

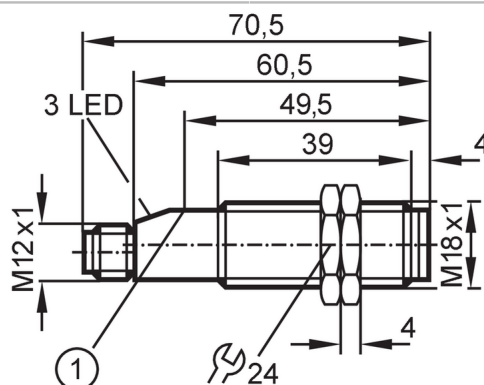
Diffuse reflection sensor

OGT-FPKG/V4A/US-100

Article no longer available - archive entry

Alternative articles: OGT300

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



1 pushbutton

Product characteristics

Type of light	infrared light
Housing	threaded type

Application

Special feature	Gold-plated contacts; Function check output
Function principle	Diffuse reflection sensor

Electrical data

Operating voltage [V]	10...36 DC
Current consumption [mA]	< 32
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)
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
Permanent current rating of switching output DC [mA]	200
Switching frequency DC [Hz]	500
Short-circuit protection	yes
Type of short-circuit protection	pulsed
Overload protection	yes



Diffuse reflection sensor

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Detection zone		
Range	[mm]	< 600; (white paper 200 x 200 mm)
Range adjustable		yes
Max. light spot diameter	[mm]	169
Light spot dimensions refer to		at maximum range

Operating conditions		
Ambient temperature	[°C]	-25...80
Protection		IP 68; IP 69K

Tests / approvals		
EMC	EN 60947-5-2	
	EN 55011	class B

Mechanical data		
Housing		threaded type
Dimensions	[mm]	M18 x 1 / L = 70.5
Thread designation		M18 x 1
Materials		housing: stainless steel (316L/1.4404); End cap: PBT
Lens material		front pane:PMMA

Displays / operating elements		
Display	switching status	1 x LED, yellow
	operation	1 x LED, green
	function	1 x LED, red

Accessories		
Items supplied		lock nuts: 2

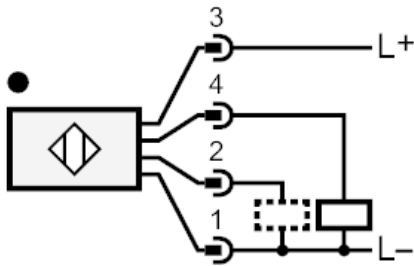
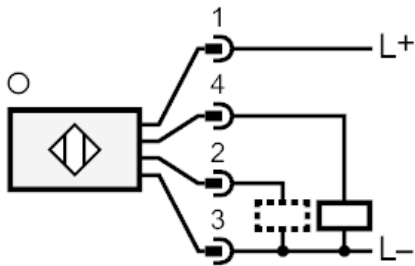
Remarks		
Pack quantity		1 pcs.

Electrical connection

Connector: 1 x M12; coding: A; Contacts: 4, gold-plated



Connection





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Diagrams and graphs

excess gain graph

