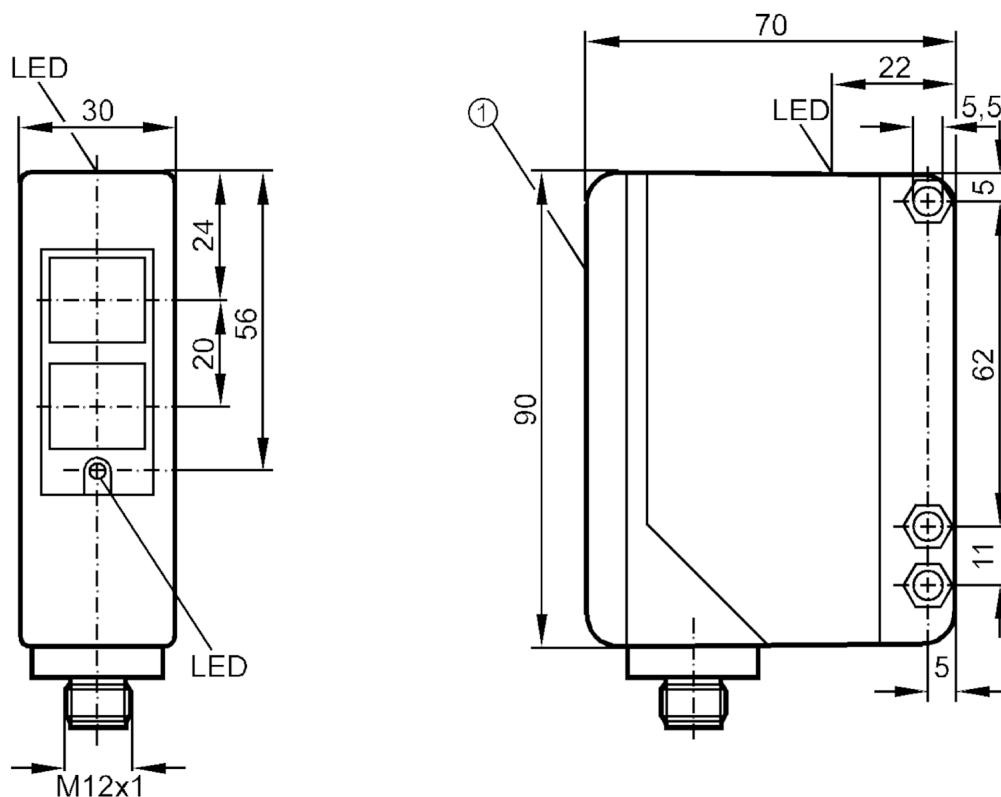




Diffuse reflection sensor

OAT-FPKG/US100

Article no longer available - archive entry



- 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

System	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]	880

Outputs

Electrical design	PNP
Output function	light-on/dark-on mode; (configurable)

OA8507



Diffuse reflection sensor

OAT-FPKG/US100

Max. voltage drop switching output DC [V]	2.5
Function check output	yes
Max. current load for function check output [mA]	10
Permanent current rating of switching output DC [mA]	250
Switching frequency DC [Hz]	300
Short-circuit protection	yes
Type of short-circuit protection	yes (non-latching)
Overload protection	yes

Monitoring range

Range [mm]	5...1500; (white paper 200 x 200 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

Mechanical data

Weight [g]	335.658
Housing	rectangular
Dimensions [mm]	90 x 30 x 70
Material	PPO modified
Lens material	PMMA

Displays / operating elements

Display	Switching status	1 x LED, yellow
	Power	1 x LED, green
	Function	1 x LED, red

Accessories

Items supplied	Angle bracket
	screwdrivers

Remarks

Pack quantity	1 pcs.
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Electrical connection

Connector: 1 x M12; coding: A



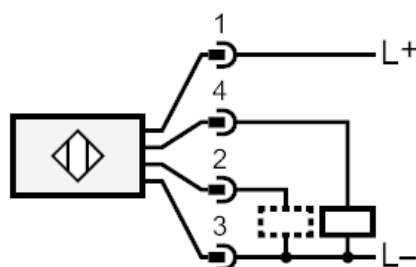
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Diffuse reflection sensor

OAT-FPKG/US100



Connection



2 Function check output