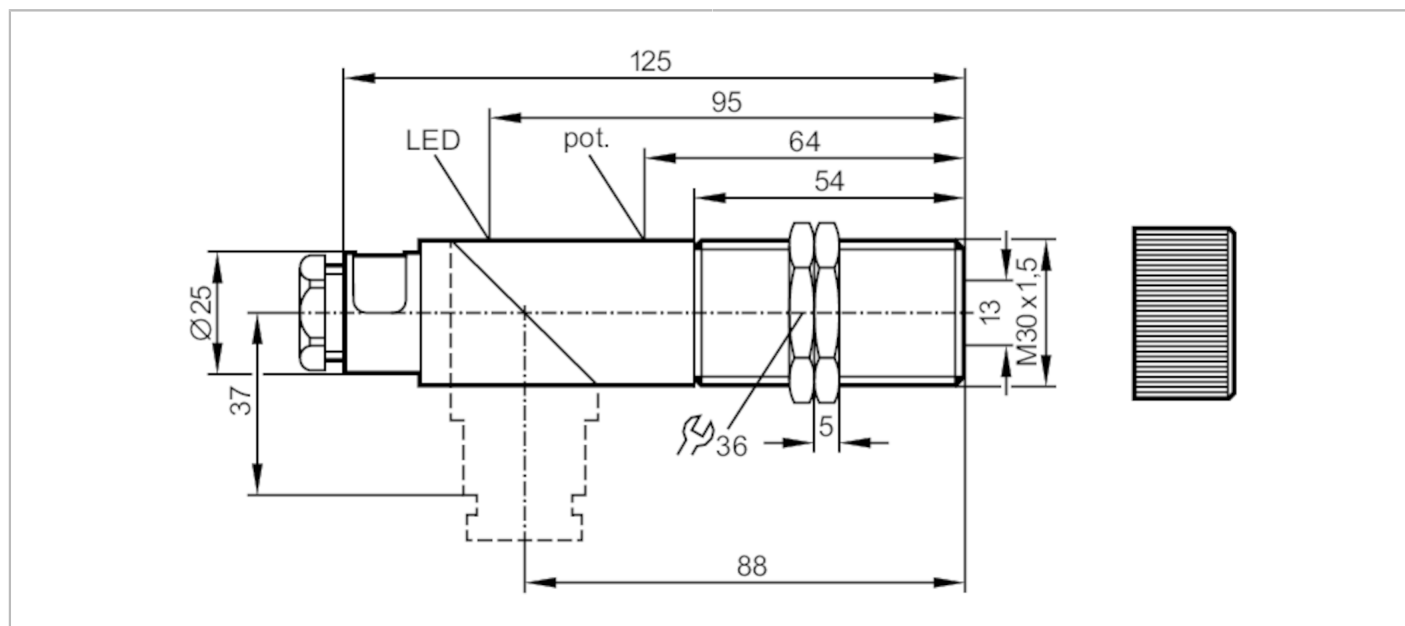


Fibre-optic amplifier

OIF-FBOA



Product characteristics

Type of light	infrared light
Housing	threaded type

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

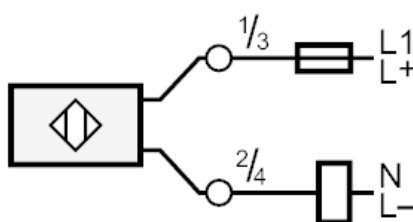
Output function	light-on/dark-on mode; (parameterisable)
Max. voltage drop switching output DC [V]	10.5
Max. voltage drop switching output AC [V]	10.5
Minimum load current [mA]	15
Max. leakage current [mA]	6
Permanent current rating of switching output AC [mA]	250; (350 (...50 °C))
Permanent current 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



Fibre-optic amplifier

OIF-FBOA

Detection zone		
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
Materials		PBT; PPO modified
Lens material		PMMA
Displays / operating elements		
Display	switching status	1 x LED, yellow
Accessories		
Items supplied		lock nuts: 2 screwdrivers
Remarks		
Remarks	Recommendation: Check the safe functioning of the unit after a short circuit. 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		
terminals: ...1.5 mm ² ; Cable sheath: Ø 7...13 mm; Cable gland: M20 X 1.5		
Connection		



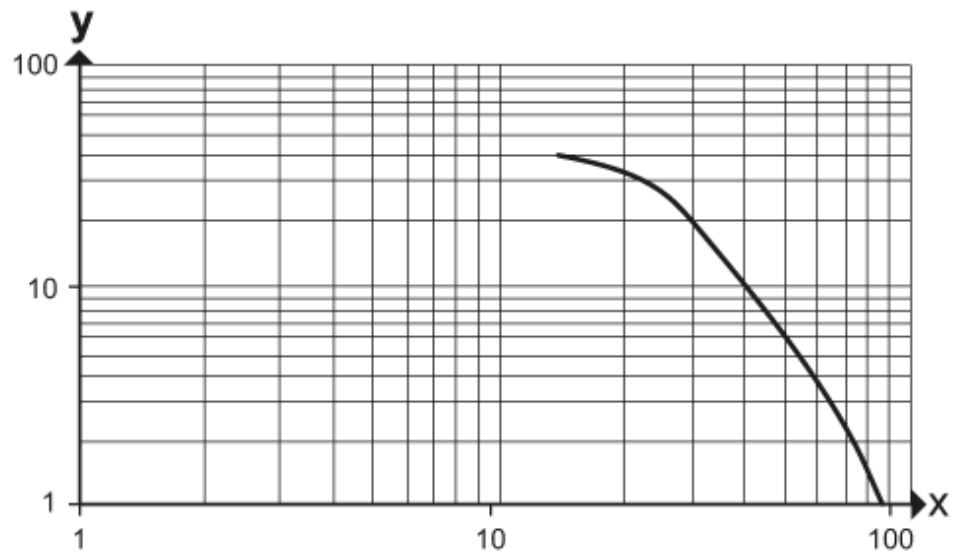
Note : miniature fuse to IEC60127-2 sheet 1 ≤ 2 A fast acting

Fibre-optic amplifier

OIF-FBOA

Diagrams and graphs

excess gain graph



x: distance [mm]

y: excess gain factor