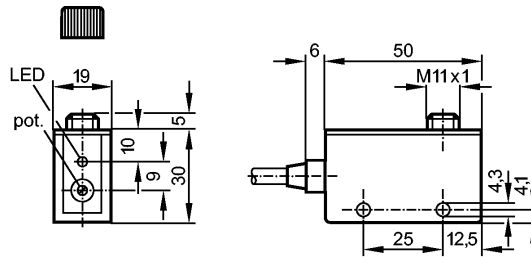


OK5001

OKF-FPKG

Photoelectric sensors



Product characteristics

Fiber-optic amplifier

Rectangular, plastics

Cable

Sensing range 0...120mm (Through-beam sensor)

Range 0...40mm (Diffuse reflection sensor)

adjustable

Electrical data

Electrical design		DC PNP
Operating voltage	[V]	10...36 DC
Current consumption	[mA]	30 (24 V)
Type of light		red light 660 nm
Protection class		III
Reverse polarity protection		yes

Outputs

Output function		light-on / dark-on programmable
Voltage drop	[V]	< 2.5
Current rating	[mA]	250
Short-circuit protection		yes (non-latching)
Overload protection		yes
Switching frequency	[Hz]	120

Monitoring range

Sensing range	[m]	0...0.12 (Through-beam sensor)
Range	[mm]	0...40 (Diffuse reflection sensor)

Environment

Ambient temperature	[°C]	-25...60
Protection		IP 65

Tests / approvals

EMC		EN 60947-5-2 EN 55011: class B
MTTF	[Years]	529

Mechanical data

Housing materials		modified PPO
Weight	[kg]	0.152

Displays / operating elements

Output status indication	LED	yellow
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Electrical connection

OK5001

OKF-FPKG

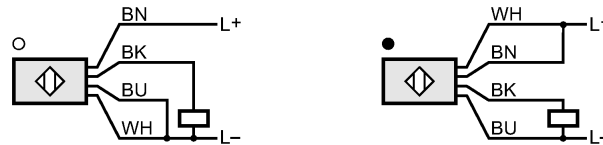
Photoelectric sensors

Connection	PVC cable / 2 m; 4 x 0.34 mm ²
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Wiring

Core colors

- BN brown
- BU blue
- BK black
- WH white



Accessories

Accessories (included)	screwdriver; 2 mounting screws; M4 x 25; 2 washers; 2 spring washers; 2 nuts
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Remarks

Remarks	<p>When through-beam fibre optics are connected light-on mode means the output function "NC" and when diffuse reflection fibre optics are connected the output function "NO".</p> <p>When through-beam fibre optics are connected dark-on mode means the output function "NO" and when diffuse reflection fibre optics are connected the output function "NC"</p>
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Pack quantity	[piece]	1
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