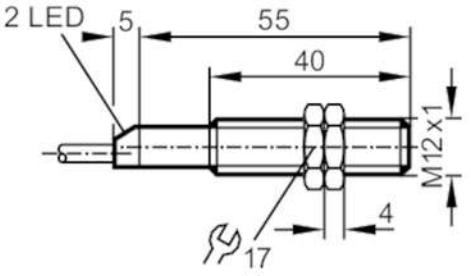
OF5019

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		pulsed
Overload protection		yes
Detection zone		
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

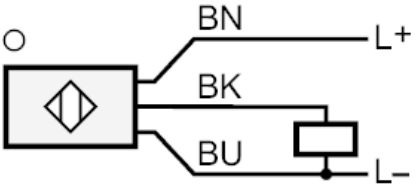
Through-beam sensor receiver

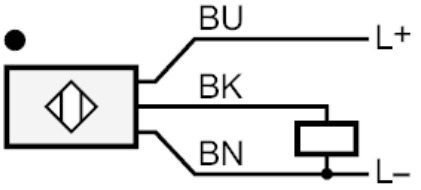
OFE-FPKG

Mechanical data			
Weight	[g]	73	
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 mm²

Connection





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

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Through-beam sensor receiver

OFE-FPKG

Diagrams and graphs

excess gain graph

