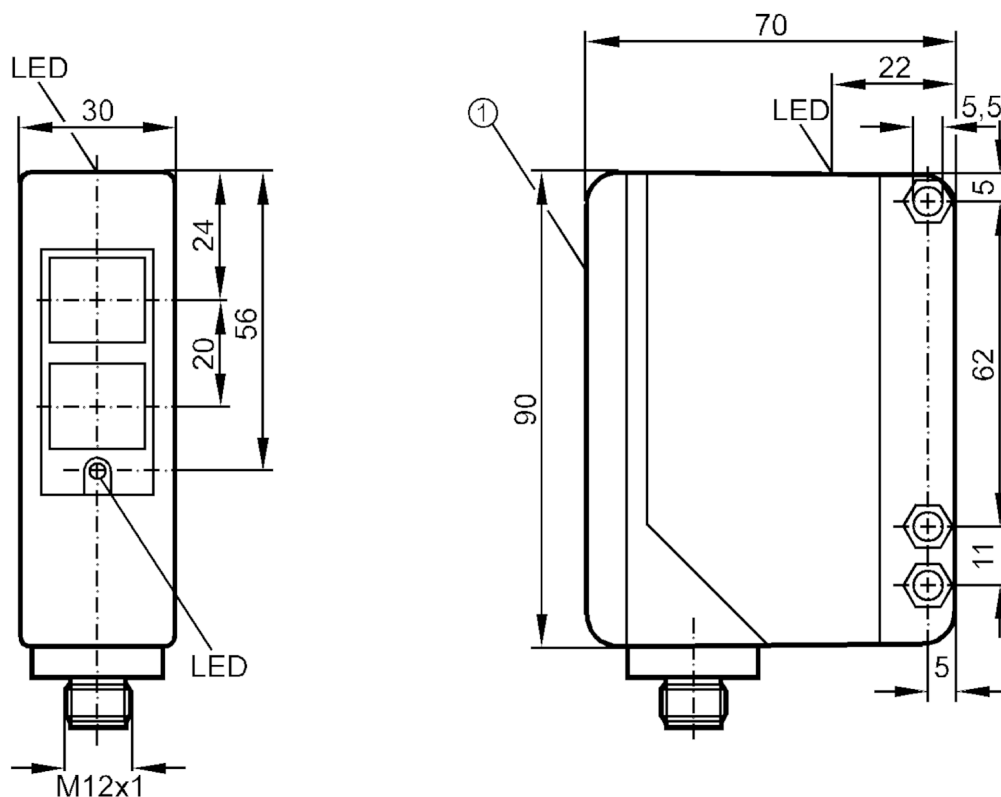




Diffuse reflection sensor

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

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]	880

Outputs

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



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		pulsed
Overload protection		yes

Detection zone

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
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

Accessories

Items supplied	Angle bracket
	screwdrivers

Remarks

Pack quantity	1 pcs.
---------------	--------

Electrical connection

Connector: 1 x M12; coding: A



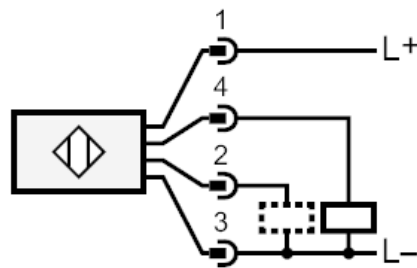
OA8507

Diffuse reflection sensor

OAT-FPKG/US100



Connection



2

Function check output