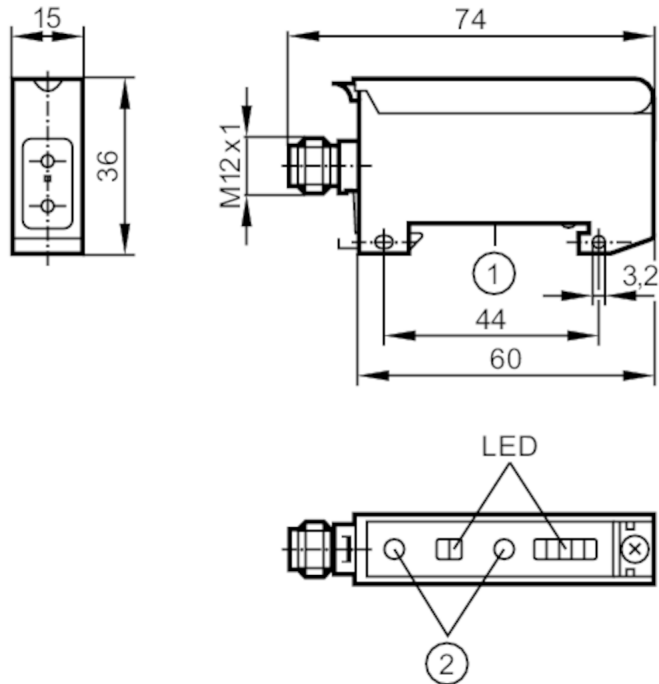


OBF504



Fiber-optic amplifier

OBF-FAKG/T/US



- 1 Mounting on DIN rail
2 setting pushbuttons



Product characteristics

Type of light	red light
Housing	rectangular

Application

System	Function check output
Design	Fiber optic amplifiers for glass fibers, Type OBF, for fibers with metal sheath, FE/FT-50

Electrical data

Operating voltage [V]	10...30 DC
Current consumption [mA]	< 50
Protection class	III
Reverse polarity protection	yes
Type of light	red light

Outputs

Electrical design	PNP/NPN; (Automatic load detection PNP/NPN)
Output function	light-on/dark-on mode; (programmable)
Max. voltage drop switching output DC [V]	2.5
Function check output	yes
Max. voltage drop of function check output [V]	2.5
Max. current load for function check output [mA]	10

OBF504



Fiber-optic amplifier

OBF-FAKG/T/US

Permanent current rating of switching output DC	[mA]	100
Switching frequency DC	[Hz]	1000
Short-circuit protection		yes
Type of short-circuit protection		yes (non-latching)
Overload protection		yes
Time function	[s]	0.001...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
MTTF	[years]	806

Mechanical data

Weight	[g]	46.9
Housing		rectangular
Dimensions	[mm]	36 x 15 x 60
Material		PPE modified
Lens alignment		Side sensing

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
	cULus - Class 2 source required
Pack quantity	1 pcs.

Electrical connection

Connector: 1 x M12; coding: A

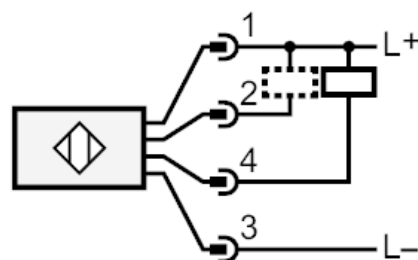
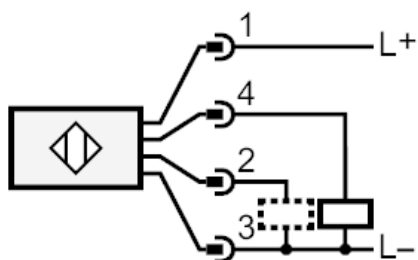




Fiber-optic amplifier

OBF-FAKG/T/US

Connection



2

Function check output