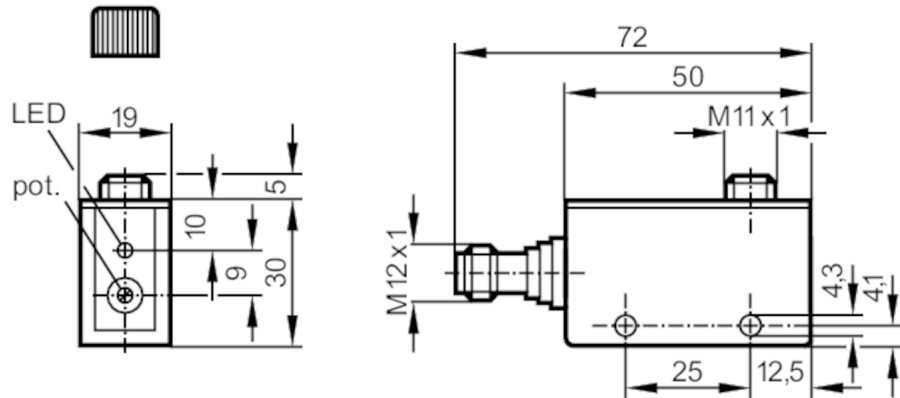




Fibre-optic amplifier

OKF-FNKG/US-100-DNF



Electrical data

Operating voltage	[V]	10...36 DC
Current consumption	[mA]	30; ((24 V))
Protection class		III
Reverse polarity protection		yes
Type of light		red light
Wave length	[nm]	660

Outputs

Electrical design		NPN
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]	120
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes

Detection zone

Range	[m]	0...0.12; (Through-beam sensor)
Range	[mm]	0...40; (Diffuse reflection sensor)
Range adjustable		yes

Operating conditions

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

Tests / approvals

EMC		EN 60947-5-2
MTTF	[years]	529



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Mechanical data		
Weight	[g]	65.6
Housing		rectangular
Dimensions	[mm]	50 x 19 x 35
Materials		PPO modified
Lens alignment		side lens

Displays / operating elements		
Display	switching status	1 x LED, yellow

Accessories		
Accessories (supplied)		screwdrivers
		screws: 2 x x M4 x 25
		washers: 2 x
		spring washers: 2 x
		Nuts: 2 x

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 M12



Connection

