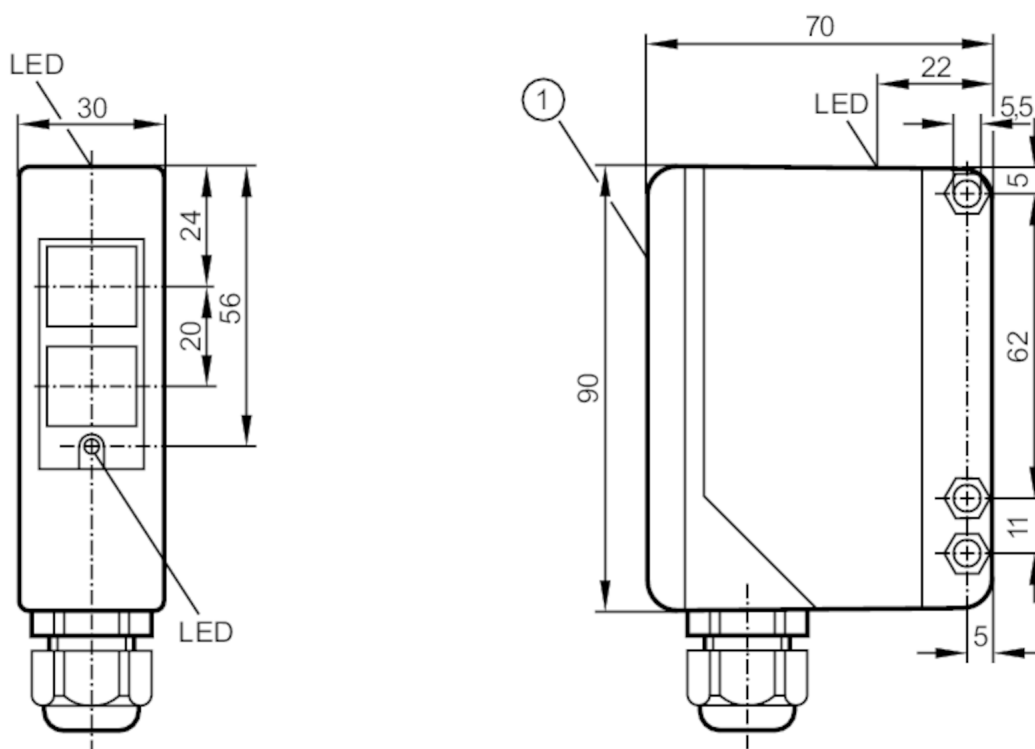




Through-beam sensor receiver

OAE-FCKG



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



Product characteristics

Type of light	infrared light
Housing	rectangular

Application

Special feature	Function check output
Function principle	Through-beam sensor

Electrical data

Operating voltage [V]	10...36 DC
Current consumption [mA]	< 50
Protection class	II
Reverse polarity protection	yes
Type of light	infrared light
Wave length [nm]	880

Outputs

Electrical design	PNP/NPN
Output function	light-on/dark-on mode; (programmable)
Function check output	yes
Max. current load for function check output [mA]	10



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Permanent current rating of switching output DC	[mA]	250
Max. current load in dual output mode	[mA]	100
Switching frequency DC	[Hz]	300
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes
Detection zone		
Transmitter / receiver		receiver
Range	[m]	< 50
Range adjustable		yes
Operating conditions		
Ambient temperature	[°C]	-25...60
Protection		IP 65
Tests / approvals		
EMC	EN 60947-5-2	
	EN 55011	class B
MTTF	[years]	399
Mechanical data		
Weight	[g]	281
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
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

