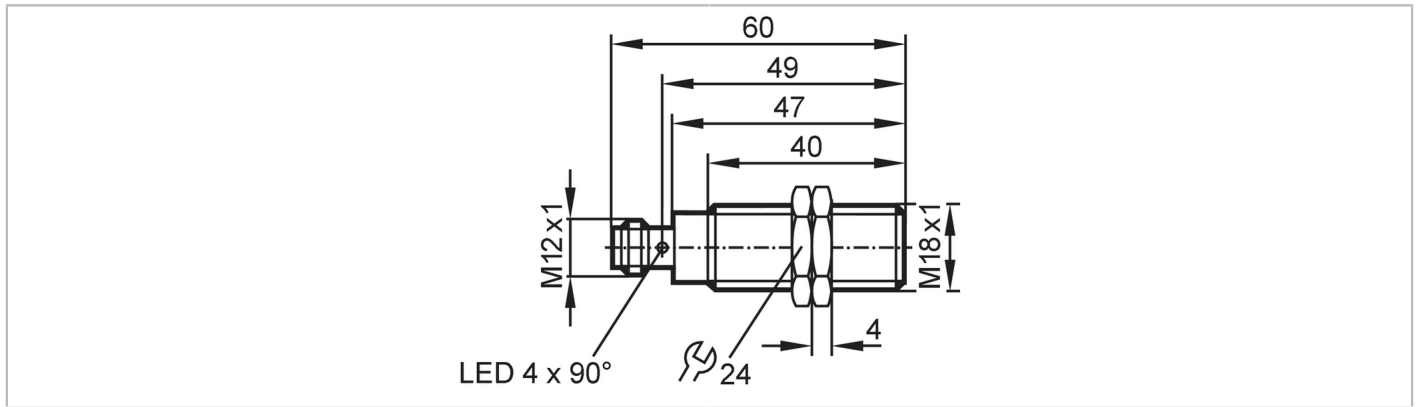


# OGP300



## 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
Application	food and beverage industry
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

# OGP300



## Retro-reflective sensor

OGP-DPKG/US100

Polarisation filter available	yes
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### 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

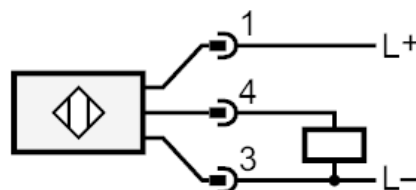
Remarks	operating voltage "supply class 2" according to cULus
Pack quantity	1 pcs.

### Electrical connection

Connector: 1 x M12; coding: A; Contacts: 4



### Connection



# OGP300



## Retro-reflective sensor

OGP-DPKG/US100

### Diagrams and graphs

excess gain graph

