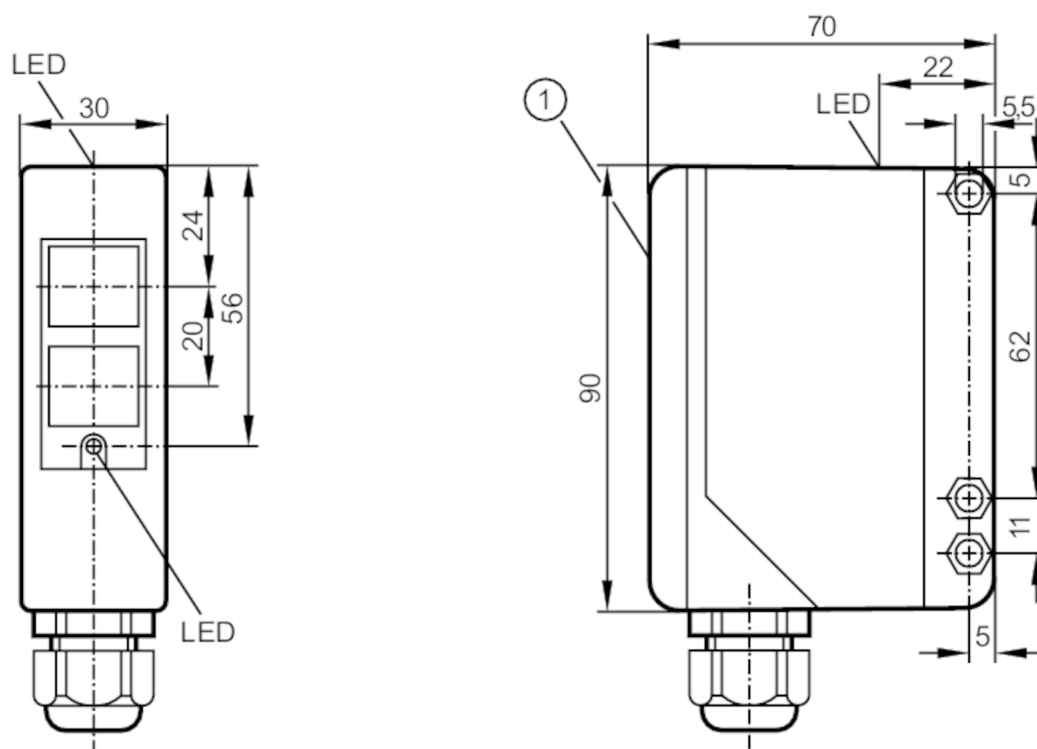




Retro-reflective sensor

OAR-FKOA/T



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



Application

Function principle Retro-reflective sensor

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		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 / 360 VA, 125 V DC / 3 A / 30 W
Switching frequency AC	[Hz]	10
Switching frequency DC	[Hz]	10
Short-circuit proof		no
Overload protection		no
Time function	[s]	0.5...10



Retro-reflective sensor

OAR-FKOA/T

Detection zone		
Range referred to prismatic reflector	[m]	0.25...10; (Prismatic reflector Ø 80 E20005)
Range adjustable		yes
Max. light spot diameter	[mm]	350
Light spot dimensions refer to		at maximum range
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]	306
Housing		rectangular
Dimensions	[mm]	90 x 30 x 70
Materials		PPO modified
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
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		
Accessories (supplied)	Angle bracket: 1 x, E20514	
	screwdrivers	
Remarks		
Remarks	Recommendation: Check the safe functioning of the unit after a short circuit.	
Pack quantity	1 pcs.	

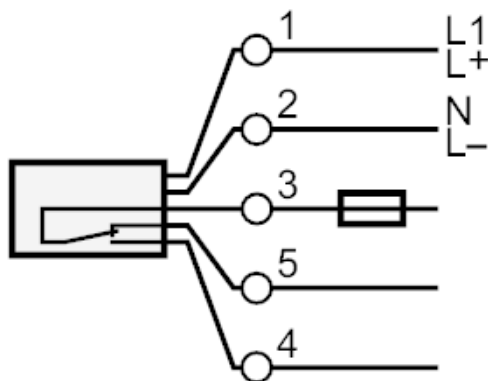
Retro-reflective sensor

OAR-FKOA/T

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

