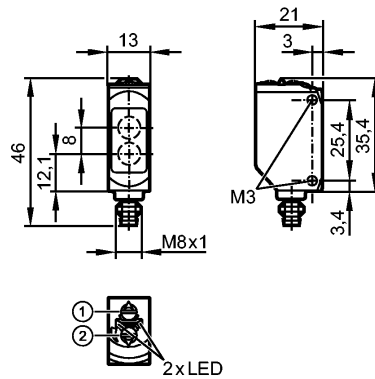


**O6P203**

O6P-FPKG/AS/4P

Photoelectric sensors



- 1: output function switch
- 2: potentiometer sensitivity

Receiver in upper lens, transmitter in lower lens



**Product characteristics**

Retro-reflective sensor
Rectangular, plastics
Connector
Polarisation filter
adjustable
Sensing range 0.05...5m (Prismatic reflector Ø 80 (E20005))

**Electrical data**

Electrical design	DC PNP
Operating voltage [V]	10...30 DC
Current consumption [mA]	12 (24 V)
Type of light	Red light 633 nm
Protection class	III
Reverse polarity protection	yes

**Outputs**

Output function	light-on/dark-on mode selectable
Voltage drop [V]	< 2.5
Current rating [mA]	100
Short-circuit protection	pulsed
Switching frequency [Hz]	1000

**Range**

Sensing range [m]	0.05...5 (Prismatic reflector Ø 80 (E20005))
Light spot diameter [mm]	150 ( at maximum range )

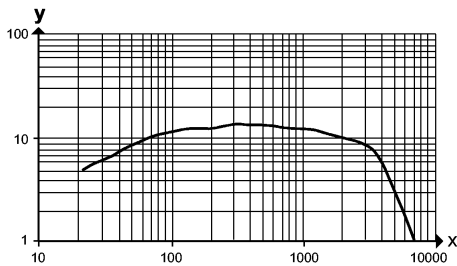
**Excess gain graphs**

x: distance in [mm]  
y: excess gain factor

## O6P203

O6P-FPKG/AS/4P

Photoelectric sensors



### Environment

Ambient temperature	[°C]	-25...60
Protection		IP 65 / IP 67

### Tests / approvals

EMC		EN 60947-5-2
MTTF	[Years]	683
UL approval number		E001

### Mechanical data

Housing materials		housing: ABS; PPSU; connector thread: Brass coated; sealing: EPDM
Lens material		PMMA
Weight	[kg]	0.019
Tightening torque [Nm]		0.5

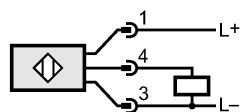
### Displays / operating elements

Output status indication	LED	yellow
Operation	LED	green

### Electrical connection

Connection		M8 connector
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### Wiring



### Remarks

Remarks		cULus - Class 2 source required
Pack quantity	[piece]	1