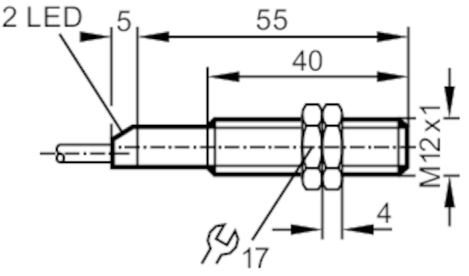
OF5026

Diffuse reflection sensor

OFB-FPKG



Product characteristics		
Type of light		Infrared light
Housing		Threaded type
Application		
Function principle		Diffuse reflection sensor
Electrical data		
Operating voltage	[V]	10...36 DC
Current consumption	[mA]	< 30
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		
Range	[mm]	1...400; (white paper 200 x 200 mm)
Max. light spot diameter	[mm]	185
Light spot dimensions refer to		at maximum range
Operating conditions		
Ambient temperature	[°C]	-25...60
Protection		IP 67
Tests / approvals		
EMC		EN 60947-5-2
MTTF	[years]	891

OF5026

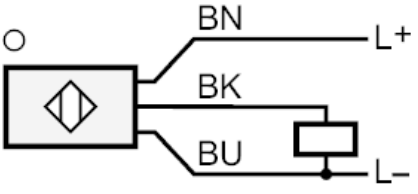
Diffuse reflection sensor

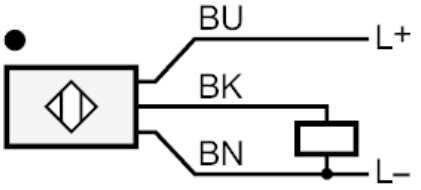
OFB-FPKG

Mechanical data		
Weight [g]	92	
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

OF5026

Diffuse reflection sensor

OFB-FPKG

Diagrams and graphs

excess gain graph

