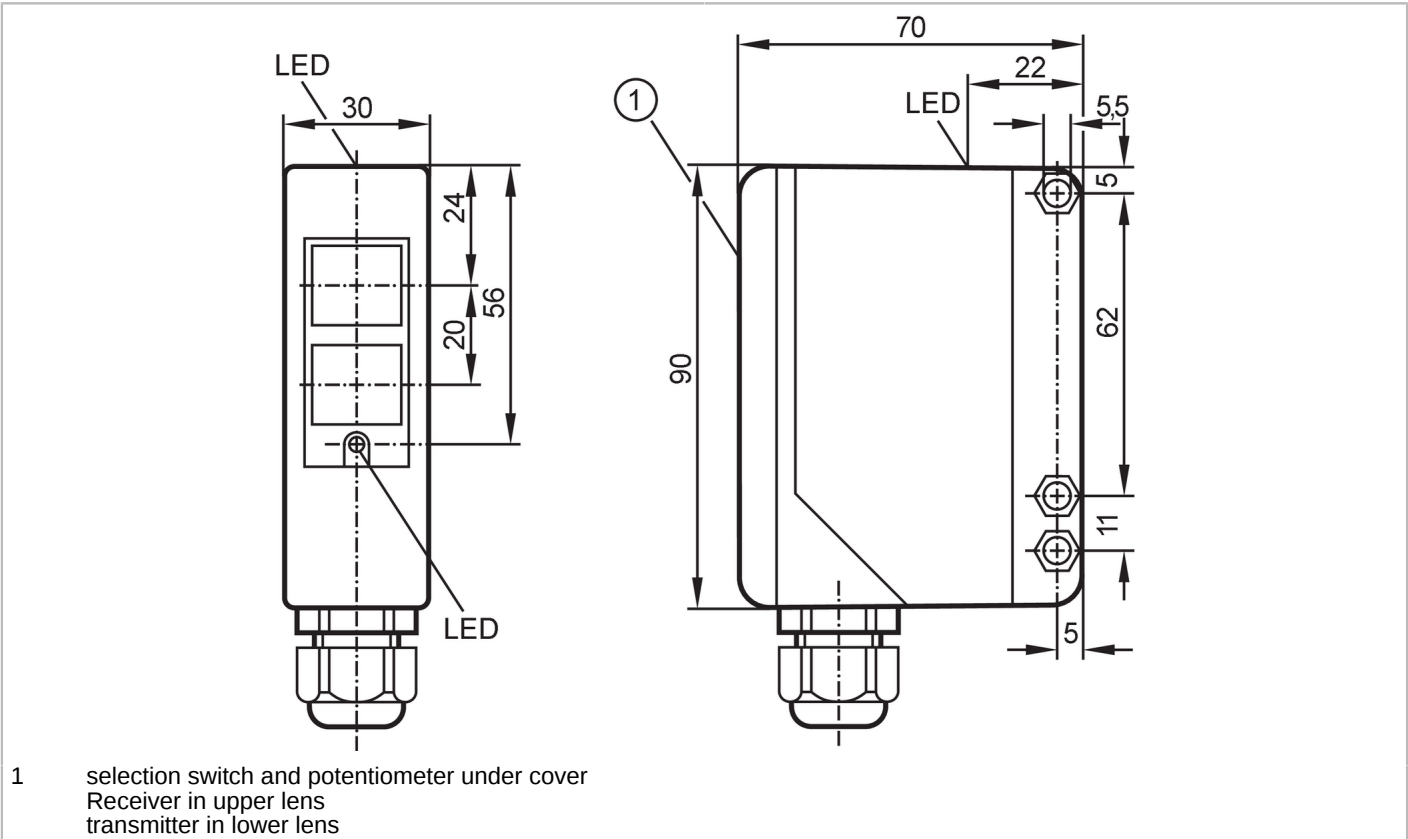




Diffuse reflection sensor

OAT-FKOA/T



Product characteristics

Type of light	Infrared light
Housing	rectangular

Application

Function principle	Diffuse reflection 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		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	



Diffuse reflection sensor

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Overload protection	no	
Time function [s]	0.5...10	
Monitoring range		
Range [mm]	5...1500; (white paper 200 x 200 mm)	
Range adjustable	yes	
Max. light spot diameter [mm]	370	
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	
MTTF [years]	264	
Mechanical data		
Weight [g]	307	
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.	

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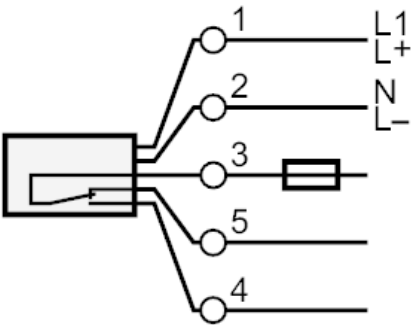
Diffuse reflection sensor

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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

