



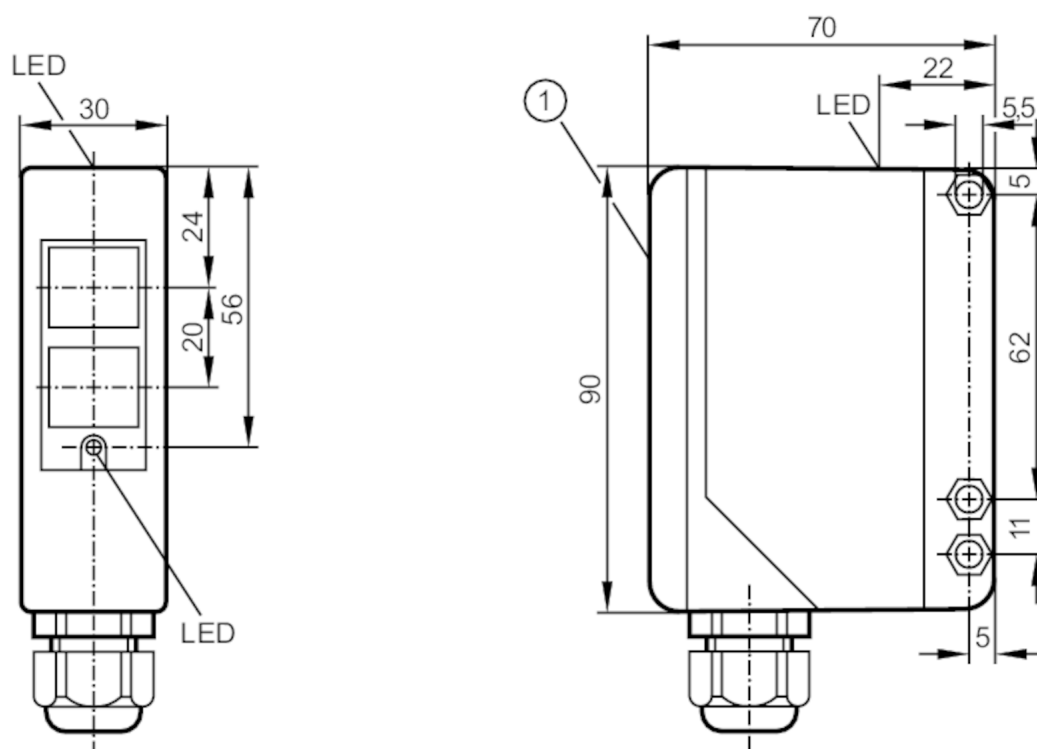
Retro-reflective sensor

OAP-FCKG/T

Article no longer available - archive entry

Alternative articles: O4P500

When selecting an alternative article and accessories please note that technical data may differ!



- 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	polarisation filter; Function check output
Function principle	Retro-reflective sensor

Electrical data

Operating voltage	[V]	10...36 DC
Current consumption	[mA]	< 50
Protection class		II
Reverse polarity protection		yes
Type of light		red light
Wave length	[nm]	660

Outputs

Electrical design	PNP/NPN
Output function	light-on/dark-on mode; (parameterisable)
Function check output	yes



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Max. current load for function check output	[mA]	10	
Permanent current rating of switching output DC	[mA]	250	
Max. current load in dual output mode	[mA]	100	
Short-circuit protection		yes	
Type of short-circuit protection		pulsed	
Overload protection		yes	
Time function	[s]	0.5...10	
Detection zone			
Range	[m]	0.2...8; (Prismatic reflector Ø 80 E20005)	
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	
Polarisation filter available		yes	
Operating conditions			
Ambient temperature	[°C]	-25...60	
Protection		IP 65	
Tests / approvals			
EMC	EN 60947-5-2		
Mechanical data			
Weight	[g]	0.291	
Housing		rectangular	
Dimensions	[mm]	90 x 30 x 70	
Materials		PPO modified	
Lens material		PMMA	
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	
Accessories			
Items supplied	Angle bracket: 1, E20514		
	screwdrivers		
Remarks			
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



5 Function check output

Diagrams and graphs

excess gain graph

