

Diffuse reflection sensor

OGT-FPKG/US100



1 programming buttons



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; ("supply class 2" to cULus)
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		pulsed
Overload protection		yes

Detection zone

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
Max. light spot diameter	[mm]	66

OGT500



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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] _____ 58.4

Housing _____ threaded type

Dimensions [mm] _____ M18 x 1 / L = 72

Thread designation _____ M18 x 1

Materials _____ stainless steel (316L/1.4404); PA; LCP; EPDM; TPU

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

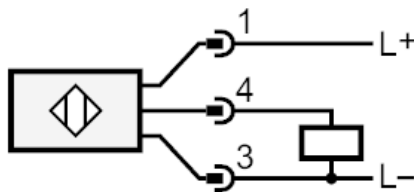
Pack quantity _____ 1 pcs.

Electrical connection

Connector: 1 x M12; coding: A



Connection





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Diagrams and graphs

excess gain graph

