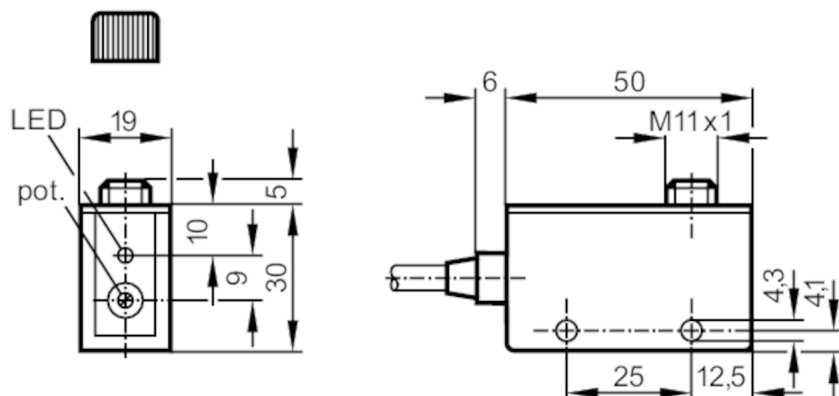




Fibre-optic amplifier

OKF-FNKG



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

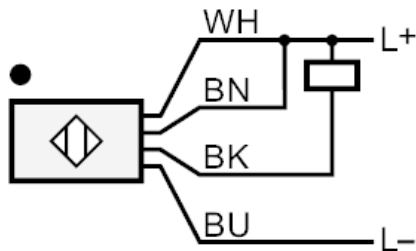
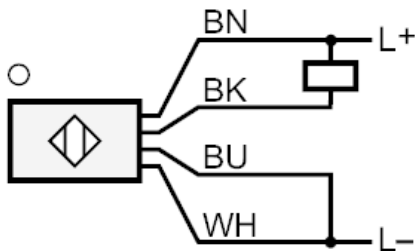
OK5002



Fibre-optic amplifier

OKF-FNKG

Tests / approvals		
EMC	EN 60947-5-2	
	EN 55011	class B
MTTF	[years]	529
Mechanical data		
Weight	[g]	150
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		
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		
Cable: 2 m, PVC; 4 x 0.34 mm ²		
Connection		



Core colours :
BN = brown
BU = blue
BK = black
WH = white