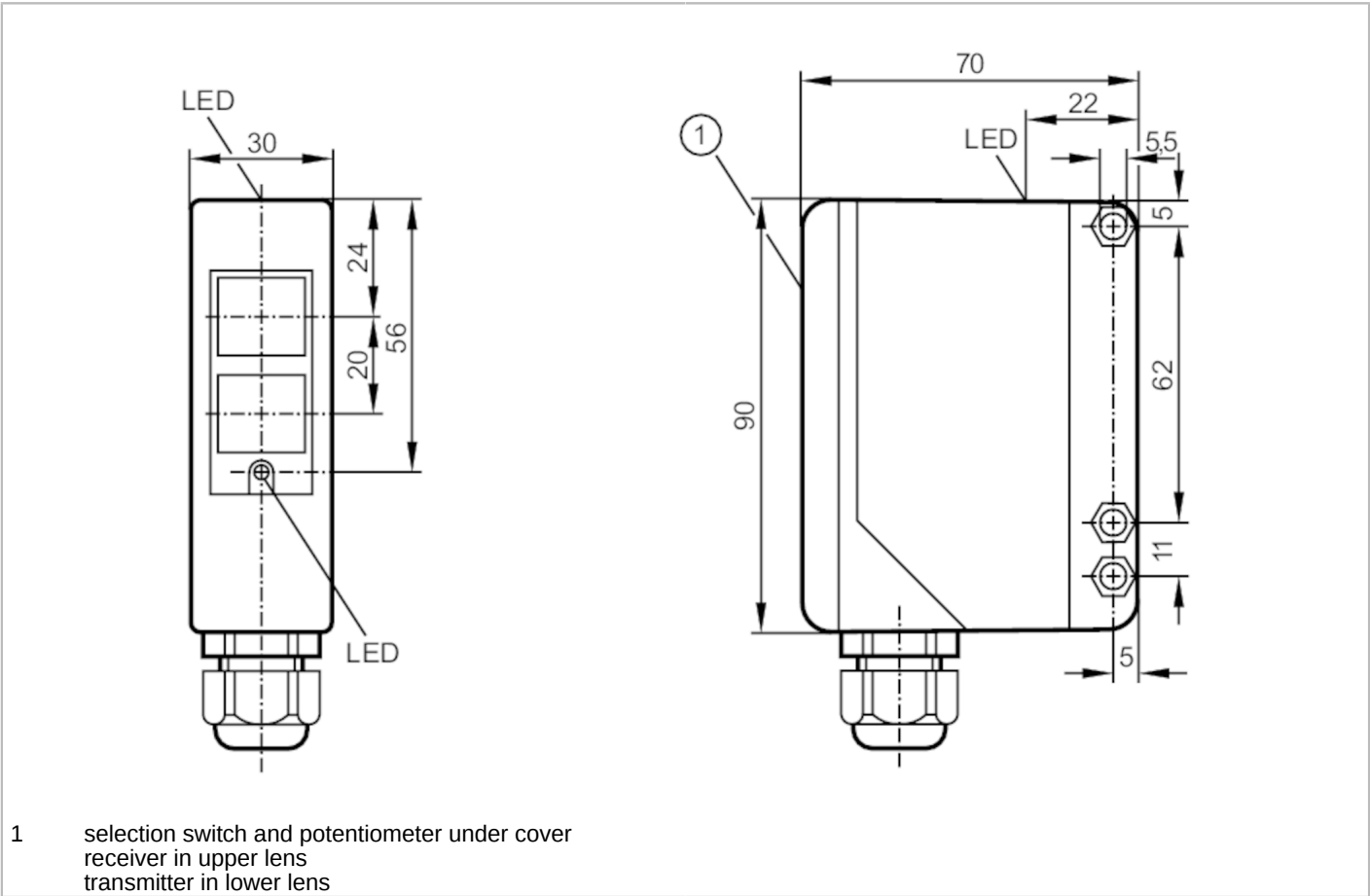




Retro-reflective sensor

OAR-FKOA/T



Product characteristics		
Type of light		infrared light
Housing		rectangular
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



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Short-circuit proof	no
Overload protection	no
Time function [s]	0.5...10
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	
Items supplied	Angle bracket: 1, E20514
	screwdrivers
Remarks	
Remarks	Recommendation: Check the safe functioning of the unit after a short circuit.
Pack quantity	1 pcs.

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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

