

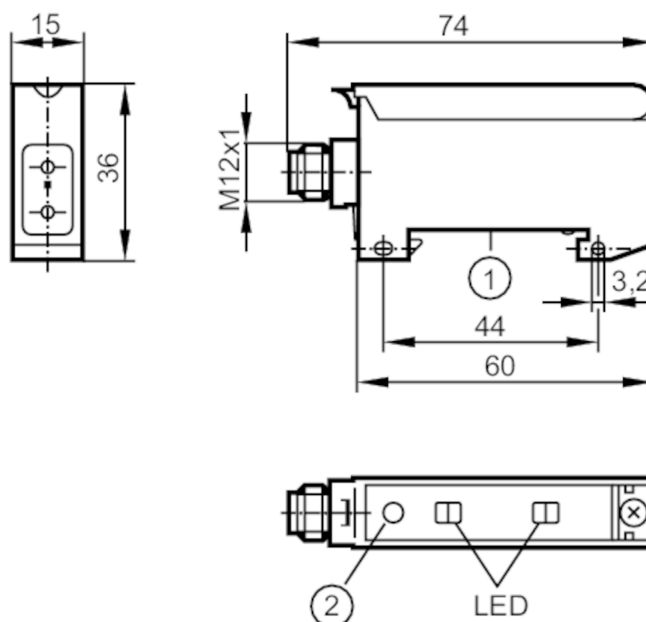
Fibre-optic amplifier

OBF-FNKG/US-100

Article no longer available - archive entry

Alternative articles: OBF500

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



- 1 mounting on DIN rail
 2 setting pushbuttons
 receiver in upper lens
 transmitter in lower lens

Product characteristics

Type of light	red light
Housing	rectangular

Electrical data

Operating voltage	[V]	10...30 DC
Current consumption	[mA]	35; ((24 V))
Protection class		II
Reverse polarity protection		yes
Type of light		red light
Wave length	[nm]	660

Outputs

Electrical design		NPN
Output function		light-on/dark-on mode; (parameterisable)
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



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Overload protection	yes
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Detection zone

Range [m]	0...1; (Through-beam sensor)
Range [mm]	0...50; (Diffuse reflection sensor)
Range adjustable	yes

Operating conditions

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

Tests / approvals

EMC	EN 60947-5-2
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Mechanical data

Housing	rectangular
Dimensions [mm]	36 x 15 x 60
Materials	PPE modified

Displays / operating elements

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

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.

Electrical connection

Connector: 1 x M12; coding: A



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Connection

