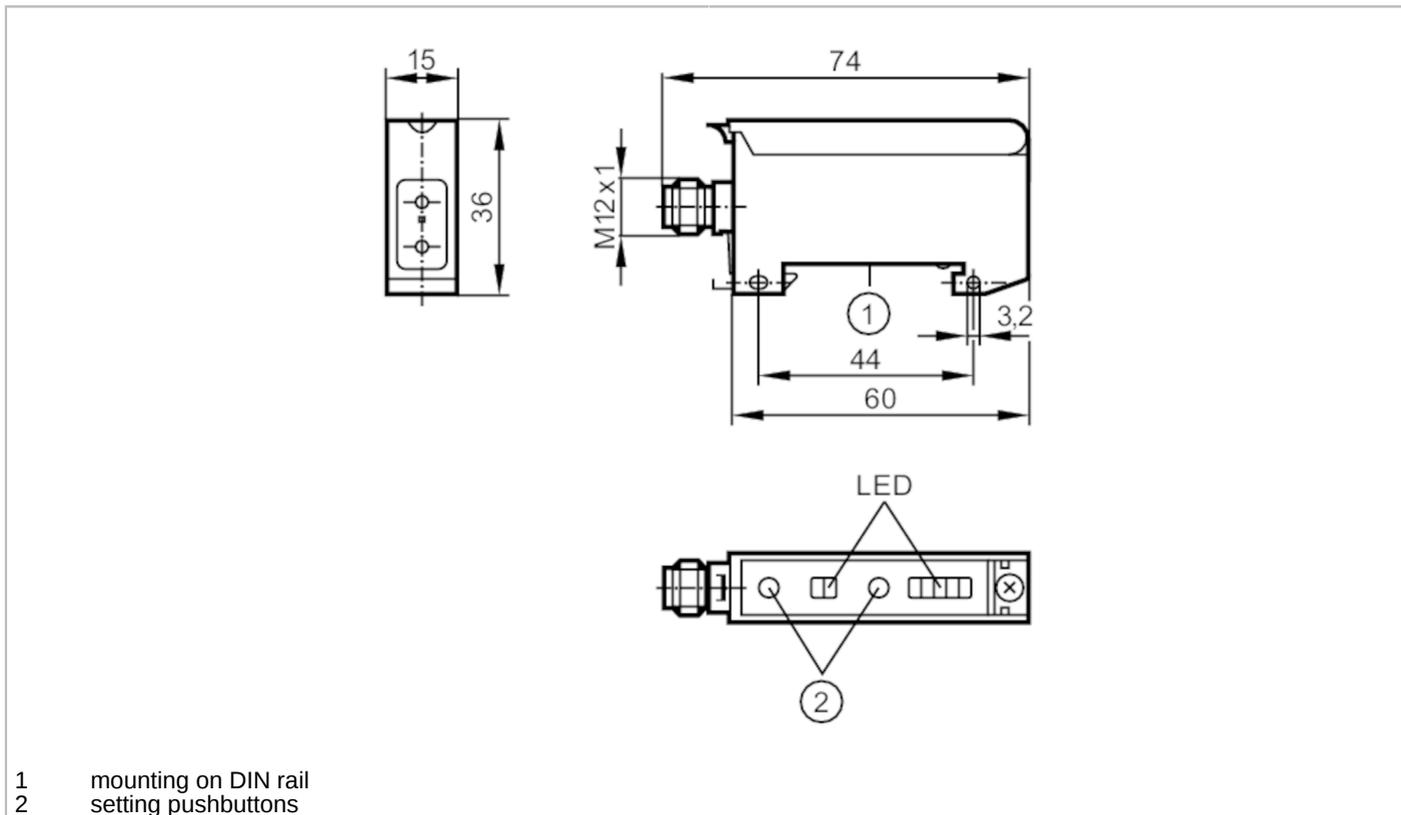


OBF504



Fibre-optic amplifier

OBF-FAKG/T/US



Product characteristics	
Type of light	red light
Housing	rectangular
Application	
Special feature	Function check output
Design	Fibre-optic amplifiers for glass fibre optics, for fibre optics 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

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Fibre-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		pulsed
Overload protection		yes
Time function	[s]	0.001...0.09

Detection zone

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
Type of mounting		mounting on DIN rail; (TH35 (EN 60715))
Dimensions	[mm]	36 x 15 x 60
Number of channels		1
Materials		housing: 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.

OBF504



Fibre-optic amplifier

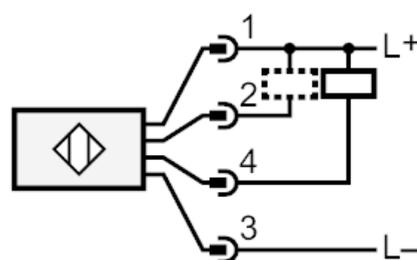
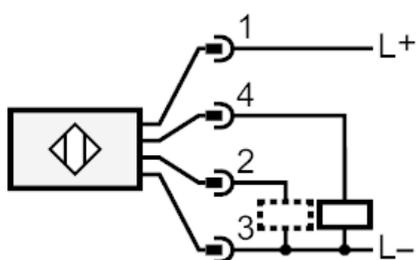
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Electrical connection

Connector: 1 x M12; coding: A



Connection



2

Function check output