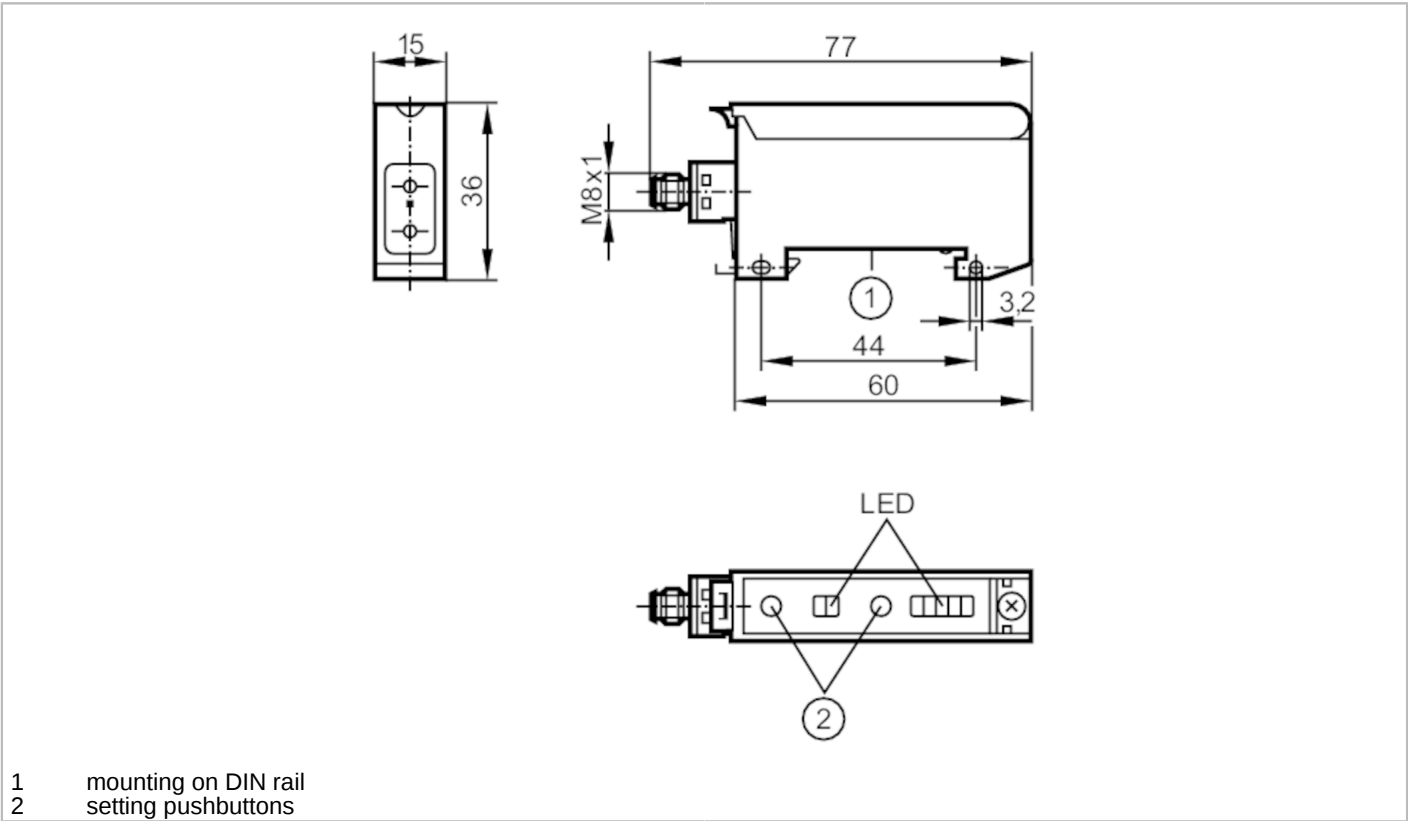


OBF506



Fibre-optic amplifier

OBF-FAKG/T/AS



Product characteristics		
Type of light	infrared light	
Housing	rectangular	
Application		
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		infrared light
Wave length	[nm]	880
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]	500
Short-circuit protection		yes

OBF506



Fibre-optic amplifier

OBF-FAKG/TIAS

Type of short-circuit protection	pulsed	
Overload protection	yes	
Time function [s]	0.001...0.09	
Detection zone		
Range [m]	0...0.4; (Through-beam sensor)	
Range [mm]	0...40; (Diffuse reflection sensor)	
Factory setting	dark-on mode	
	Range: 0...400 mm	
	Range: 0...40 mm	
Range adjustable	yes	
Operating conditions		
Ambient temperature [°C]	-25...60	
Protection	IP 65	
Tests / approvals		
EMC	EN 60947-5-2	
MTTF [years]	860	
Mechanical data		
Weight [g]	47.8	
Housing	rectangular	
Dimensions [mm]	36 x 15 x 60	
Materials	PPE modified	
Lens alignment	side lens	
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	
Pack quantity	1 pcs.	

OBF506



Fibre-optic amplifier

OBF-FAKG/TIAS

Electrical connection

Connector: 1 x M8; coding: A

