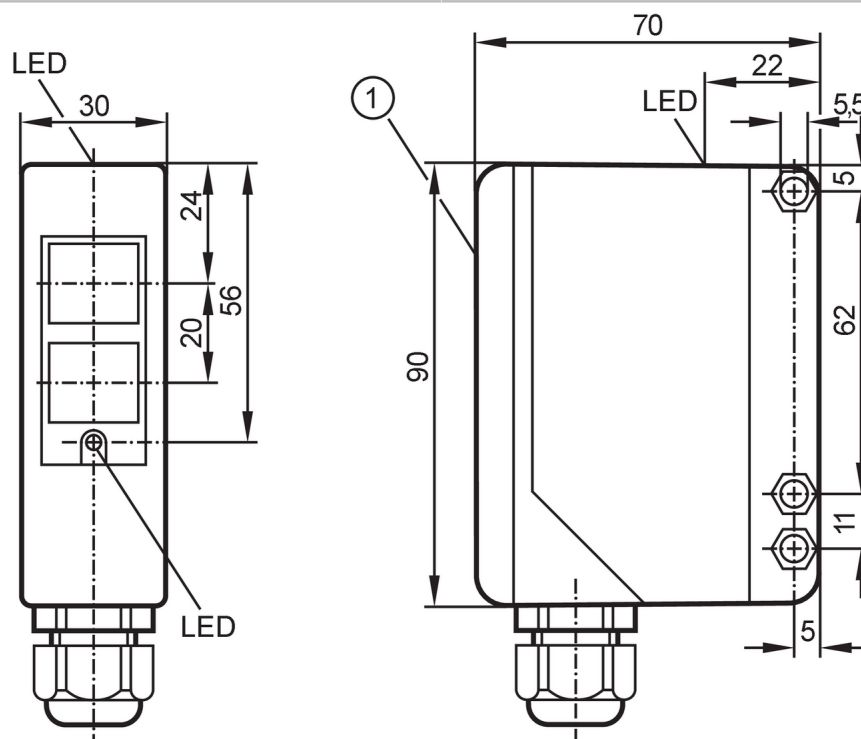




Retro-reflective sensor

OAP-FKOA/T



- 1 selection switch and potentiometer under cover
Receiver in upper lens
transmitter in lower lens



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]	2
Protection class		II
Reverse polarity protection		no
Type of light		red light
Wave length	[nm]	660

Outputs

Electrical design	Relay
Output function	light-on/dark-on mode; (programmable)
Contact rating	250 V AC / 3 A / 360 VA, 125 V DC / 3 A / 30 W
Short-circuit proof	no
Overload protection	no



Retro-reflective sensor

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Time function	[s]	0.5...10	
Monitoring range			
Range referred to prismatic reflector	[m]	0.2...8; (Prismatic reflector Ø 80 E20005)	
Range adjustable		yes	
Max. light spot diameter	[mm]	420	
Light spot dimensions refer to		at maximum range	
Polarization filter available		yes	
Operating conditions			
Ambient temperature	[°C]	-25...60	
Protection		IP 65	
Tests / approvals			
EMC		EN 60947-5-2	
		EN 55011	class B
MTTF	[years]	264	
Mechanical data			
Weight	[g]	305	
Housing		rectangular	
Dimensions	[mm]	90 x 30 x 70	
Material		housing: PPO modified	
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	
Operating elements		On-delay or off-delay selectable via slide switch	
Electrical connection			
Required protection		miniature fuse to IEC60127-2 sheet 1; ≤ 5 A; fast acting	
Accessories			
Items supplied		Angle bracket: 1, E20514	
		screwdrivers	
Remarks			
Remarks		Recommendation: check the unit for reliable function after a short circuit.	
Pack quantity		1 pcs.	



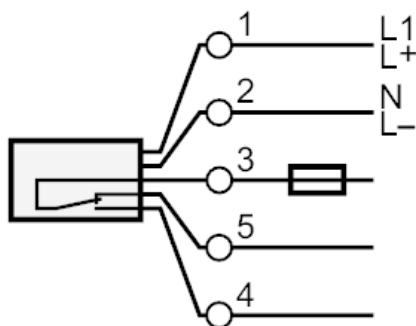
Retro-reflective sensor

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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

