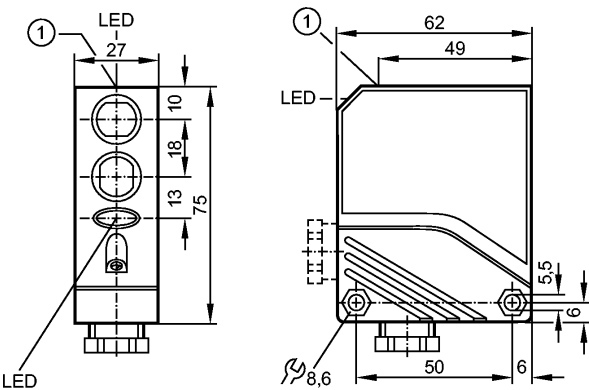


OL0004

OLP-FKOA

Photoelectric sensors



1: pushbutton



Product characteristics

Retro-reflective sensor

Rectangular, plastics

Terminals

Polarisation filter

Sensing range 0.3...5m (Prismatic reflector Ø 80 (E20005))

adjustable

Electrical data

Electrical design	AC/DC relay
Operating voltage [V]	20...250 AC/DC (47...63 Hz AC)
Power consumption [VA]	< 4
Type of light	Red light 660 nm
Protection class	II
Reverse polarity protection	no

Outputs

Output function	light-on / dark-on programmable
Contact rating	250 V AC / 3 A / 960 VA, 125 V DC / 5 A / 120 W
Short-circuit proof	no
Overload protection	no
Switching frequency [Hz]	10

Detection range

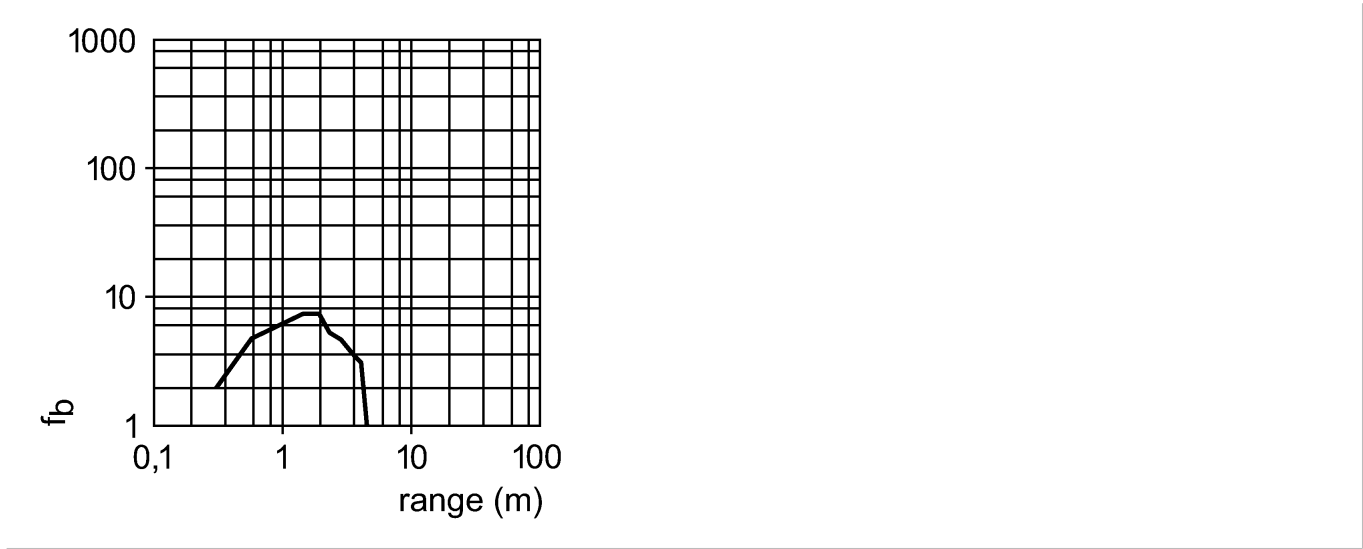
Sensing range [m]	0.3...5 (Prismatic reflector Ø 80 (E20005))
Range referred to prismatic reflector [m]	Ø 80 0.3...5 Ø 40 0.3...3 Ø 22 0.3...2
Light spot diameter [mm]	250 (at maximum range)

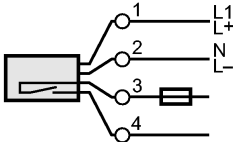
Excess gain graphs

OL0004

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Photoelectric sensors



Environment		
Ambient temperature	[°C]	-25...80
Protection		IP 67
Tests / approvals		
EMC	EN 60947-5-2 EN 55011:	class B
MTTF	[Years]	256
Mechanical data		
Housing materials		PA; PBT
Lens material		PMMA
Weight	[kg]	0.164
Displays / operating elements		
Output status indication	LED	yellow
Operation	LED	green
Function display	LED	Red
Electrical connection		
Connection	terminals up to 1.5 mm²; cable diameter 4.5...10 mm, cable gland M16 x 1.5	
Wiring		
		
Note: miniature fuse to IEC60127-2 sheet 1, ≤ 5 A (fast acting)		
Remarks		
Remarks	Recommendation: check the unit for reliable function after a short circuit.	
Pack quantity	[piece]	1