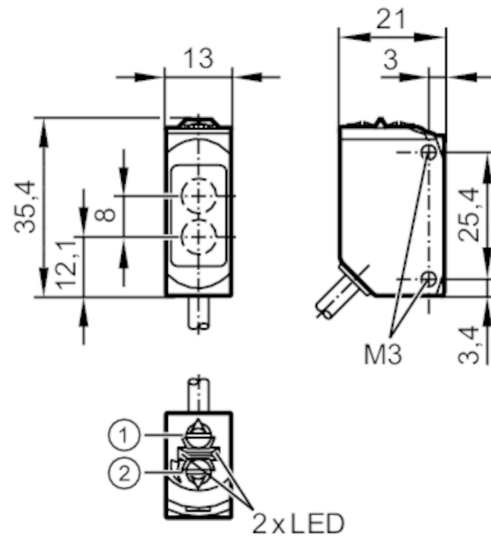


# O6P201



## Retro-reflective sensor

O6P-FPKG/0,30m/US



- 1 output function switch
  - 2 potentiometer sensitivity
- receiver in upper lens  
transmitter in lower lens



### Application

Function principle Retro-reflective sensor

### Electrical data

Operating voltage [V]	10...30 DC
Current consumption [mA]	12; ((24 V))
Protection class	III
Reverse polarity protection	yes
Type of light	red light
Wave length [nm]	633

### Outputs

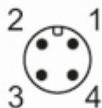
Electrical design	PNP
Output function	light-on/dark-on mode; (selectable)
Max. voltage drop switching output DC [V]	2.5
Permanent current rating of switching output DC [mA]	100
Switching frequency DC [Hz]	1000
Short-circuit protection	yes
Type of short-circuit protection	pulsed

# O6P201



## Retro-reflective sensor

O6P-FPKG/0,30m/US

Detection zone		
Range referred to prismatic reflector [m]	0.05...5; (Prismatic reflector Ø 80 E20005)	
Range adjustable	yes	
Max. light spot diameter [mm]	150	
Light spot dimensions refer to	at maximum range	
Polarisation filter available	yes	
Operating conditions		
Ambient temperature [°C]	-25...60	
Protection	IP 65; IP 67	
Tests / approvals		
EMC	EN 60947-5-2	
MTTF [years]	895	
UL approval	UL Approval no.	E012
Mechanical data		
Weight [g]	34.2	
Housing	rectangular	
Dimensions [mm]	35.4 x 13 x 21	
Materials	housing: ABS; PPSU; Sealing: EPDM	
Lens material	PMMA	
Lens alignment	side lens	
Tightening torque [Nm]	0.5	
Displays / operating elements		
Display	switching status	1 x LED, yellow
	operation	1 x LED, green
Remarks		
Remarks	operating voltage "supply class 2" according to cULus	
Pack quantity	1 pcs.	
Electrical connection		
Cable: 0.3 m, PUR; 3 x 0.25 mm <sup>2</sup>		
Connector: 1 x M12		
		

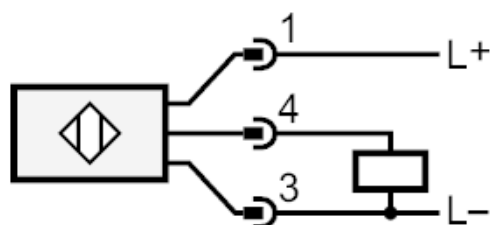
# O6P201



## Retro-reflective sensor

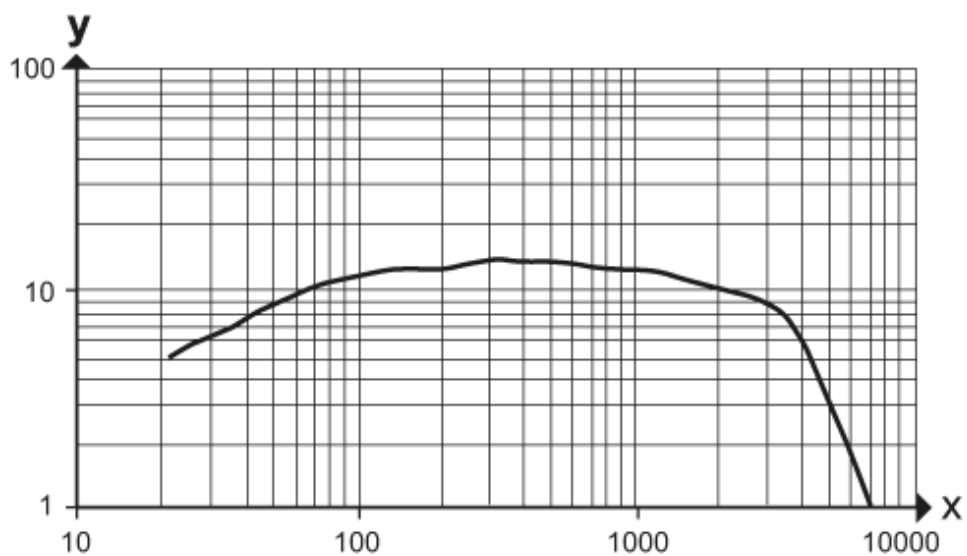
O6P-FPKG/0,30m/US

### Connection



### Diagrams and graphs

excess gain graph



x: Abstand [mm]

y: Funktionsreservfaktor