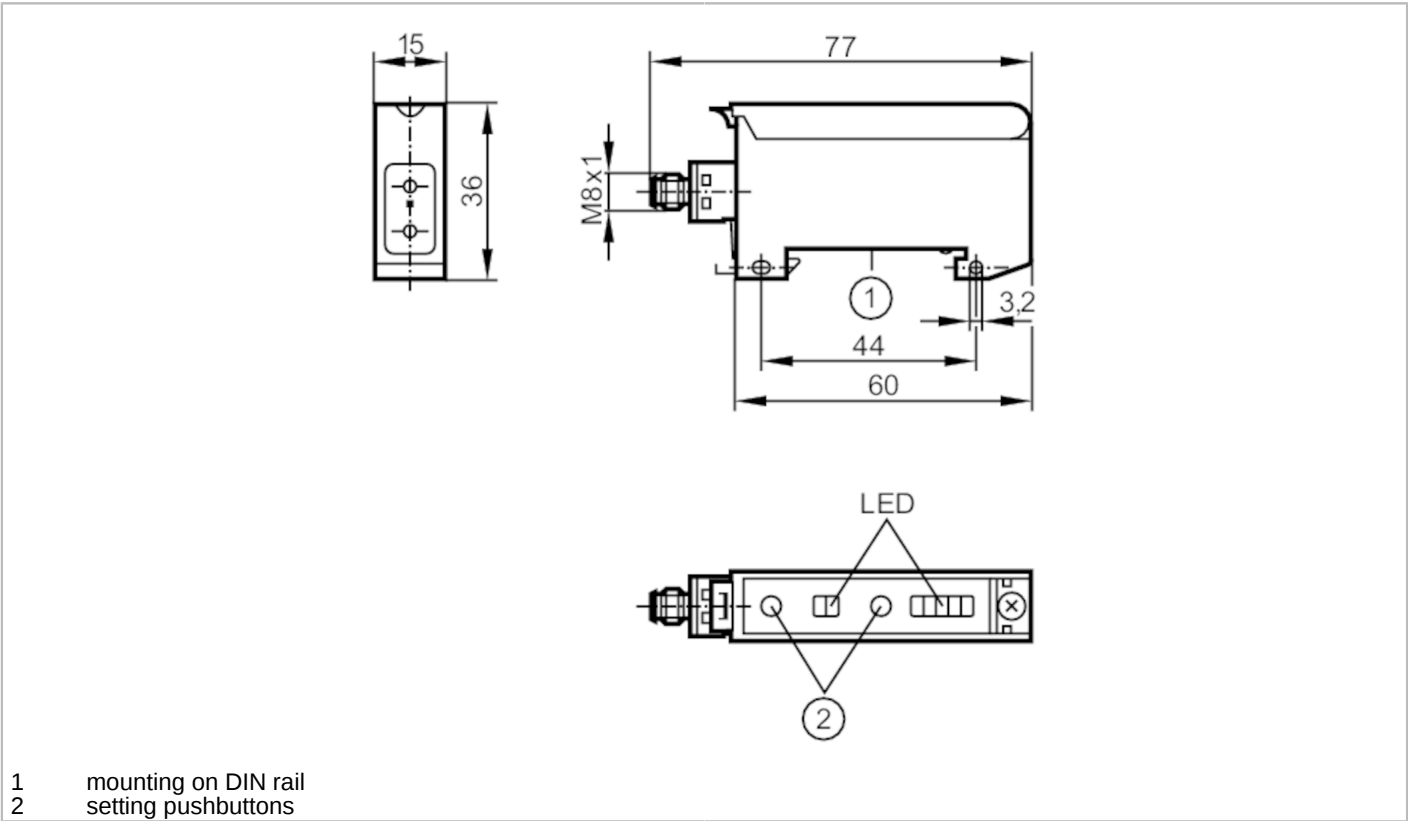


OBF503



Fibre-optic amplifier

OBF-FAKG/T/AS



Product characteristics		
Type of light		red light
Housing		rectangular
Application		
Design		Оптоволоконні підсилювачі для акрилового оптоволокна
Electrical data		
Operating voltage	[V]	10...30 DC
Current consumption	[mA]	< 50
Protection class		III
Reverse polarity protection		yes
Type of light		red light
Wave length	[nm]	630
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]	3000
Short-circuit protection		yes

OBF503



Fibre-optic amplifier

OBF-FAKG/TIAS

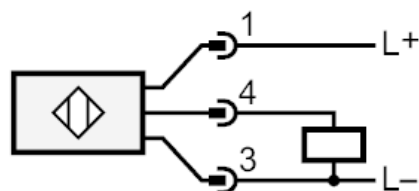
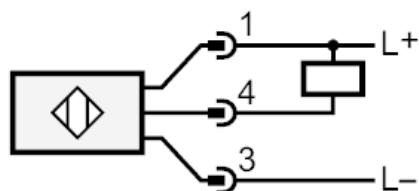
Type of short-circuit protection	pulsed	
Overload protection	yes	
Time function	[s]	0.001...0.09
Detection zone		
Range	[m]	0...2; (Through-beam sensor)
Range	[mm]	0...100; (Diffuse reflection sensor)
Range adjustable	yes	
Operating conditions		
Ambient temperature	[°C]	-25...60
Protection	IP 65	
Tests / approvals		
EMC	EN 60947-5-2	
MTTF	[ANN]	837
Mechanical data		
Weight	[g]	48
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	
	operating voltage "supply class 2" according to cULus	
Pack quantity	1 pcs.	

Fibre-optic amplifier

OBF-FAKG/TIAS

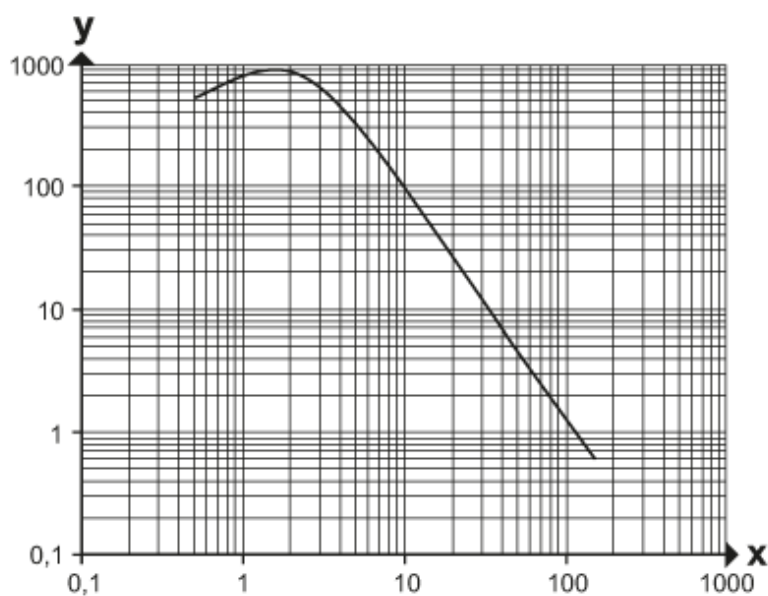
Electrical connection

Connector: 1 x M8; coding: A



Diagrams and graphs

excess gain graph



x: Abstand [mm]

y: Funktionsreservefaktor