

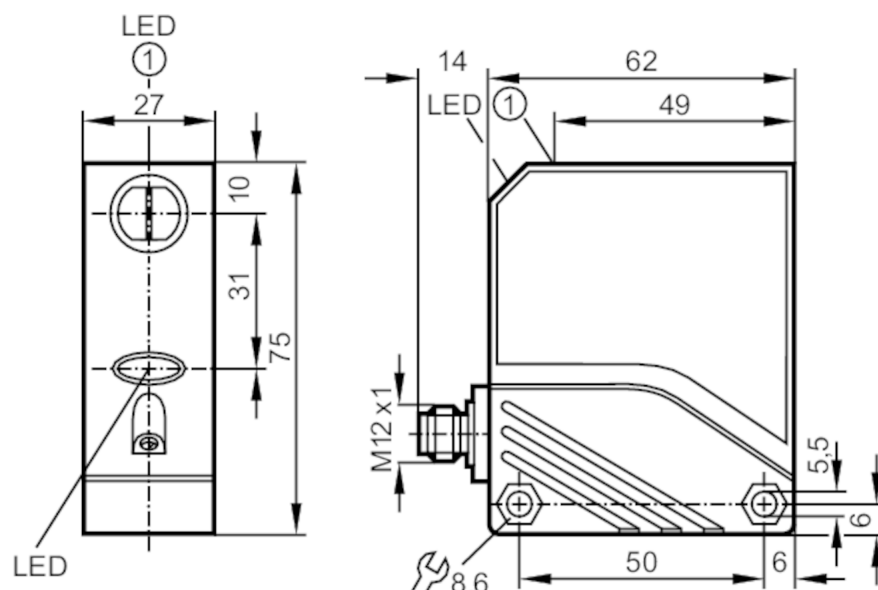
Diffuse reflection sensor

OLT-FPKG/US-100

Article no longer available - archive entry

Alternative articles: O5H500 + E21122

When selecting an alternative article and accessories please note that technical data may differ!



1 pushbutton

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]	< 37
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)
Max. voltage drop switching output DC [V]	2.5
Function check output	yes
Max. voltage drop of function check output [V]	3.5
Max. current load for function check output [mA]	10



Diffuse reflection sensor

OLT-FPKG/US-100

Permanent current rating of switching output DC	[mA]	100; (200 (...50 °C))
Switching frequency DC	[Hz]	500
Short-circuit protection		yes
Type of short-circuit protection		yes (non-latching)
Overload protection		yes

Monitoring range

Range	[mm]	1...1000; (white paper 200 x 200 mm 90 % remission)
Range adjustable		yes
Max. light spot diameter	[mm]	300
Light spot dimensions refer to		at maximum range

Operating conditions

Ambient temperature	[°C]	-25...80
Protection		IP 67

Tests / approvals

EMC	EN 60947-5-2	
	EN 55011	class B

Mechanical data

Housing		rectangular
Dimensions	[mm]	75 x 27 x 62
Material		PA; PBT
Lens material		PMMA

Displays / operating elements

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

Remarks

Pack quantity	1 pcs.
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Electrical connection

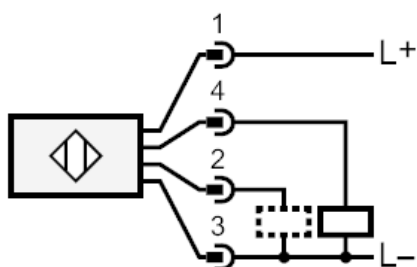
Connector: 1 x M12; coding: A



Diffuse reflection sensor

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Connection



2 Function check output

Diagrams and graphs

excess gain graph

