

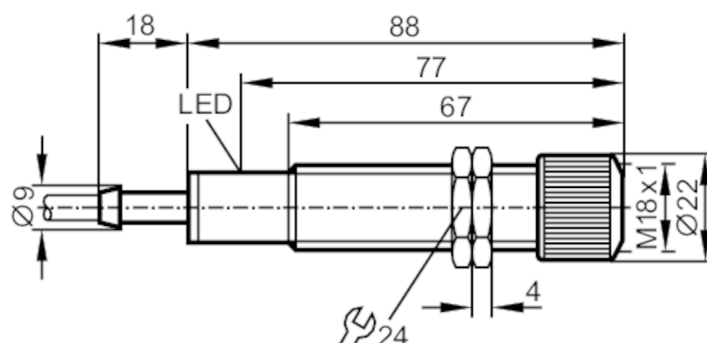
Fibre-optic amplifier

OGF-HNKG

Article no longer available - archive entry

Alternative articles: OK5002

When selecting an alternative article and accessories please note that technical data may differ!



Product characteristics

Type of light	infrared light
Housing	threaded type

Electrical data

Operating voltage	[V]	10...50 DC
Current consumption	[mA]	< 30
Protection class		II
Reverse polarity protection		yes
Type of light		infrared light
Wave length	[nm]	880

Outputs

Electrical design		NPN
Output function		light-on mode
Max. voltage drop switching output DC	[V]	2.5
Permanent current rating of switching output DC	[mA]	250
Switching frequency DC	[Hz]	160
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes

Detection zone

Range	[m]	< 0.08; (Through-beam sensor)
Range	[mm]	< 15; (Diffuse reflection sensor)

Operating conditions

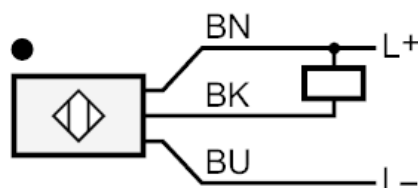
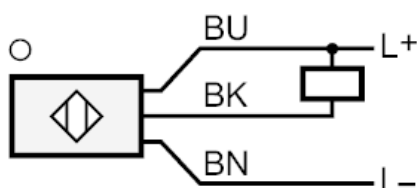
Ambient temperature	[°C]	-25...80
Protection		IP 65



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Tests / approvals		
EMC	EN 60947-5-2	
	EN 55011	class B
Mechanical data		
Weight	[g]	0.182
Housing		threaded type
Dimensions	[mm]	M18 x 1 / L = 88
Thread designation		M18 x 1
Materials		brass nickel-plated
Displays / operating elements		
Display	switching status	1 x LED, yellow
Accessories		
Items supplied		lock nuts: 2
		Lock nut
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
Pack quantity		1 pcs.
Electrical connection		
Cable: 2 m, PVC; 3 x 0.5 mm ²		
Connection		



Core colours :

BN = brown

BU = blue

BK = black