

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

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]

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

Short-circuit proof

no

Overload protection

no

Switching frequency [Hz]

25

**Monitoring range**

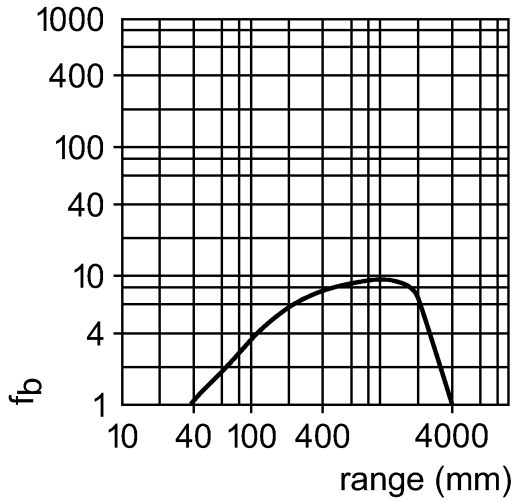
Sensing range [m]

3 (Prismatic reflector Ø 80 (E20005))

Light spot diameter [mm]

262 ( at maximum range )

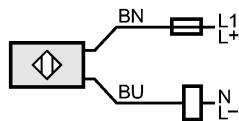
**Excess gain graphs**



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 <sup>2</sup>

**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