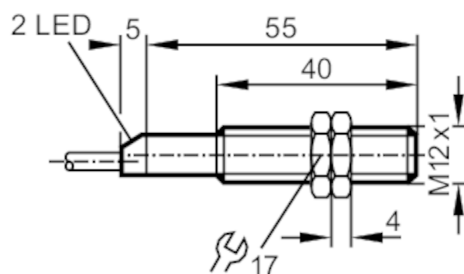




Diffuse reflection sensor

OFB-FPKG



Product characteristics

Type of light	Infrared light
Housing	Threaded type

Application

Function principle	Diffuse reflection sensor
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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

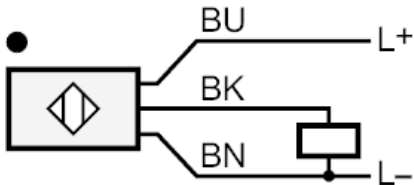
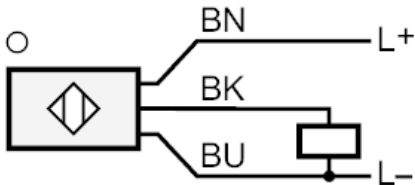
OF5026



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		



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



Diffuse reflection sensor

OFB-FPKG

Diagrams and graphs

excess gain graph

