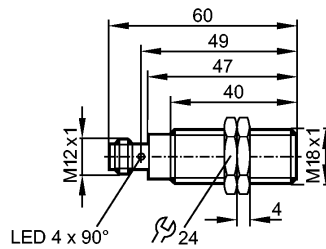


OGP301

OGP-HPKG/US100

Photoelectric sensors



Made in Germany



Product characteristics

Retro-reflective sensor
Threaded type
M18 x 1
Connector
Polarisation filter
Sensing range 0.03...4m (Prismatic reflector Ø 80 (E20005))

Electrical data

Electrical design	DC PNP
Operating voltage [V]	10...36 DC
Current consumption [mA]	15
Type of light	Red light 624 nm
Protection class	II
Reverse polarity protection	yes

Outputs

Output function	light-on mode
Voltage drop [V]	< 2.5
Current rating [mA]	200 (...60 °C) / 150 (...80 °C)
Short-circuit protection	pulsed
Overload protection	yes
Switching frequency [Hz]	1000

Range

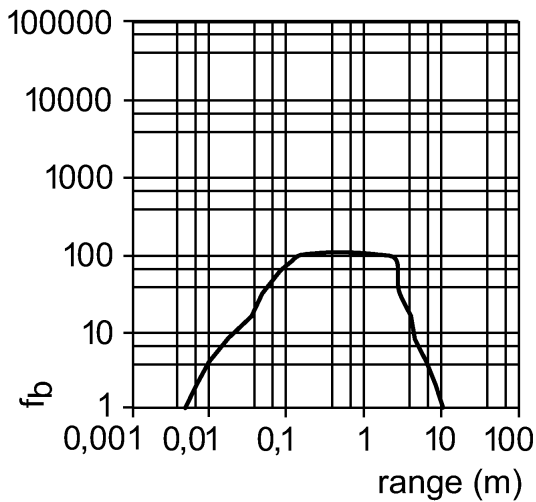
Sensing range [m]	0.03...4 (Prismatic reflector Ø 80 (E20005))
Light spot diameter [mm]	160 (at maximum range)

Excess gain graphs

OGP301

OGP-HPKG/US100

Photoelectric sensors



Environment

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

Tests / approvals

EMC		EN 60947-5-2
MTTF	[Years]	500

Mechanical data

Housing materials		housing: stainless steel 316L / 1.4404; sealing: EPDM
Lens material		PMMA
Weight	[kg]	0.056

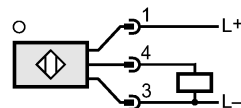
Displays / operating elements

Output status indication	LED	yellow
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Electrical connection

Connection		M12 connector
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Wiring



Accessories

Accessories (included)		2 lock nuts
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Remarks

Remarks		cULus - Class 2 source required
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Pack quantity	[piece]	1
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