



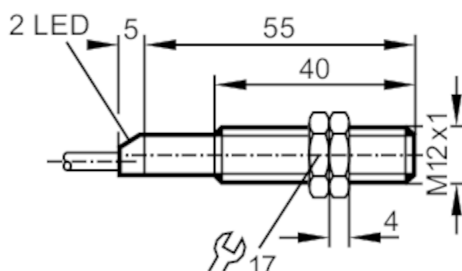
## Through-beam sensor receiver

OFE-FNKG

Article no longer available - archive entry

Alternative articles: OF5022

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



### Product characteristics

Type of light	infrared light
Housing	threaded type

### Application

Function principle	Through-beam sensor
--------------------	---------------------

### Electrical data

Operating voltage	[V]	10...36 DC
Current consumption	[mA]	< 25
Protection class		II
Reverse polarity protection		yes
Type of light		infrared light
Wave length	[nm]	880

### Outputs

Electrical design		NPN
Output function		light-on/dark-on mode; (parameterisable)
Max. voltage drop switching output DC	[V]	2.5
Permanent current rating of switching output DC	[mA]	200
Switching frequency DC	[Hz]	320
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes

### Detection zone

Transmitter / receiver		receiver
Range	[m]	< 4

### Operating conditions

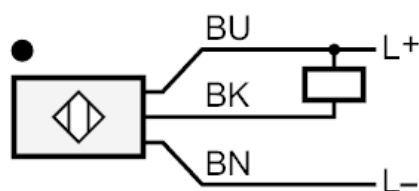
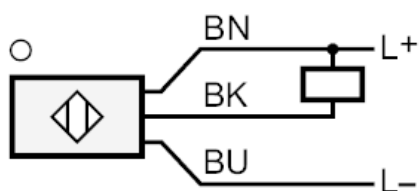
Ambient temperature	[°C]	-25...60
Protection		IP 67



## Through-beam sensor receiver

OFE-FNKG

Tests / approvals		
EMC	EN 60947-5-2	
	EN 55011	class B
Mechanical data		
Weight	[g]	94.2
Housing		threaded type
Dimensions	[mm]	M12 x 1 / L = 60
Thread designation		M12 x 1
Materials		brass nickel-plated
Lens material		PMMA
Displays / operating elements		
Display	switching status	1 x LED, yellow
	operation	1 x LED, green
Accessories		
Items supplied		lock nuts: 2
Remarks		
Pack quantity		1 pcs.
Electrical connection		
Cable: 2 m, PUR; 3 x 0.34 mm <sup>2</sup>		
Connection		



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



## Through-beam sensor receiver

OFE-FNKG

### Diagrams and graphs

excess gain graph

