



Diffuse reflection sensor

OGT-FNKG/US-100 MIT 90GRAD WKL

Article no longer available - archive entry

No scale drawing available

Product characteristics

Type of light	infrared light
Housing	threaded type

Application

Special feature	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; (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

**Diffuse reflection sensor**

OGT-FNKG/US-100 MIT 90GRAD WKL

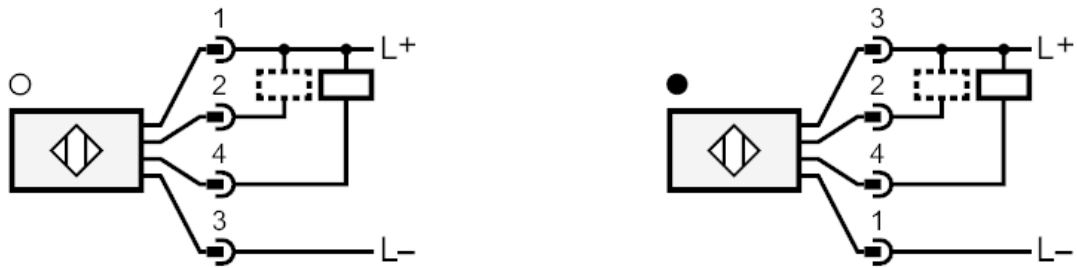
Type of short-circuit protection	pulsed	
Overload protection	yes	
Detection zone		
Range [mm]	1...400; (white paper 200 x 200 mm 90% remission)	
Range adjustable	yes	
Operating conditions		
Ambient temperature [°C]	-25...80	
Protection	IP 67	
Tests / approvals		
EMC	EN 60947-5-2	
	EN 55011	class B
Mechanical data		
Housing	threaded type	
Dimensions [mm]	M18 x 1	
Thread designation	M18 x 1	
Materials	PC	
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	lock nuts: 2	
Remarks		
Pack quantity	1 pcs.	
Electrical connection		
Connector: 1 x M12; coding: A		
		



Diffuse reflection sensor

OGT-FNKG/US-100 MIT 90GRAD WKL

Connection



2

Function check output