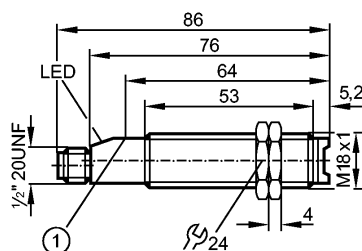


OG0035

OGT-HBOA/LS-100-GK

Photoelectric sensors



1: pushbutton


Product characteristics

Diffuse reflection sensor

Threaded type

M18 x 1

Quick disconnect

Range 1...600mm (Range referred to white paper 200 x 200 mm, 90 % remission)

adjustable

Electrical data

Electrical design	AC/DC
Operating voltage [V]	20...250 AC/DC (47...63 Hz AC)
Type of light	Infrared light 880 nm
Protection class	II
Reverse polarity protection	no

Outputs

Output function	light-on mode
Voltage drop [V]	< 8
Minimum load current [mA]	5
Leakage current [mA]	< 1.7

Current rating

- Current rating (continuous) [mA]	90; 180 (...40 °C)
- Current rating (peak) [mA]	î: 0.6 A (20 ms / 0.5 Hz)
Short-circuit proof	no
Overload protection	no
Switching frequency [Hz]	25

Monitoring range

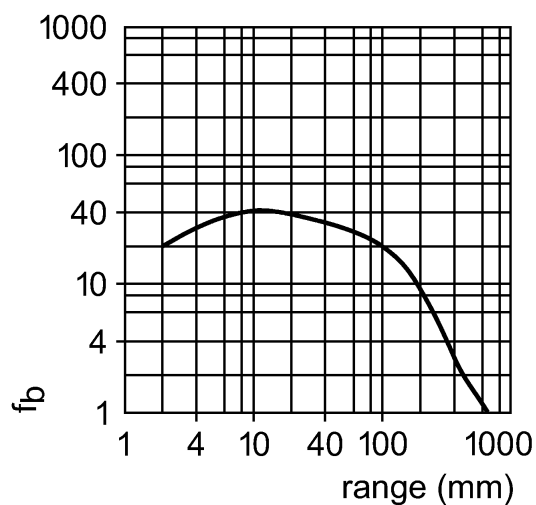
Range [mm]	1...600 (Range referred to white paper 200 x 200 mm, 90 % remission)
Light spot diameter [mm]	< 169 (at maximum range)

Excess gain graphs

OG0035

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Photoelectric sensors



Environment

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

Tests / approvals

EMC		EN 60947-5-2 EN 55011:	class B
MTTF	[Years]		338

Mechanical data

Housing materials		PBT
Lens material		PMMA
Weight	[kg]	0.046

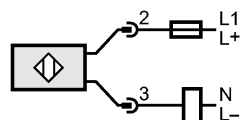
Displays / operating elements

Output status indication	LED	red (permanently lit)
Function display	LED	red (flashing)

Electrical connection

Connection		1/2" connector
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Wiring



Note: miniature fuse to IEC60127-2 sheet 1,
≤ 2 A (fast acting)

Accessories

Accessories (included)		2 lock nuts
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Remarks

Remarks		Recommendation: check the unit for reliable function after a short circuit.
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Pack quantity	[piece]	1
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