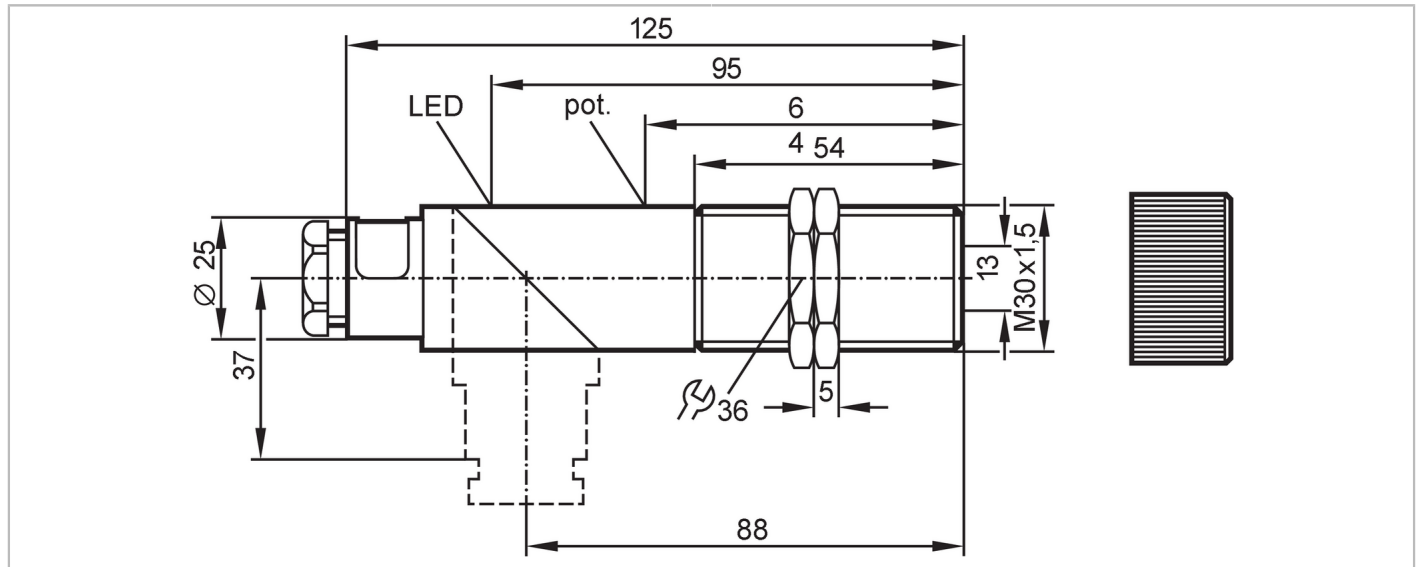




Product characteristics

Type of light	Infrared light
Housing	Threaded type

Application

Application	Industrial applications
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Electrical data

Operating voltage	[V]	10...55 DC; (cULus - Class 2 source required)
Current consumption	[mA]	30; ((24 V))
Protection class		II
Reverse polarity protection		yes
Type of light		Infrared light
Wave length	[nm]	880

Outputs

Electrical design	PNP
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]	250
Switching frequency DC [Hz]	100
Short-circuit protection	yes
Type of short-circuit protection	yes (non-latching)
Overload protection	yes

Monitoring range

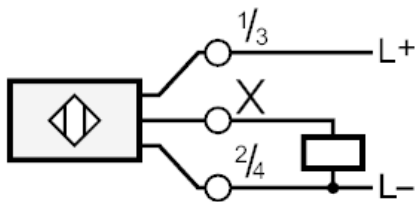
Range	[m]	< 0.3
Range	[mm]	< 70
Range adjustable		yes



Fiber-optic amplifier

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Operating conditions		
Ambient temperature	[°C]	-25...80
Protection		IP 65
Tests / approvals		
EMC	EN 60947-5-2	
MTTF	[years]	659
UL approval	Ta	< 40 °C
	Enclosure type	Type 1
	voltage supply	Class 2
	UL approval number	E031
	File number UL	E174191
Mechanical data		
Weight	[g]	125.5
Housing		Threaded type
Dimensions	[mm]	M30 x 1.5 / L = 125
Thread designation		M30 x 1.5
Number of channels		1
Material		PPO modified; PBT
Lens material		
Displays / operating elements		
Display	Switching status	1 x LED, yellow
Accessories		
Items supplied	lock nuts: 2	
	screwdrivers	
Remarks		
Remarks	light-on mode corresponds to the NC output function for through-beam fibers	
	corresponds to the NO output function for diffuse-reflection fibers	
	dark-on mode corresponds to the NO output function for through-beam fibers	
	corresponds to the NC output function for diffuse-reflection fiber optics	
Pack quantity		1 pcs.
Electrical connection		
terminals: ...1.5 mm ² ; Cable sheath: Ø 7...13 mm; Cable gland: M20 X 1.5		
Connection		

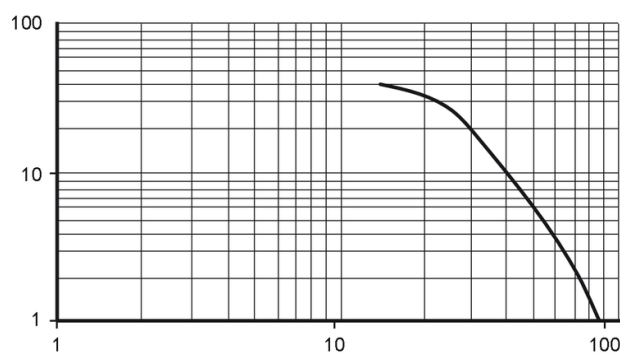


**Fiber-optic amplifier**

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Diagrams and graphs

excess gain graph



x: distance [mm]

y: excess gain factor