

1: pushbutton

Made in Germany



**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	AC/DC relay
Operating voltage [V]	20...250 AC/DC (47...63 Hz AC)
Power consumption [VA]	< 4
Type of light	Infrared light 880 nm
Protection class	II
Reverse polarity protection	no

**Outputs**

Output function	light-on / dark-on programmable
Contact rating	250 V AC / 3 A / 960 VA, 125 V DC / 5 A / 120 W
Short-circuit proof	no
Overload protection	no
Switching frequency [Hz]	10

**Range**

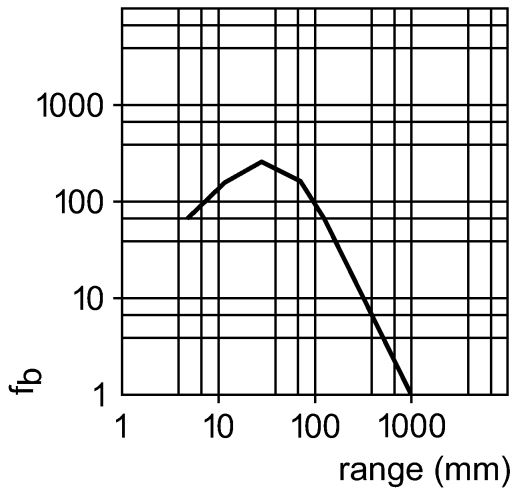
Range [mm]	1...1000 (Range referred to white paper 200 x 200 mm, 90 % remission)
Light spot diameter [mm]	< 300 ( at maximum range )

**Excess gain graphs**

## OL0005

OLT-FKOA

Photoelectric sensors



### 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

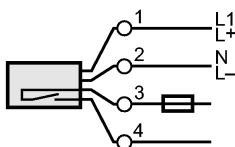
### Displays / operating elements

Output status indication	LED	yellow
Operation	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
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### 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.
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Pack quantity	[piece]	1
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