

Diffuse reflection sensor

OFB-FPKG

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Alternative articles: OF5026

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	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; (parameterisable)
Max. voltage drop switching output DC	[V]	2.5
Permanent current rating of switching output DC	[mA]	200
Switching frequency DC	[Hz]	400
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes

Detection zone

Range	[mm]	< 400; (white paper 200 x 200 mm)
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Operating conditions

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

Tests / approvals

EMC	EN 60947-5-2	
	EN 55011	class B

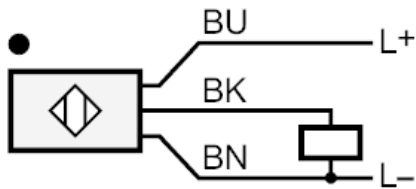
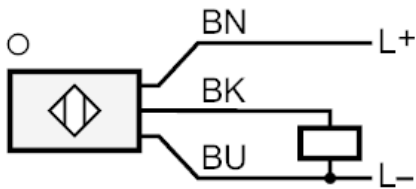
OF5046



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Mechanical data		
Housing	threaded type	
Dimensions [mm]	M12 x 1 / L = 60	
Thread designation	M12 x 1	
Materials	housing: brass white bronze coated	
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, PVC; 3 x 0.34 mm²		
Connection		



BN = brown
BU = blue
BK = black

Core colours :