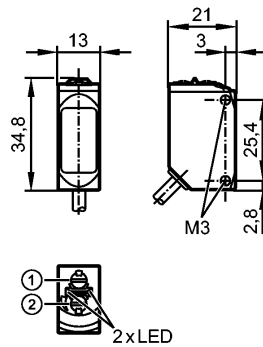


**O6E301**

O6E-FPKG/0.30m/US

Photoelectric sensors



- 1: output function switch
- 2: potentiometer sensitivity

Made in Germany



**Product characteristics**

Through-beam sensor
Rectangular Metal
Cable with connector
adjustable
Receiver
Sensing range 10m

**Electrical data**

Electrical design	DC PNP
Operating voltage [V]	10...30 DC
Current consumption [mA]	20 (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]	10
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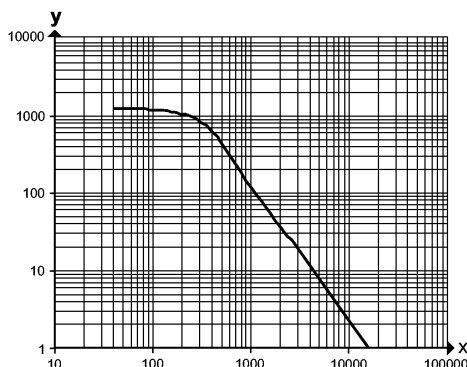
**Excess gain graphs**

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

**O6E301**

O6E-FPKG/0.30m/US

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]	1014
UL approval number		E006

**Mechanical data**

Housing materials		housing: stainless steel 316L / 1.4404; plastics: PPSU
Lens material		PMMA
Weight	[kg]	0.053

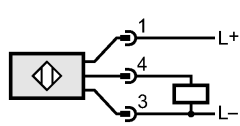
**Displays / operating elements**

Output status indication	LED	yellow
Operation	LED	green

**Electrical connection**

Connection		PVC cable / 0.3 m; 4 x 0.25 mm <sup>2</sup> ; with M12 connector
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**Wiring**



**Remarks**

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