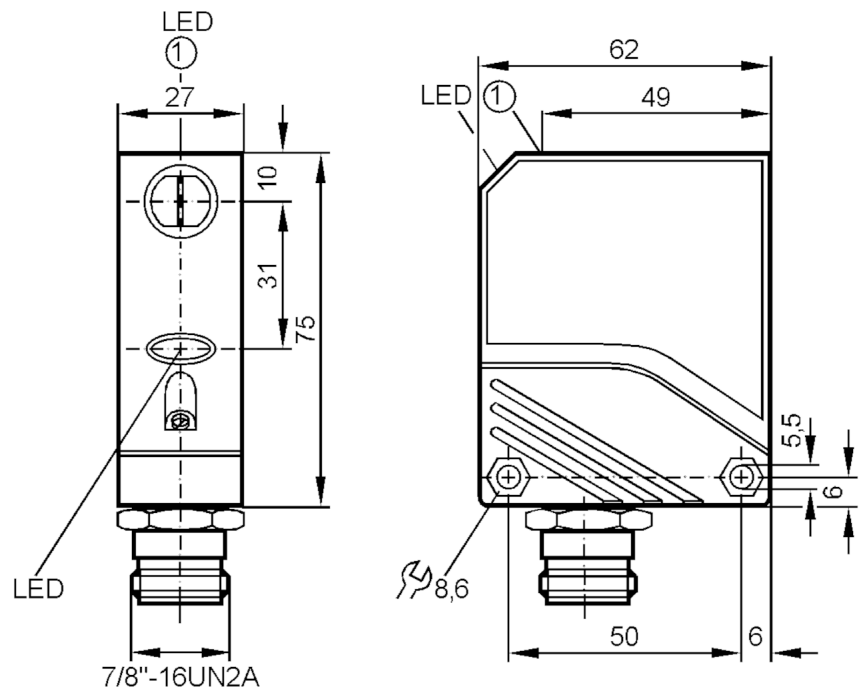




Diffuse reflection sensor

OLB-FKOA/SL/LS-500



1 pushbutton

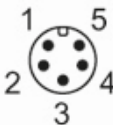


Application		
Function principle	Diffuse reflection sensor	
Electrical data		
Frequency AC	[Hz]	47...63
Operating voltage	[V]	20...250 AC/DC
Max. power consumption	[VA]	4
Protection class		I
Reverse polarity protection		no
Type of light		infrared light
Wave length	[nm]	880
Typ. lifetime	[h]	100000
Reference temperature for service life	[°C]	25
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



Diffuse reflection sensor

OLB-FKOA/SL/LS-500

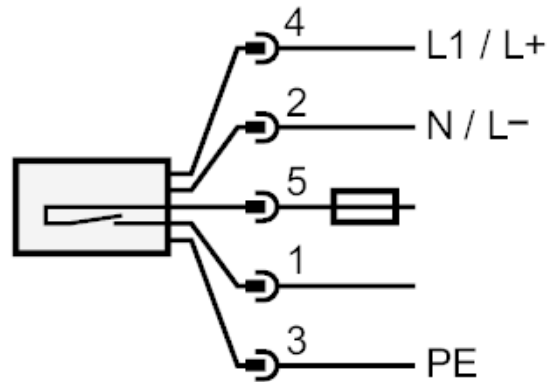
Detection zone		
Range	[mm]	1...800; (white paper 200 x 200 mm 90 % remission)
Range adjustable		yes
Max. light spot diameter	[mm]	80
Light spot dimensions refer to		at maximum range
Operating conditions		
Ambient temperature	[°C]	-25...80
Protection		IP 67
Tests / approvals		
EMC	EN 60947-5-2	
	EN 55011	class B
MTTF	[years]	255
Mechanical data		
Weight	[g]	205
Housing		rectangular
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		
Connector: 1 x 7/8"		
		



Diffuse reflection sensor

OLB-FKOA/SL/LS-500

Connection



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