

1: pushbutton



Product characteristics  
Diffuse reflection sensor

Rectangular, plastics

Terminals

Range 1...1000mm (Range referred to white paper 200 x 200 mm, 90 % remission)

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

Range [mm]

Light spot diameter [mm]

**Excess gain graphs**

AC/DC relay

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

< 4

Infrared light 880 nm

II

no

light-on / dark-on programmable

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

no

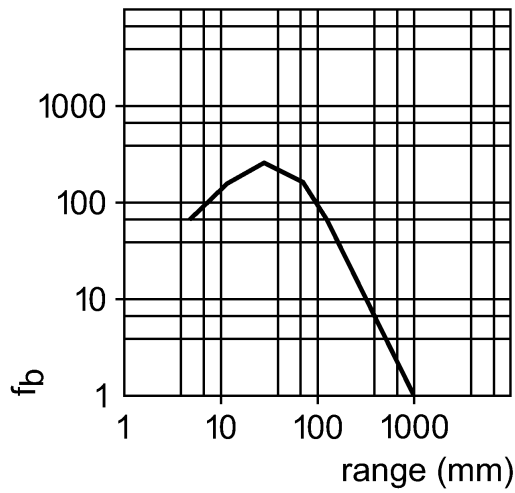
no

10

1...1000 (Range referred to white paper 200 x 200 mm, 90 % remission)

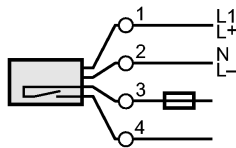
< 300 ( at maximum range )

**OL0005 - Diffuse reflection sensor - eclass: 27270903 / 27-27-09-03**



Environment	
Ambient temperature [°C]	-25...80
Protection	IP 67
Tests / approvals	
EMC	EN 60947-5-2 EN 55011: class B
MTTF [Years]	226
Mechanical data	
Housing materials	PA; PBT
Lens material	PMMA
Weight [kg]	0.17
Displays / operating elements	
Output status indication LED	yellow
Power LED	green
Function display LED	red
Electrical connection	
Connection	terminals up to 1.5 mm <sup>2</sup> ; 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