

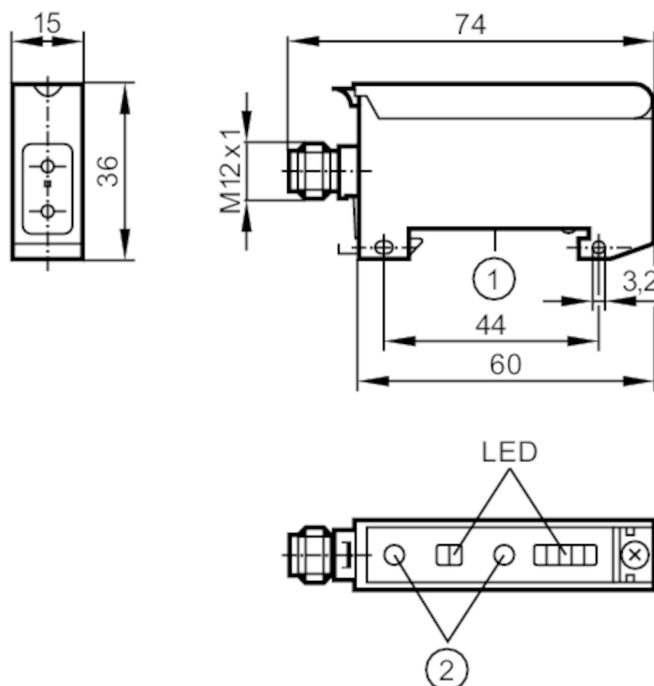
Fiber-optic amplifier

OBF-FNKG/T/US

Article no longer available - archive entry

Alternative articles: OBF504

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
Design	for fibers with metal sheath FE/FT-50

Electrical data

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

Outputs

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



Fiber-optic amplifier

OBF-FNKG/T/US

Max. voltage drop of function check output	[V]	3.5
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; (Through-beam sensor)
Range	[mm]	0...150; (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
Lens material		PMMA

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

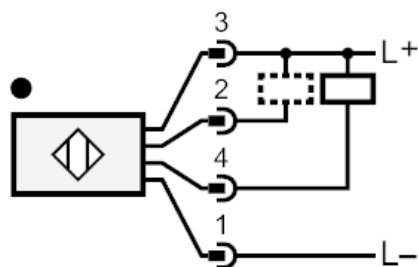
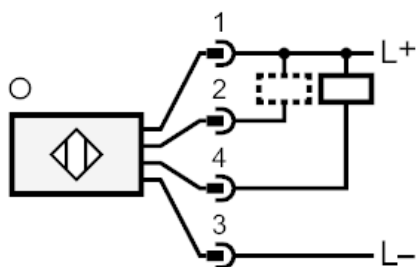
Remarks	light-on mode corresponds to the NC output function for through-beam fibers
	corresponds to the NO output function for diffuse-reflection fibers
	dark-on mode corresponds to the NO output function for through-beam fibers
	corresponds to the NC output function for diffuse-reflection fiber optics
Pack quantity	1 pcs.

**Fiber-optic amplifier**

OBF-FNKG/T/US

Electrical connection

Connector: 1 x M12; coding: A

**Connection**

2

Function check output