



Diffuse reflection sensor

OGT-FNKG/US-100 MIT 90GRAD WKL

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No scale drawing available

Product characteristics

Type of light	Infrared light
Housing	Threaded type

Application

System	Function check output
Function principle	Diffuse reflection sensor

Electrical data

Operating voltage	[V]	10...30 DC
Current consumption	[mA]	< 32
Protection class		II
Reverse polarity protection		yes
Type of light		Infrared light
Wave length	[nm]	880

Outputs

Electrical design		NPN
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
Permanent current rating of switching output DC	[mA]	200
Switching frequency DC	[Hz]	500
Short-circuit protection		yes

OG5076



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Type of short-circuit protection	yes (non-latching)
Overload protection	yes

Monitoring range	
Range [mm]	1...400; (white paper 200 x 200 mm 90 % remission)
Range adjustable	yes

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

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

Mechanical data	
Housing	Threaded type
Dimensions [mm]	M18 x 1
Thread designation	M18 x 1
Material	PC
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	lock nuts: 2

Remarks	
Pack quantity	1 pcs.

Electrical connection	
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Connector: 1 x M12; coding: A

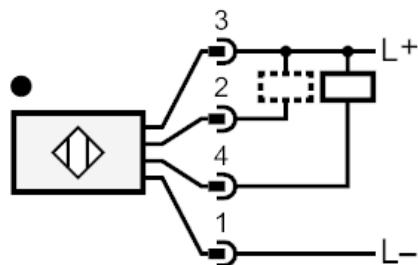
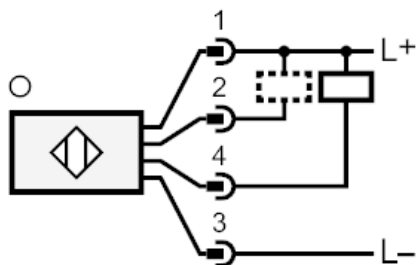




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Connection



2

Function check output