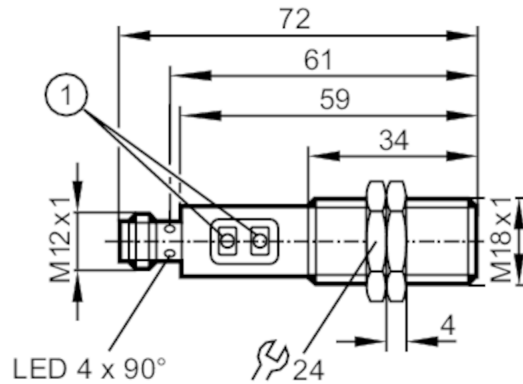


OGP500



Retro-reflective sensor

OGP-FPKG/US100



1 Programming buttons



Product characteristics

Type of light	red light
Housing	Threaded type

Application

System	polarization 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	yes (non-latching)
Overload protection	yes

Monitoring range

Range referred to prismatic reflector [m]	0.03...5; (Prismatic reflector Ø 80 E20005)
Factory setting	dark-on mode
Range adjustable	yes

OGP500



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Max. light spot diameter [mm]	200
Light spot dimensions refer to	at maximum range
Polarization filter available	yes

Operating conditions

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

Tests / approvals

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

Mechanical data

Weight [g]	52.1
Housing	Threaded type
Dimensions [mm]	M18 x 1 / L = 72
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
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Accessories

Items supplied	lock nuts: 2
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Remarks

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

Electrical connection

Connector: 1 x M12; coding: A



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Connection



Diagrams and graphs

excess gain graph

