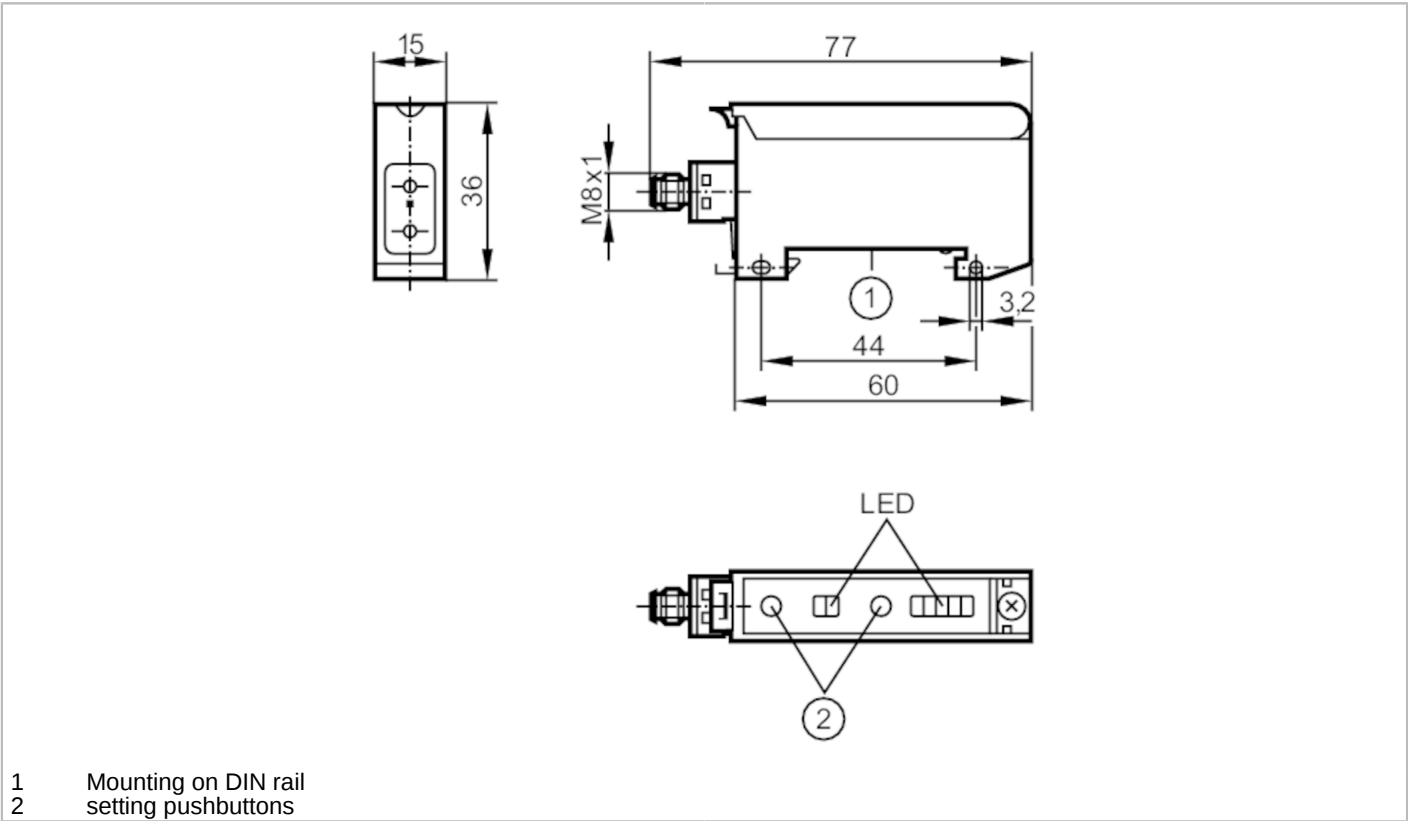


OBF505



Fiber-optic amplifier

OBF-FAKG/T/AS



- 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

OBF505



Fiber-optic amplifier

OBF-FAKG/TIAS

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]	47.8
Housing		rectangular
Type of mounting		Mounting on DIN rail; (TH35 (EN 60715))
Dimensions	[mm]	36 x 15 x 60
Number of channels		1
Material		housing: PPE modified
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.

OBF505

Fiber-optic amplifier

OBF-FAKG/T/AS

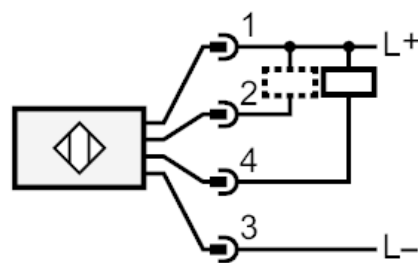
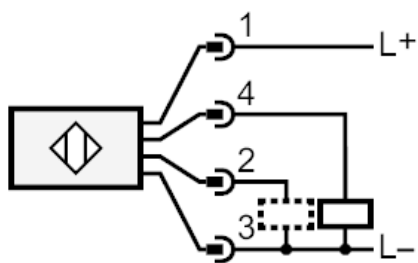


Electrical connection

Connector: 1 x M8; coding: A



Connection



2 Function check output