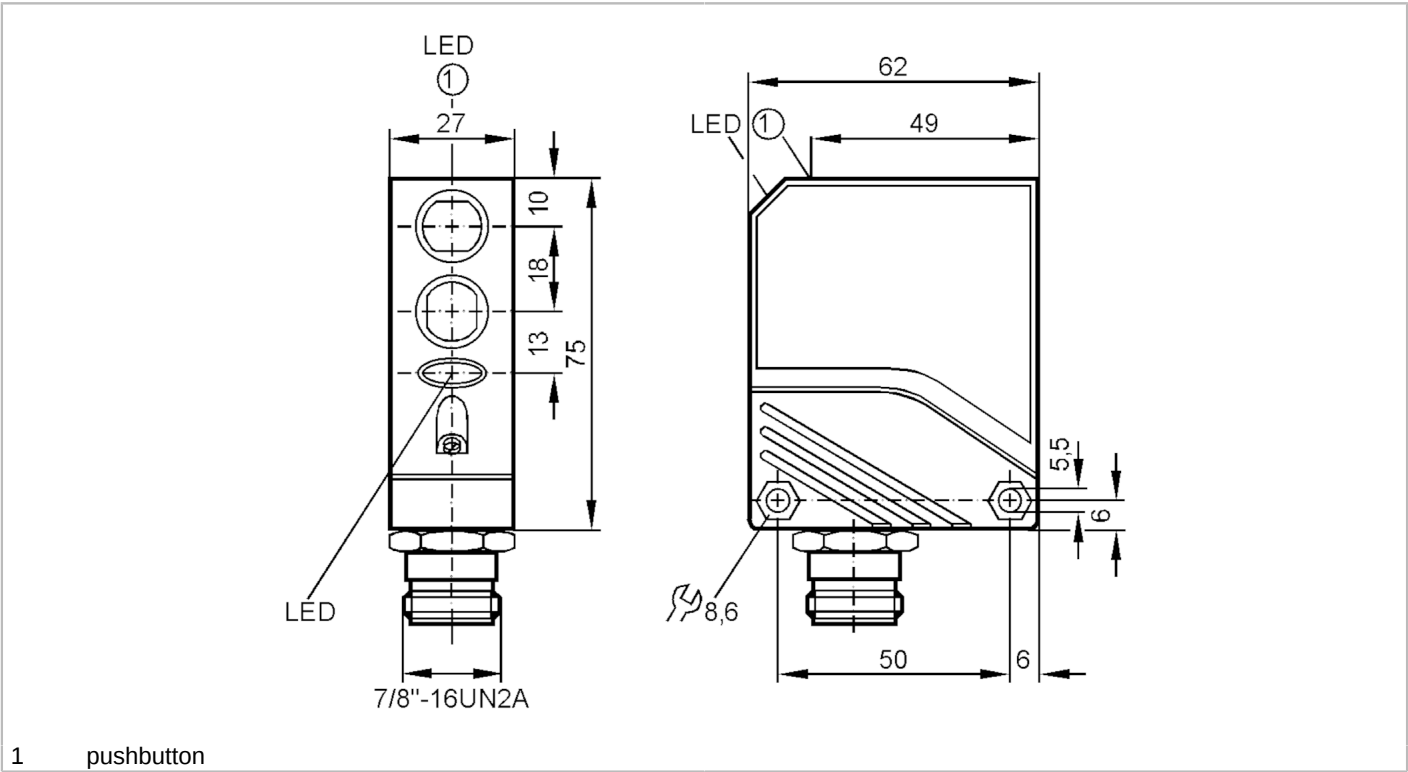




Retro-reflective sensor

OLP-FKOA/SL/LS-500



Product characteristics		
Type of light		red light
Housing		rectangular
Application		
Special feature		polarization filter
Function principle		Retro-reflective 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		I
Reverse polarity protection		no
Type of light		red light
Wave length	[nm]	660
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



Retro-reflective sensor

OLP-FKOA/SL/LS-500

Switching frequency DC	[Hz]	10
Short-circuit proof		no
Overload protection		no

Monitoring range

Range referred to prismatic reflector	[m]	0.3...5; (Prismatic reflector Ø 80 E20005)
Range adjustable		yes
Polarization filter available		yes

Operating conditions

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

Tests / approvals

EMC	EN 60947-5-2	
	EN 55011	class B
MTTF	[years]	256

Mechanical data

Weight	[g]	202.5
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

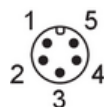
Required protection	miniature fuse to IEC60127-2 sheet 1; ≤ 5 A; fast acting
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Remarks

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

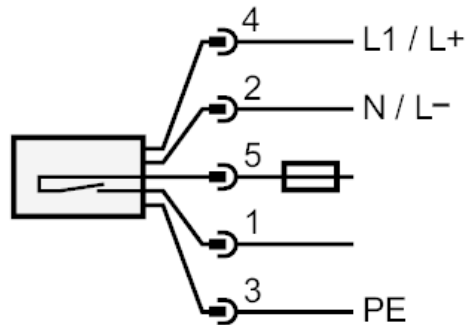
Electrical connection

Connector: 1 x 7/8"; coding: A; Contacts: 5



Retro-reflective sensor

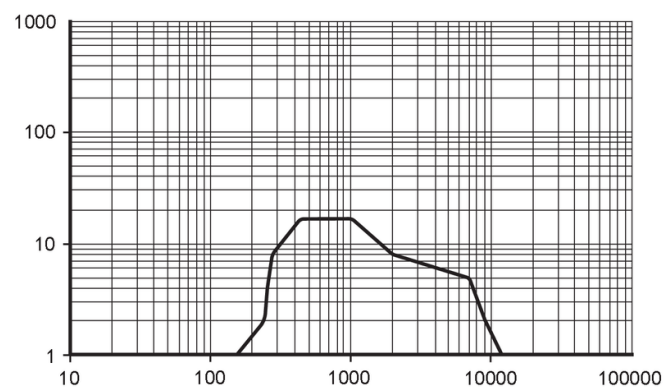
OLP-FKOA/SL/LS-500

Connection

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

Diagrams and graphs

excess gain graph



x: distance [mm]

y: Funktionsreservefaktor