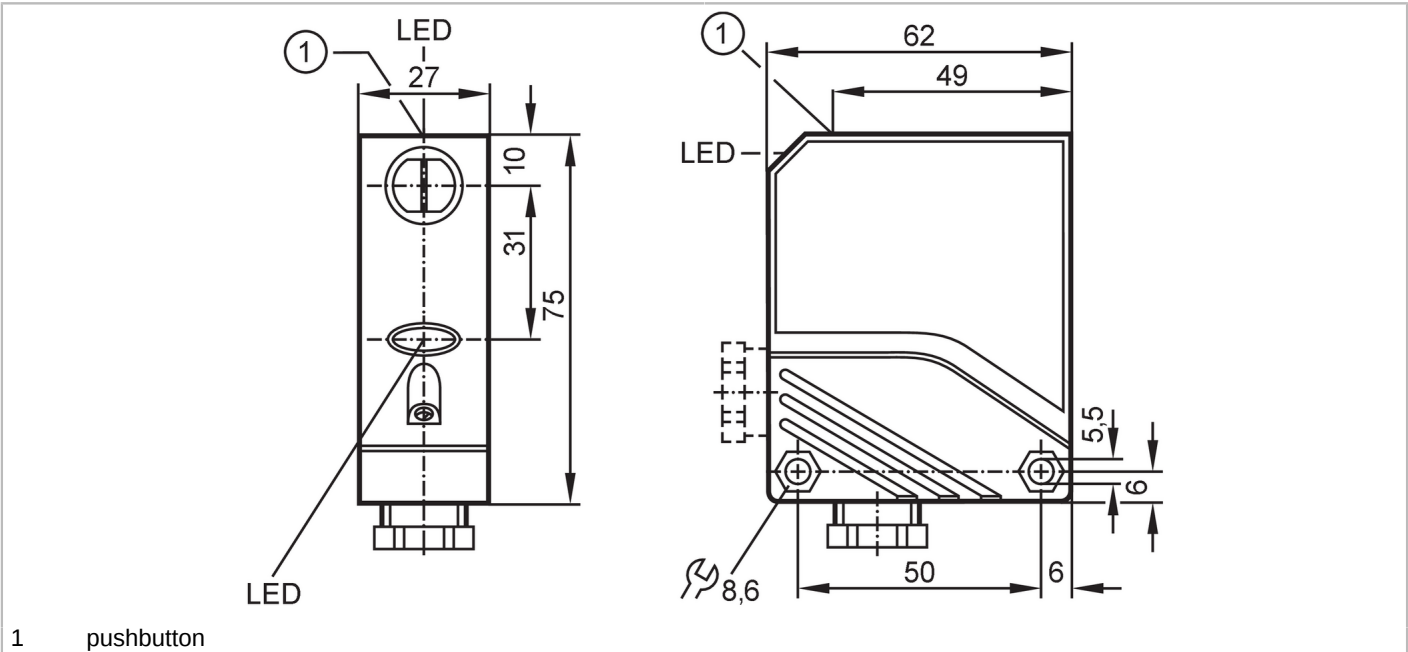




Diffuse reflection sensor

OLB-FKOA



Product characteristics		
Type of light		Infrared light
Housing		rectangular
Application		
Function principle		Diffuse reflection sensor
Application		Industrial applications
Electrical data		
Frequency AC	[Hz]	47...63
Operating voltage	[V]	20...250 AC/DC
Max. power consumption	[VA]	4
Protection class		II
Reverse polarity protection		no
Type of light		Infrared light
Wave length	[nm]	880
Outputs		
Electrical design		Relay
Output function		light-on/dark-on mode; (programmable)
Contact rating		250 V AC / 3 A / 960 VA, 125 V DC / 5 A / 120 W
Switching frequency AC	[Hz]	10
Switching frequency DC	[Hz]	10
Short-circuit proof		no
Overload protection		no
Monitoring range		
Range	[mm]	1...800; (white paper 200 x 200 mm 90 % remission)
Range adjustable		yes



Diffuse reflection sensor

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Max. light spot diameter	[mm]	80
Light spot dimensions refer to		at maximum range

Operating conditions

Ambient temperature	[°C]	-25...80
Protection		IP 67

Tests / approvals

EMC	EN 60947-5-2	
	EN 55011	class B
MTTF	[years]	255

Mechanical data

Weight	[g]	171.5
Housing		rectangular
Dimensions	[mm]	75 x 27 x 62
Material		PA; PBT
Lens material		front lens:PMMA
Lens alignment		Side sensing

Displays / operating elements

Display	Switching status	1 x LED, yellow
	Power	1 x LED, green
	Function	1 x LED, red

Electrical connection

Required protection	miniature fuse to IEC60127-2 sheet 1; ≤ 5 A; fast acting
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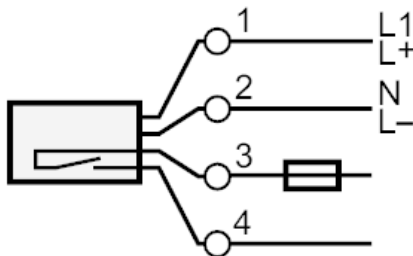
Remarks

Remarks	Recommendation: check the unit for reliable function after a short circuit.
Pack quantity	1 pcs.

Electrical connection

terminals: ...1.5 mm²; Cable sheath: Ø 4.5...10 mm; Cable gland: M16 X 1.5

Connection



Note : miniature fuse to IEC60127-2 sheet 1 ≤ 5 A fast acting



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Diagrams and graphs

excess gain graph

