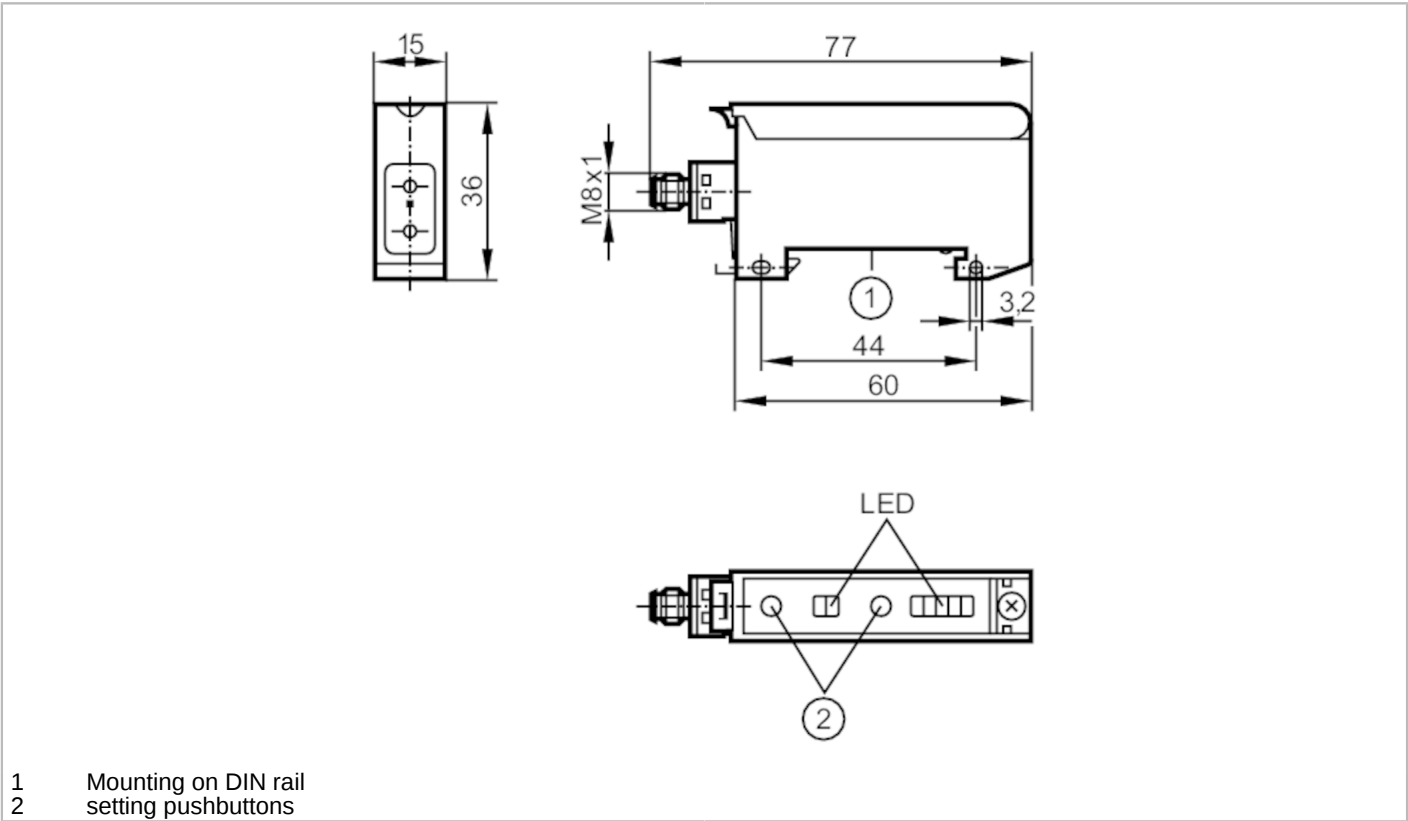


OBF507



Fiber-optic amplifier

OBF-FAKG/T/AS



Product characteristics		
Type of light	red light	
Housing	rectangular	
Application		
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
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)

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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]		837	
Mechanical data			
Weight [g]		47.8	
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	
Pack quantity		1 pcs.	

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Electrical connection

Connector: 1 x M8; coding: A

