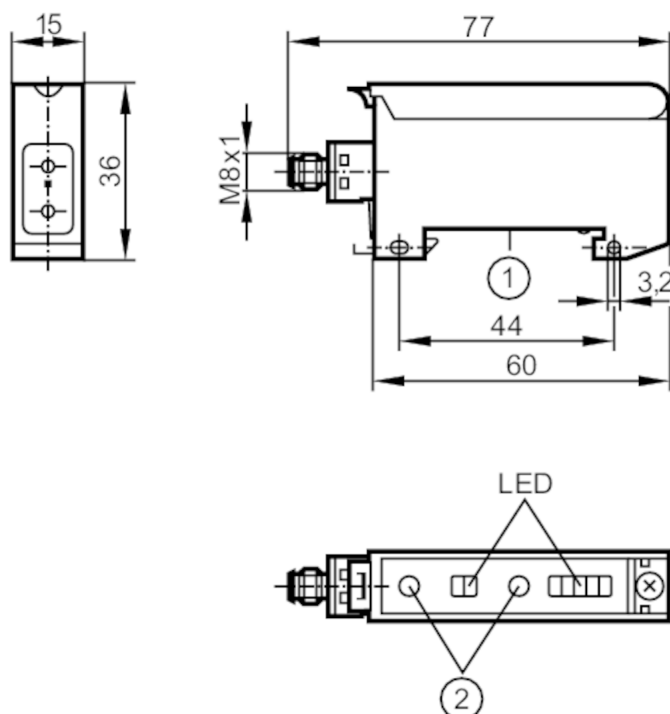


OBF506



Fibre-optic amplifier

OBF-FAKG/T/AS



- 1 mounting on DIN rail
2 setting pushbuttons



Application

Design 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
Type of short-circuit protection		pulsed
Overload protection		yes
Time function	[s]	0.001...0.09

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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]	834	
Mechanical data			
Weight	[g]	64.6	
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.		
Electrical connection			
Connector: 1 x M8			
			

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