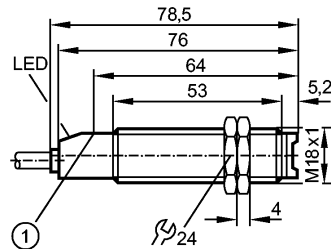




OGE-HBOA

Photoelectric sensors



1: pushbutton



Product characteristics

Through-beam sensor

Threaded type

M18 x 1

Cable

Receiver

Sensing range 15m

adjustable

Electrical data

Electrical design

Operating voltage [V]

Type of light

Protection class

Reverse polarity protection

Outputs

Output function

Voltage drop [V]

Minimum load current [mA]

Leakage current [mA]

Current rating

- Current rating (continuous) [mA]

- Current rating (peak) [mA]

Short-circuit proof

Overload protection

Switching frequency [Hz]

Monitoring range

Sensing range [m]

Excess gain graphs

AC/DC

20...250 AC/DC (47...63 Hz AC)

Infrared light 880 nm

II

no

light-on mode

< 8

5

< 1.7

90; 180 (...40 °C)

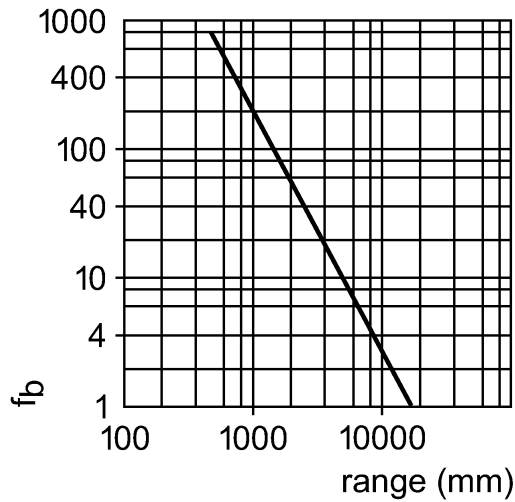
\hat{i} : 0.6 A (20 ms / 0.5 Hz)

no

no

25

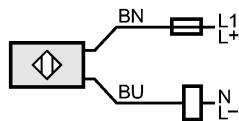
15



Environment	
Ambient temperature [°C]	-25...80
Protection	IP 67
Tests / approvals	
EMC	EN 60947-5-2 EN 55011: class B
MTTF [Years]	334
Mechanical data	
Housing materials	PBT
Lens material	PMMA
Weight [kg]	0.139
Displays / operating elements	
Output status indication LED	red (permanently lit)
Function display LED	red (flashing)
Electrical connection	
Connection	PVC cable / 2 m; 2 x 0.5 mm ²

Wiring

Core colors
 BN brown
 BU blue



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

Accessories	
Accessories (included)	2 lock nuts
Remarks	
Remarks	Recommendation: check the unit for reliable function after a short circuit.
Pack quantity [piece]	1