

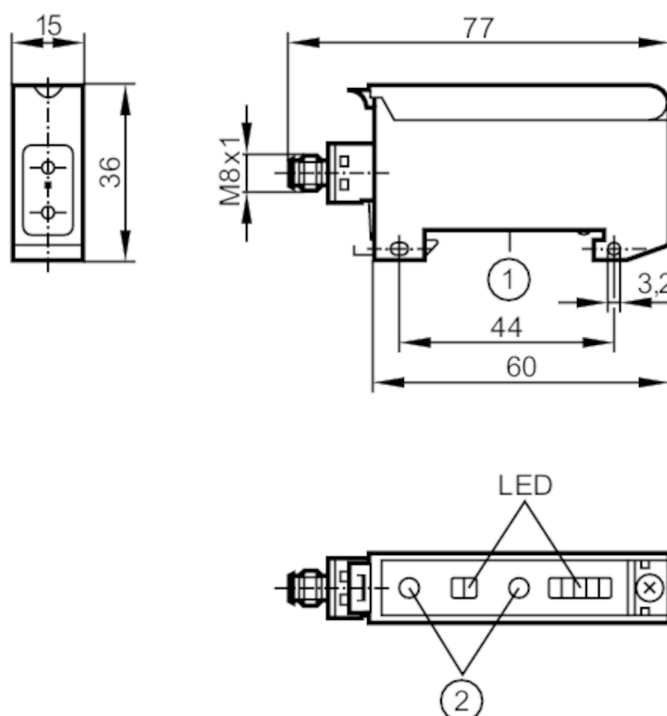
Fibre-optic amplifier

OBF-FPKG/T/AS-610

Article no longer available - archive entry

Alternative articles: OBF501

When selecting an alternative article and accessories please note that technical data may differ!



- 1 mounting on DIN rail
2 setting pushbuttons

Product characteristics

Type of light	red light
Housing	rectangular

Application

Special feature	Function check output
-----------------	-----------------------

Electrical data

Operating voltage [V]	10...36 DC
Current consumption [mA]	35; ((24 V))
Protection class	III
Reverse polarity protection	yes
Type of light	red light
Wave length [nm]	660

Outputs

Electrical design	PNP
Output function	light-on/dark-on mode; (parameterisable)
Max. voltage drop switching output DC [V]	2.5
Function check output	yes
Max. voltage drop of function check output [V]	3.5



Fibre-optic amplifier

OBF-FPKG/T/AS-610

Max. current load for function check output [mA]	10
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]	0.002...0.09

Detection zone

Range [m]	0...1.2; (Through-beam sensor)
Range [mm]	0...70; (Diffuse reflection sensor)
Range adjustable	yes

Operating conditions

Ambient temperature [°C]	-25...60
Protection	IP 65

Tests / approvals

EMC	EN 60947-5-2	
	EN 55011	class B

Mechanical data

Housing	rectangular
Dimensions [mm]	36 x 15 x 60
Materials	ABS

Displays / operating elements

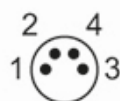
Display	switching status	1 x LED, yellow
	operation	1 x LED, green
	unsafe zone	1 x LED, red
	excess gain	4 x LED, green

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; coding: A



Fibre-optic amplifier

OBF-FPKG/T/AS-610

Connection



2 Function check output

Diagrams and graphs

excess gain graph

