

OB5019



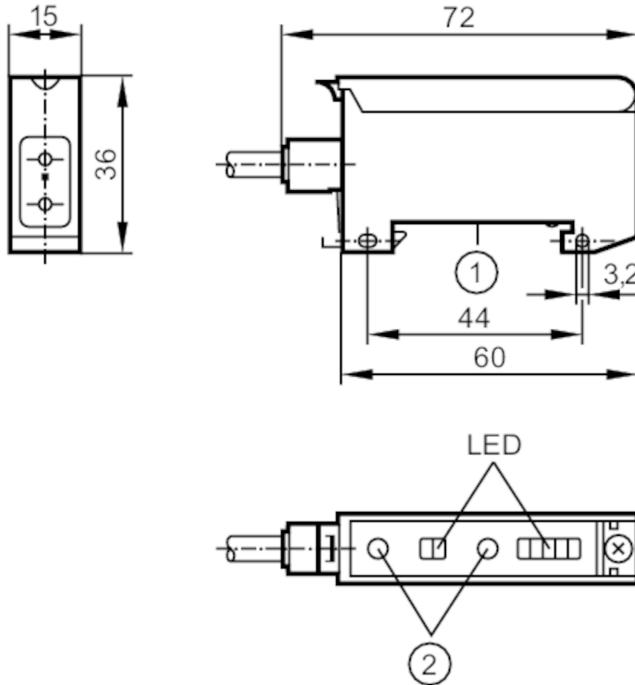
Fiber-optic amplifier

OBF-FPKG

Article no longer available - archive entry

Alternative articles: OBF502

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

Electrical data

Operating voltage [V]	10...30 DC
Current consumption [mA]	35; ((24 V))
Protection class	II
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
Permanent current rating of switching output DC [mA]	100
Switching frequency DC [Hz]	500
Short-circuit protection	yes

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Type of short-circuit protection	yes (non-latching)
Overload protection	yes
Monitoring range	
Range [m]	0...1; (Through-beam sensor)
Range [mm]	0...50; (Diffuse reflection sensor)
Range adjustable	yes
Operating conditions	
Ambient temperature [°C]	-25...60
Protection	IP 65
Tests / approvals	
EMC	EN 60947-5-2
Mechanical data	
Housing	rectangular
Dimensions [mm]	36 x 15 x 60
Material	\$3SGLWE
Displays / operating elements	
Display	Switching status 1 x LED, yellow Power 1 x LED, green Unsafe zone 1 x LED, red
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 cULus - Class 2 source required
Pack quantity	1 pcs.
Electrical connection	
Cable: 2 m, PVC; 3 x 0.34 mm ²	
Connection	
<p>The diagram shows a through-beam sensor setup. A light source (represented by a triangle with a double-headed arrow) is connected to the BN terminal. The receiver (represented by a rectangle with a double-headed arrow) is connected to the BK terminal. The BN terminal is also connected to the L+ terminal. The BK terminal is connected to the BU terminal, which is further connected to the L- terminal.</p>	
<p>The diagram shows a diffuse reflection sensor setup. A light source (represented by a dot) is connected to the BU terminal. The receiver (represented by a rectangle with a double-headed arrow) is connected to the BK terminal. The BU terminal is also connected to the BN terminal, which is further connected to the L- terminal.</p>	
Core colors : BN = brown BU = blue BK = black	