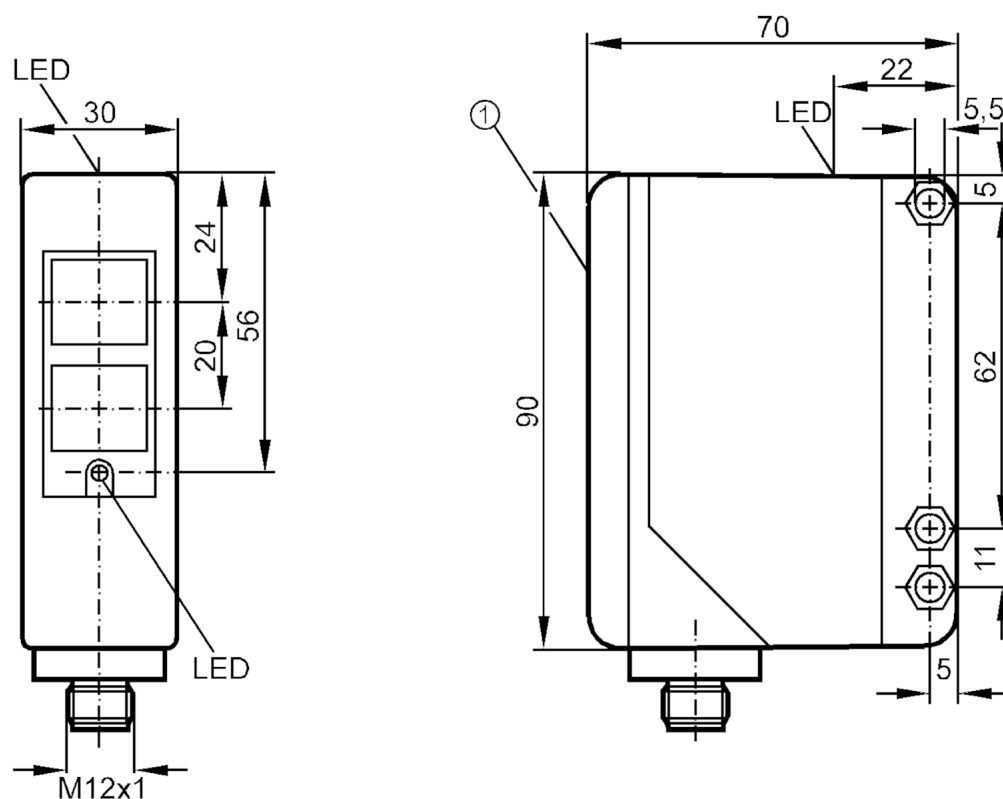


OA5120

Diffuse reflection sensor

OAT-FPKG/US



- 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; (programmable)
Function check output	yes



Diffuse reflection sensor

OAT-FPKG/US

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
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
MTTF	[years]	402
Mechanical data		
Weight	[g]	289.5
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
		screwdrivers
Remarks		
Pack quantity		1 pcs.

OA5120



Diffuse reflection sensor

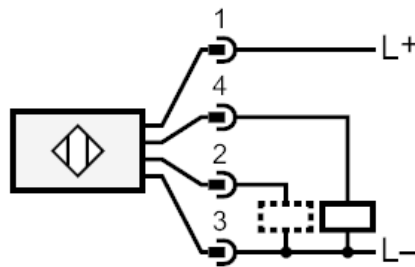
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Electrical connection

Connector: 1 x M12; coding: A



Connection



2 Function check output