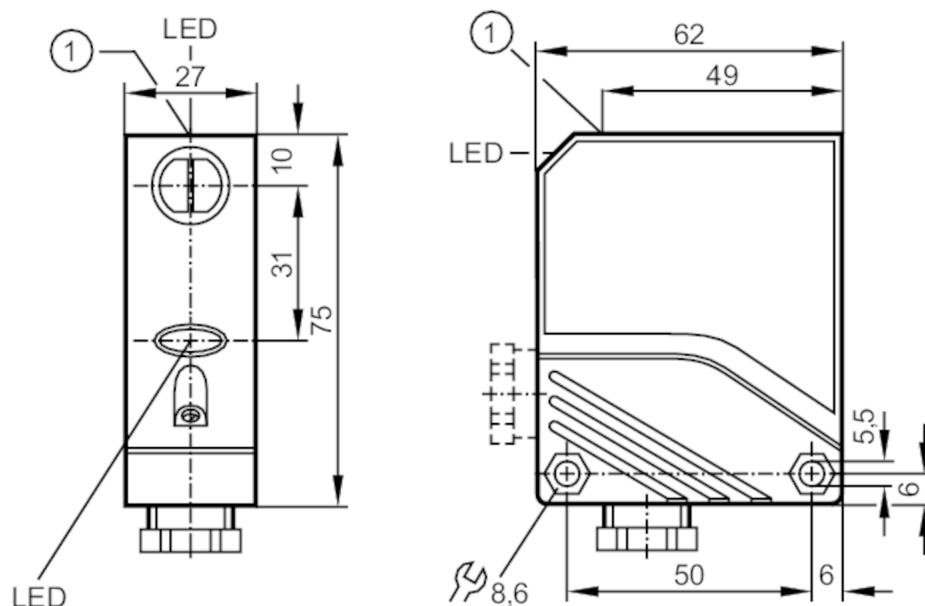




Diffuse reflection sensor

OLB-FKOA



1 pushbutton



Application

Function principle

Diffuse reflection sensor

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

Detection zone

Range [mm] 1...800; (white paper 200 x 200 mm 90 % remission)

Range adjustable yes

Max. light spot diameter [mm] 80

Light spot dimensions refer to at maximum range



Diffuse reflection sensor

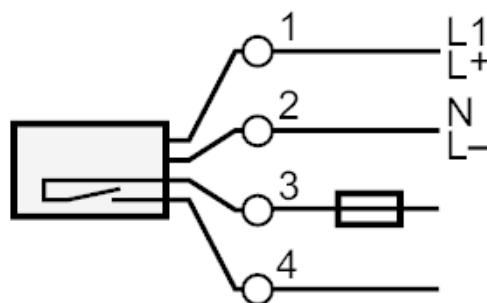
OLB-FKOA

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]	168
Housing		rectangular
Dimensions	[mm]	75 x 27 x 62
Materials		PA; PBT
Lens material		PMMA
Lens alignment		side lens
Displays / operating elements		
Display	switching status	1 x LED, yellow
	operation	1 x LED, green
	function	1 x LED, red
Electrical connection		
Required protection		miniature fuse to IEC60127-2 sheet 1; ≤ 5 A; fast acting
Remarks		
Remarks		Recommendation: Check the safe functioning of the unit 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



Diagrams and graphs

excess gain graph

