

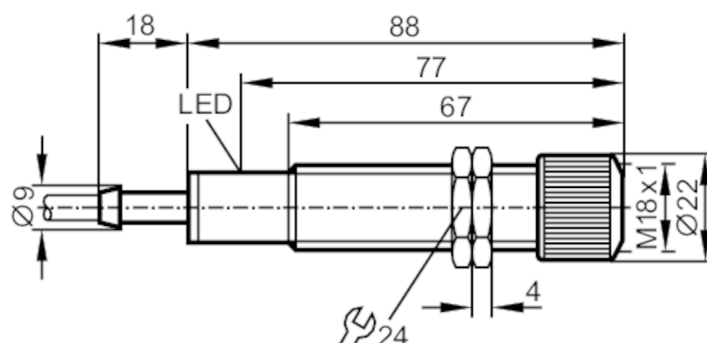
Fibre-optic amplifier

OGF-DNKG

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		dark-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

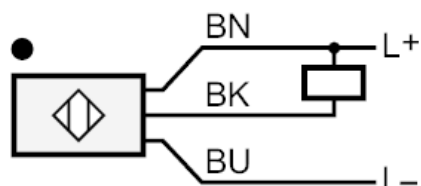
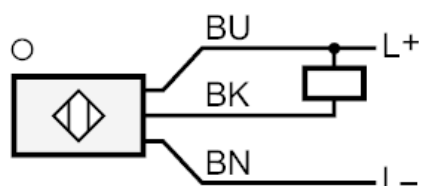
Ambient temperature	[°C]	-25...80
Protection		IP 65



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Tests / approvals		
EMC	EN 60947-5-2	
	EN 55011	class B
Mechanical data		
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	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; 3 x 0.5 mm²		
Connection		



Core colours :

BN = brown

BU = blue

BK = black