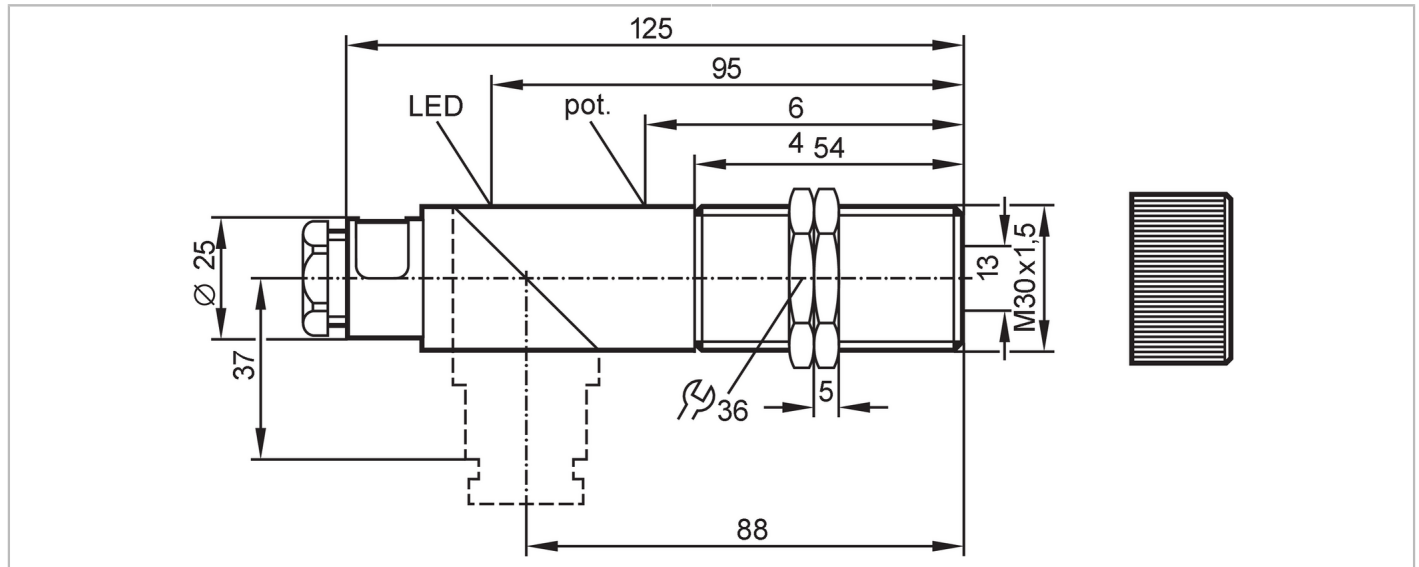




Product characteristics

Type of light	Infrared light
Housing	Threaded type

Application

Application	Industrial applications
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Electrical data

Operating voltage	[V]	20...250 AC/DC
Protection class		II
Reverse polarity protection		no
Type of light		Infrared light
Wave length	[nm]	880

Outputs

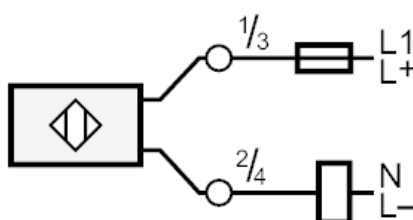
Output function		light-on/dark-on mode; (configurable)
Max. voltage drop switching output DC	[V]	10.5
Max. voltage drop switching output AC	[V]	10.5
Minimum load current	[mA]	15
Max. leakage current	[mA]	6
Permanent current rating of switching output AC	[mA]	250; (350 (...50 °C))
Permanent current rating of switching output DC	[mA]	250; (350 (...50 °C))
Short-time current rating of switching output	[mA]	2200; (10 ms / 0,5 Hz)
Switching frequency AC	[Hz]	25
Switching frequency DC	[Hz]	35
Short-circuit proof		no
Overload protection		no



Fiber-optic amplifier

OIF-FBOA

Monitoring range		
Range	[m]	< 0.3
Range	[mm]	< 70
Range adjustable		yes
Operating conditions		
Ambient temperature	[°C]	-25...80
Protection		IP 65
Tests / approvals		
EMC	EN 60947-5-2	
MTTF	[years]	309
Mechanical data		
Weight	[g]	122.5
Housing		Threaded type
Dimensions	[mm]	M30 x 1.5 / L = 125
Thread designation		M30 x 1.5
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	Recommendation: check the unit for reliable function after a short circuit. 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 mm²; Cable sheath: Ø 7...13 mm; Cable gland: M20 X 1.5		
Connection		



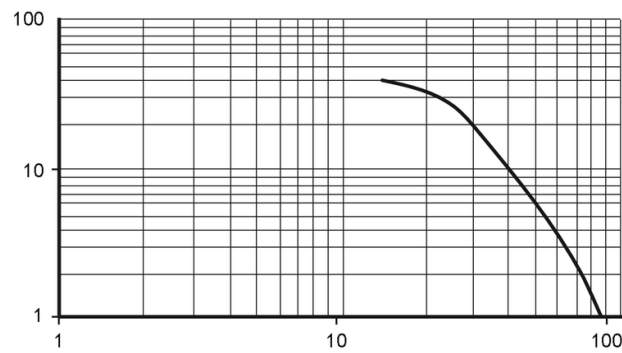
Note : miniature fuse to IEC60127-2 sheet 1 ≤ 2 A fast acting

**Fiber-optic amplifier**

OIF-FBOA

Diagrams and graphs

excess gain graph



x: distance [mm]

y: excess gain factor