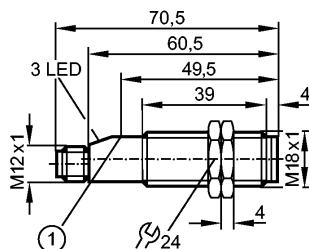


OG5119

OGH-FPKG/V4A/US-100

Photoelectric sensors



1: pushbutton


Product characteristics

Diffuse reflection sensor

Threaded type

M18 x 1

Quick disconnect

Background suppression

gold-plated contacts

Range 30...130mm (Range referred to white paper 200 x 200 mm, 90 % remission)

adjustable

Electrical data

Electrical design	DC PNP
Operating voltage [V]	10...36 DC
Current consumption [mA]	< 40
Type of light	red light 660 nm
Protection class	II
Reverse polarity protection	yes

Outputs

Output function	light-on / dark-on programmable
Voltage drop [V]	< 2.5
Current rating [mA]	150; 200 (...60 °C)
Short-circuit protection	yes (non-latching)
Overload protection	yes
Switching frequency [Hz]	250

Monitoring range

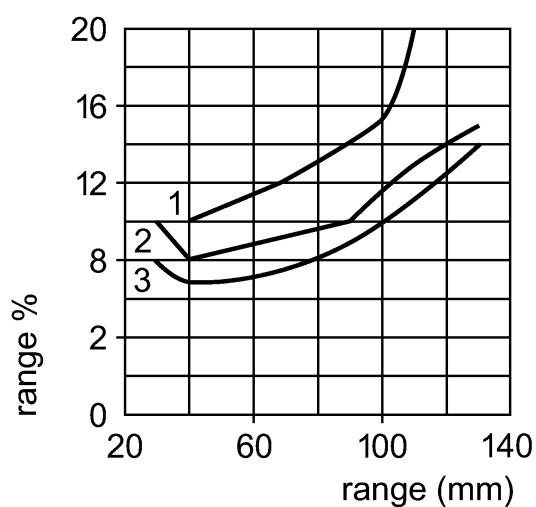
Range [mm]	30...130 (Range referred to white paper 200 x 200 mm, 90 % remission)
Light spot diameter [mm]	12 (at maximum range)

Background suppression chart

OG5119

OGH-FPKG/V4A/US-100

Photoelectric sensors



1 = object black 6 % remission, background white 90 % remission 2 = object gray 18 % remission, background white 90 % remission 3 = object white 90 % remission, background white 90 % remission Note: range % = setting in % of the range

Environment

Ambient temperature	[°C]	-20...80
Protection		IP 68 / IP 69K

Tests / approvals

EMC	EN 60947-5-2 EN 55011:	class B
MTTF	[Years]	521

Mechanical data

Housing materials	stainless steel 316L / 1.4404; PBT
Lens material	PMMA
Weight	[kg] 0.068

Displays / operating elements

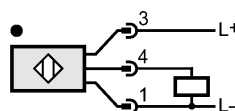
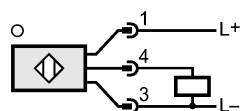
Output status indication	LED	yellow
Power	LED	green
Function display	LED	red

Electrical connection

Connection	M12 connector; gold-plated contacts
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Wiring

n.c. = not connected


Accessories

Accessories (included)	2 lock nuts
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Remarks

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