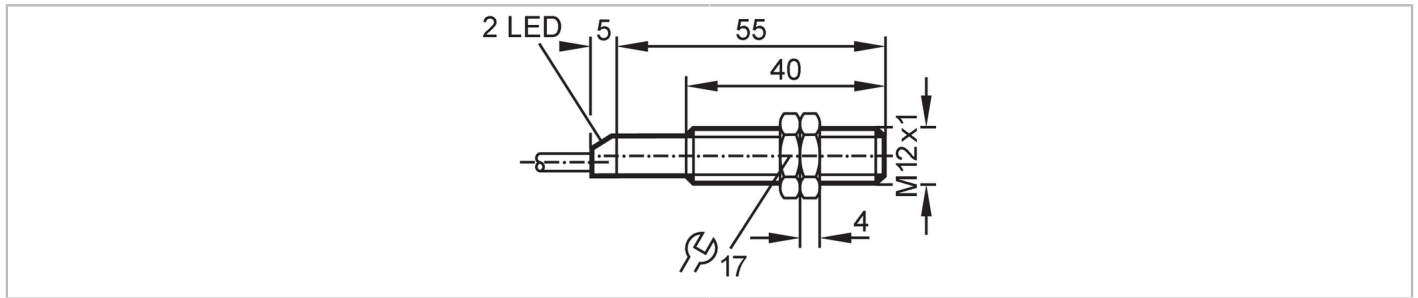


OF5032



Diffuse reflection sensor

OFT-FPKG/V4A/6M



Product characteristics	
Type of light	infrared light
Housing	threaded type
Application	
Function principle	Diffuse reflection sensor
Application	Industrial applications / factory automation
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	pulsed
Overload protection	yes
Detection zone	
Range [mm]	1...200; (white paper 200 x 200 mm)
Range adjustable	no
Max. light spot diameter [mm]	92
Light spot dimensions refer to	at maximum range
Operating conditions	
Ambient temperature [°C]	-25...60
Protection	IP 67

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Tests / approvals		
EMC	EN 60947-5-2	
	EN 55011	class B
MTTF [years]		891
UL approval	Ta	< 40 °C
	Enclosure type	Type 1
	voltage supply	Limited Voltage/Current
	UL approval no.	E030
	File number UL	E174191

Mechanical data		
Weight [g]		154.2
Housing		threaded type
Dimensions [mm]		M12 x 1 / L = 60
Thread designation		M12 x 1
Materials		housing: stainless steel (316Ti/1.4571)
Lens material		front pane:PMMA

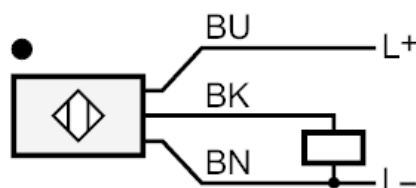
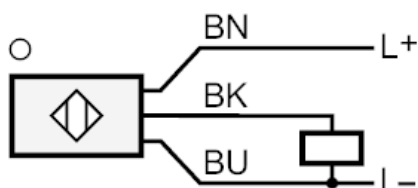
Displays / operating elements		
Display	switching status	1 x LED, yellow
	operation	1 x LED, green

Accessories		
Items supplied		lock nuts: 2

Remarks		
Pack quantity		1 pcs.

Electrical connection		
Cable: 6 m, PUR; 3 x 0.34 mm ²		

Connection



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

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Diagrams and graphs

excess gain graph

