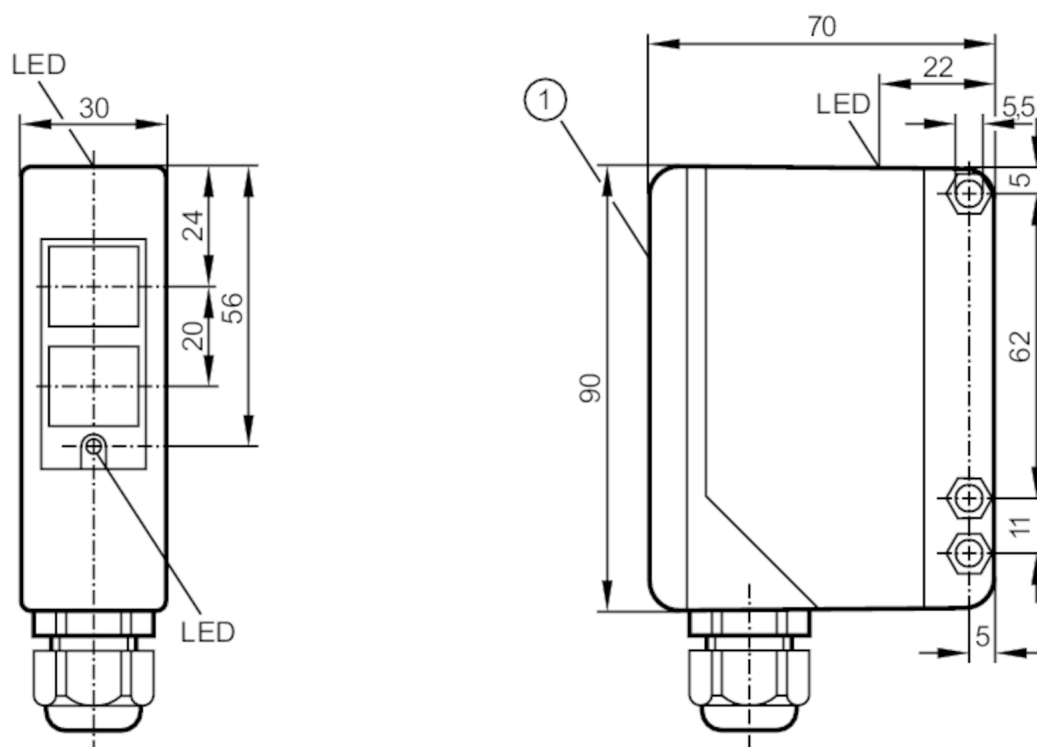




Diffuse reflection sensor

OAT-FCKG/T



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



Product characteristics

Type of light	infrared light
Housing	rectangular

Application

Special feature	Function check output
Function principle	Diffuse reflection 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]	875

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
Time function	[s]	0.5...10

Detection zone

Range	[mm]	5...2750; (white paper 300 x 300 mm)
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]	357

Mechanical data

Weight	[g]	291
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

Accessories

Items supplied	Angle bracket: 1, E20514
	screwdrivers

Remarks

Pack quantity	1 pcs.
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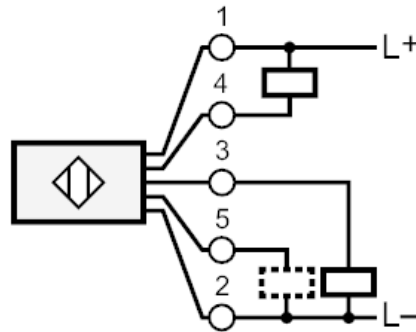
Diffuse reflection sensor

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Electrical connection

terminals: ...1.5 mm²; Cable gland: M16 X 1.5

Connection



5

Function check output