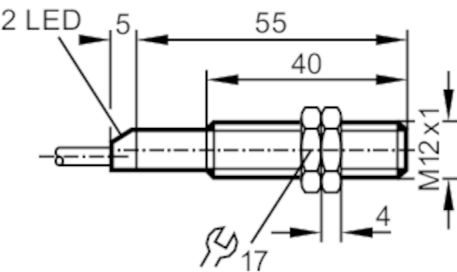


OF5019



Through-beam sensor receiver

OFE-FPKG



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	PNP	
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]	200
Switching frequency DC	[Hz]	320
Short-circuit protection		yes
Type of short-circuit protection		yes (non-latching)
Overload protection		yes
Monitoring range		
Transmitter / receiver	receiver	
Range	[m]	< 4
Operating conditions		
Ambient temperature	[°C]	-25...60
Protection		IP 67
Tests / approvals		
EMC	EN 60947-5-2	
	EN 55011	class B
MTTF	[years]	990

OF5019



Through-beam sensor receiver

OFE-FPKG

UL approval	Ta	< 40 °C
	Enclosure type	Type 1
	voltage supply	Limited Voltage/Current
	UL approval number	E030
	File number UL	E174191

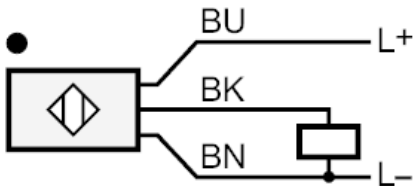
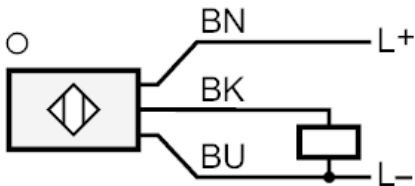
Mechanical data		
Weight	[g]	73
Housing		Threaded type
Dimensions	[mm]	M12 x 1 / L = 60
Thread designation		M12 x 1
Material		brass nickel-plated
Lens material		PMMA

Displays / operating elements		
Display	Switching status	1 x LED, yellow
	Power	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 mm²		
Connection		



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

OF5019



Through-beam sensor receiver

OFE-FPKG

Diagrams and graphs

excess gain graph

