2 Function check output

Diagrams and graphs

excess gain graph