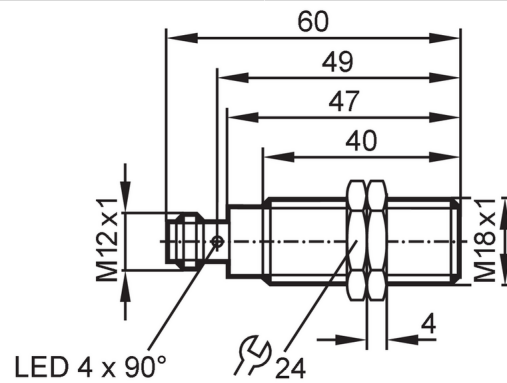


OGP300



Retro-reflective sensor

OGP-DPKG/US100



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]	15
Protection class	II
Reverse polarity protection	yes
Type of light	red light
Wave length [nm]	624

Outputs

Electrical design	PNP
Output function	dark-on mode
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]	1000
Short-circuit protection	yes
Type of short-circuit protection	pulsed
Overload protection	yes

Detection zone

Range referred to prismatic reflector [m]	0.03...4; (Prismatic reflector Ø 80 E20005)
Range adjustable	no
Max. light spot diameter [mm]	160
Light spot dimensions refer to	at maximum range
Polarisation filter available	yes

OGP300



Retro-reflective sensor

OGP-DPKG/US100

Operating conditions

Ambient temperature	[°C]	-25...80
Protection		IP 65; IP 67; IP 68; IP 69K

Tests / approvals

EMC		EN 60947-5-2
MTTF	[years]	509

Mechanical data

Weight	[g]	55
Housing		threaded type
Dimensions	[mm]	M18 x 1 / L = 60
Thread designation		M18 x 1
Materials		housing: stainless steel (316L/1.4404); Sealing: EPDM
Lens material		front pane: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

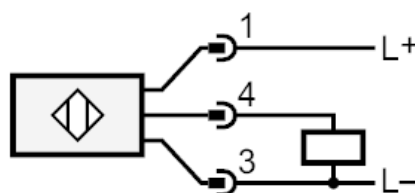
Remarks		operating voltage "supply class 2" according to cULus
Pack quantity		1 pcs.

Electrical connection

Connector: 1 x M12; coding: A



Connection



OGP300



Retro-reflective sensor

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Diagrams and graphs

excess gain graph

