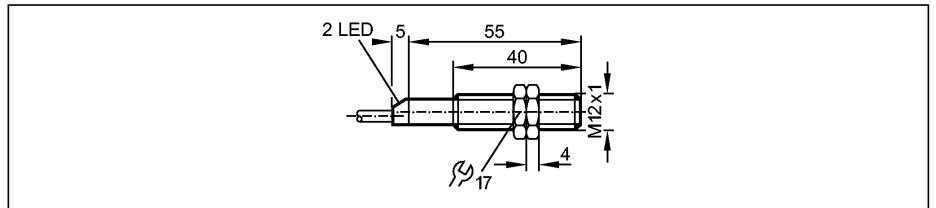


Photoelectric sensors

**OF5010**

OFT-FPKG  
Diffuse reflection sensor  
Threaded type M12 x 1  
Cable

Range 1...200mm  
(referred to white paper 200 x 200 mm)



Made in Germany

**Electrical design**  
**Output**

Light spot diameter	[mm]
Operating voltage	[V]
Current rating	[mA]
Short-circuit protection	
Reverse polarity protection	
Overload protection	
Voltage drop	[V]
Current consumption	[mA]
Switching frequency	[Hz]
Type of light	
Ambient temperature	[°C]
Protection	
EMC	
MTTF	[Years]
Housing materials	
Lens material	
Function display	
Switching status	LED
Operation	LED
Connection	
Weight	[kg]
Accessories (included)	

**DC PNP**  
**light-on / dark-on programmable**

Light spot diameter	92 ( at maximum range )
Operating voltage	10...36 DC
Current rating	200
Short-circuit protection	pulsed
Reverse polarity protection	yes
Overload protection	yes
Voltage drop	< 2.5
Current consumption	< 30
Switching frequency	400
Type of light	Infrared light 880 nm
Ambient temperature	-25...60
Protection	IP 67, II
EMC	EN 60947-5-2 EN 55011: class B
MTTF	891
Housing materials	brass nickel-plated
Lens material	PMMA
Function display	
Switching status	yellow
Operation	green
Connection	PUR cable / 2 m; 3 x 0.34 mm <sup>2</sup>
Weight	0.093
Accessories (included)	2 lock nuts

**Wiring**

Core colours  
BN brown  
BU blue  
BK black



**OF5010**

**Excess gain graphs**

