

OGP500



Retro-reflective sensor

OGP-FPKG/US100



1 programming buttons



Product characteristics

Type of light	red light
Housing	threaded type

Application

Special feature	polarisation filter
Function principle	Retro-reflective sensor

Electrical data

Operating voltage [V]	10...36 DC
Current consumption [mA]	20
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 referred to prismatic reflector [m]	0.03...5; (Prismatic reflector Ø 80 E20005)
Factory setting	dark-on mode
Range adjustable	yes
Max. light spot diameter [mm]	200
Light spot dimensions refer to	at maximum range

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Polarisation filter available	yes
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Operating conditions

Ambient temperature [°C]	-25...80
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Protection	IP 67
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Tests / approvals

EMC	EN 60947-5-2
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MTTF [years]	431
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Mechanical data

Weight [g]	52.1
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Housing	threaded type
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Dimensions [mm]	M18 x 1 / L = 72
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Thread designation	M18 x 1
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Materials	stainless steel (316L/1.4404); PA; LCP; EPDM; TPU
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Lens material	front pane:PMMA
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Displays / operating elements

Display	switching status	1 x LED, yellow
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Accessories

Items supplied	lock nuts: 2
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Remarks

Remarks	operating voltage "supply class 2" according to cULus
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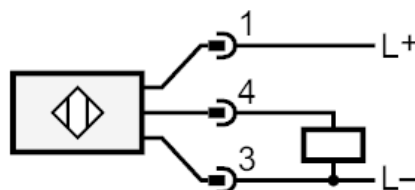
Pack quantity	1 pcs.
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Electrical connection

Connector: 1 x M12; coding: A



Connection



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Diagrams and graphs

excess gain graph

