

1: pushbutton



Product characteristics

Retro-reflective sensor

Threaded type

M18 x 1

Cable

Polarization filter

Sensing range 3m (Prismatic reflector Ø 80 (E20005))

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]

Light spot diameter [mm]

Excess gain graphs

AC/DC

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

red light 660 nm

II

no

light-on mode

< 8

5

< 1.7

90; 180 (...40 °C)

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

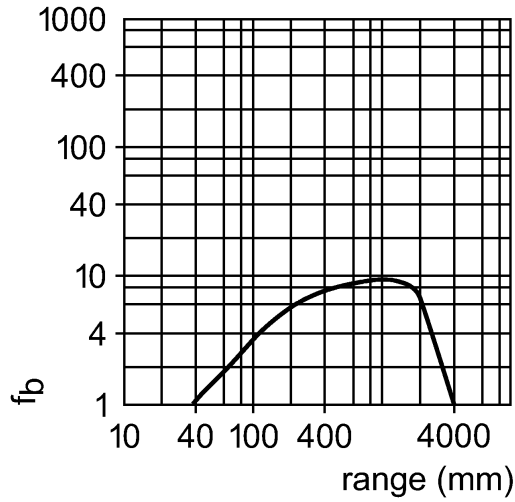
no

no

25

3 (Prismatic reflector Ø 80 (E20005))

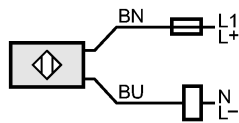
262 (at maximum range)



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]	0.138
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