

OGT501



Diffuse reflection sensor

OGT-FPKG/2M



- 1 Programming buttons
2 LED 4 x 90°



Product characteristics

Type of light	red light
Housing	Threaded type

Application

Function principle	Diffuse reflection sensor
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Electrical data

Operating voltage	[V]	10...36 DC
Current consumption	[mA]	25
Protection class		II
Reverse polarity protection		yes
Type of light		red light
Wave length	[nm]	624

Outputs

Electrical design		PNP
Output function		light-on/dark-on mode; (programmable)
Max. voltage drop switching output DC	[V]	2.5
Permanent current rating of switching output DC	[mA]	150; (200 (...60 °C))
Switching frequency DC	[Hz]	2000
Short-circuit protection		yes
Type of short-circuit protection		yes (non-latching)
Overload protection		yes

Monitoring range

Range	[mm]	2...800; (white paper 200 x 200 mm 90 % remission)
Factory setting		light-on mode
Setting range	[mm]	150...800
Range adjustable		yes

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Max. light spot diameter	[mm]	66
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	
MTTF	[years]	473

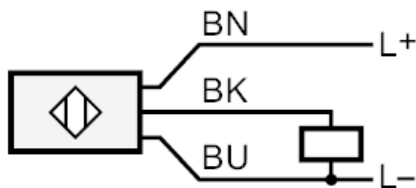
Mechanical data		
Weight	[g]	136.3
Housing		Threaded type
Dimensions	[mm]	M18 x 1 / L = 80.4
Thread designation		M18 x 1
Material		stainless steel (1.4404 / 316L); PA; LCP; EPDM; TPU (urethane)
Lens material		PMMA

Displays / operating elements		
Display	Switching status	1 x LED, yellow
Teach function		yes
Electronic lock		yes

Accessories		
Items supplied		lock nuts: 2

Remarks		
Remarks		cULus - Class 2 source required
Pack quantity		1 pcs.

Electrical connection		
Cable: 2 m, PUR; 3 x 0.34 mm²		
Connection		



	Core colors :
BK =	black
BN =	brown
BU =	blue



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Diagrams and graphs

excess gain graph

