

1: pushbutton



Product characteristics

Retro-reflective sensor

Rectangular, plastics

Terminals

Polarization filter

Sensing range 0.3...5m (Prismatic reflector Ø 80 (E20005))

adjustable

Electrical data

Electrical design

Operating voltage [V]

Power consumption [VA]

Type of light

Protection class

Reverse polarity protection

Outputs

Output function

Contact rating

Short-circuit proof

Overload protection

Switching frequency [Hz]

Monitoring range

Sensing range [m]

Range referred to prismatic reflector[m]

Light spot diameter [mm]

Excess gain graphs

AC/DC relay

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

< 4

red light 660 nm

II

no

light-on / dark-on programmable

250 V AC / 3 A / 960 VA, 125 V DC / 5 A / 120 W

no

no

10

0.3...5 (Prismatic reflector Ø 80 (E20005))

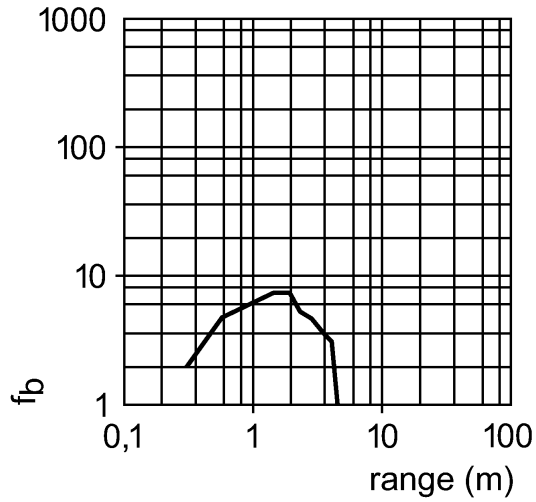
Ø 80 0.3...5

Ø 40 0.3...3

Ø 22 0.3...2

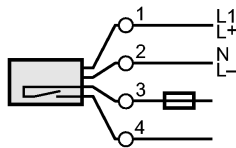
250 (at maximum range)

OL0004 - Retro-reflective sensor - eclass: 27270902 / 27-27-09-02



Environment	
Ambient temperature [°C]	-25...80
Protection	IP 67
Tests / approvals	
EMC	EN 60947-5-2 EN 55011: class B
MTTF [Years]	256
Mechanical data	
Housing materials	PA; PBT
Lens material	PMMA
Weight [kg]	0.164
Displays / operating elements	
Output status indication LED	yellow
Power LED	green
Function display LED	red
Electrical connection	
Connection	terminals up to 1.5 mm ² ; cable diameter 4.5...10 mm, cable gland M16 x 1.5

Wiring



Note: miniature fuse to IEC60127-2 sheet 1, ≤ 5 A (fast acting)

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