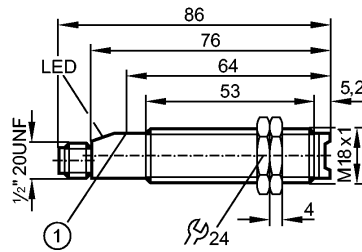


OG0033

OGP-DBOA/LS-100-AK

Photoelectric sensors



1: pushbutton

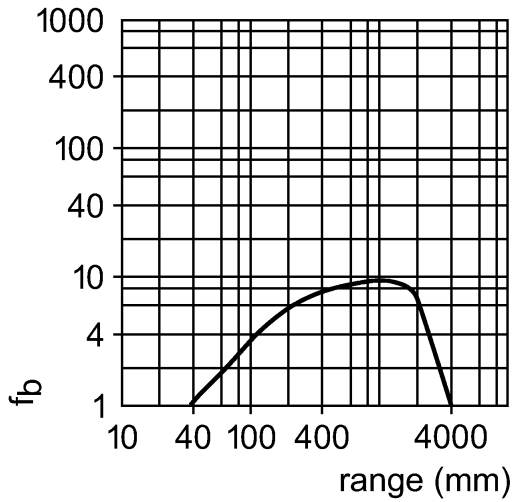


Product characteristics	
Retro-reflective sensor	
Threaded type	
M18 x 1	
Quick disconnect	
Polarization filter	
Sensing range 3m (Prismatic reflector Ø 80 (E20005))	
adjustable	
Electrical data	
Electrical design	AC/DC
Operating voltage [V]	20...250 AC/DC (47...63 Hz AC)
Type of light	red light 660 nm
Protection class	II
Reverse polarity protection	no
Outputs	
Output function	dark-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	
Sensing range [m]	3 (Prismatic reflector Ø 80 (E20005))
Light spot diameter [mm]	262 (at maximum range)
Excess gain graphs	

OG0033

OGP-DBOA/LS-100-AK

Photoelectric sensors



Environment

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

Tests / approvals

EMC		EN 60947-5-2 EN 55011:	class B
MTTF	[Years]		339

Mechanical data

Housing materials		PBT
Lens material		PMMA
Weight	[kg]	0.046

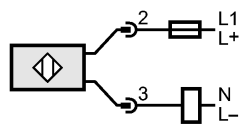
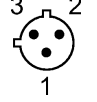
Displays / operating elements

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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