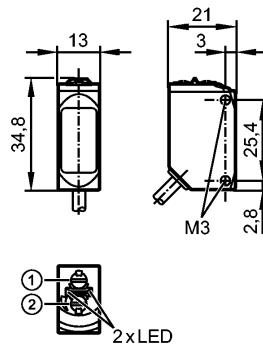


**O6P300**

O6P-FPKG

Photoelectric sensors



- 1: output function switch
- 2: potentiometer sensitivity

Made in Germany



**Product characteristics**

Retro-reflective sensor
Rectangular Metal
Cable
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 )

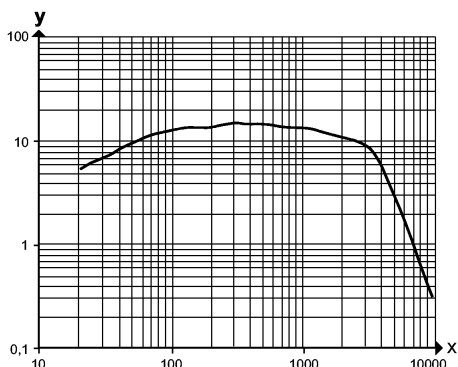
**Excess gain graphs**

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

## O6P300

O6P-FPKG

Photoelectric sensors



### Environment

Ambient temperature	[°C]	-25...80
Protection		IP 65 / IP 67 ; IP 68 / IP 69K

### Tests / approvals

EMC		EN 60947-5-2
MTTF	[Years]	908
UL approval number		E003

### Mechanical data

Housing materials		housing: stainless steel 316L / 1.4404; plastics: PPSU
Lens material		PMMA
Weight	[kg]	0.083

### Displays / operating elements

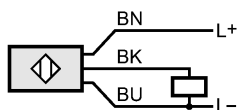
Output status indication	LED	yellow
Operation	LED	green

### Electrical connection

Connection		PVC cable / 2 m; 3 x 0.25 mm <sup>2</sup>
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### Wiring

Core colours  
 BN brown  
 BK black  
 BU blue



### Remarks

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