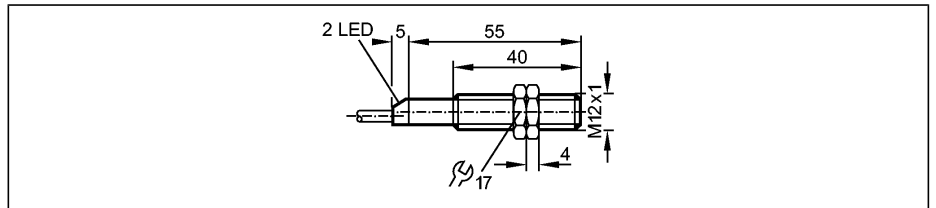


Photoelectric sensors

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 ²
Weight	0.093
Accessories (included)	2 lock nuts

Wiring

Core colours
BN brown
BU blue
BK black



OF5010

Excess gain graphs

