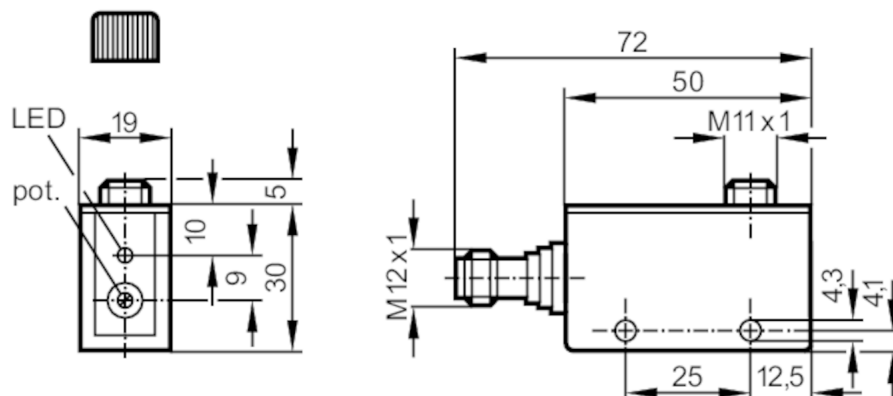




Fibre-optic amplifier

OKF-FNKG/US-100-DNF



Product characteristics

Type of light	red light
Housing	rectangular

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



Fibre-optic amplifier

OKF-FNKG/US-100-DNF

Tests / approvals

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

Mechanical data

Weight	[g]	66
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
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Accessories

Items supplied	screwdrivers
	screws: 2 x M4 x 25
	washers: 2
	spring washers: 2
	Nuts: 2

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; coding: A



Connection

