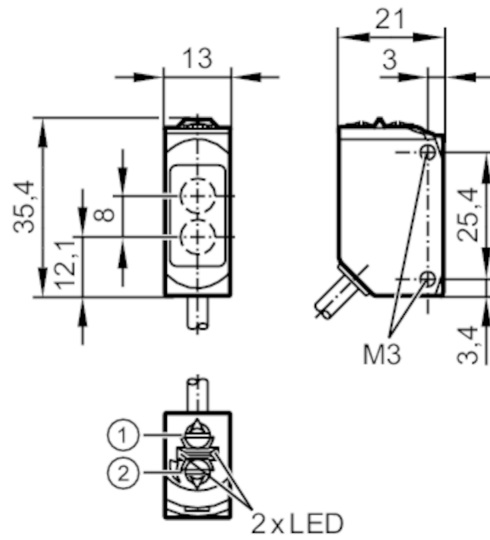


O6P201



Retro-reflective sensor

O6P-FPKG/0,30m/US



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



Product characteristics	
Type of light	red light
Housing	rectangular
Application	
System	polarization filter
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	yes (non-latching)

O6P201



Retro-reflective sensor

O6P-FPKG/0,30m/US

Monitoring range	
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
Polarization filter available	yes

Operating conditions	
Ambient temperature [°C]	-25...60
Storage temperature [°C]	-40...70
Max. relative air humidity [%]	50; (70° C)
Protection	IP 65; IP 67

Tests / approvals		
EMC	EN 60947-5-2	
MTTF [years]	895	
UL approval	Ta	-25...50 °C
	Enclosure type	Type 1
	voltage supply	Class 2
	UL approval number	E012

Mechanical data	
Weight [g]	33.2
Housing	rectangular
Dimensions [mm]	35.4 x 13 x 21
Material	housing: ABS; PPSU; sealing: EPDM
Lens material	PMMA
Lens alignment	Side sensing
Tightening torque [Nm]	0.5

Displays / operating elements		
Display	Switching status	1 x LED, yellow
	Power	1 x LED, green

Remarks	
Remarks	cULus - Class 2 source required
Pack quantity	1 pcs.

Electrical connection

Cable: 0.3 m, PUR; 3 x 0.25 mm²

Connector: 1 x M12; coding: A





Retro-reflective sensor

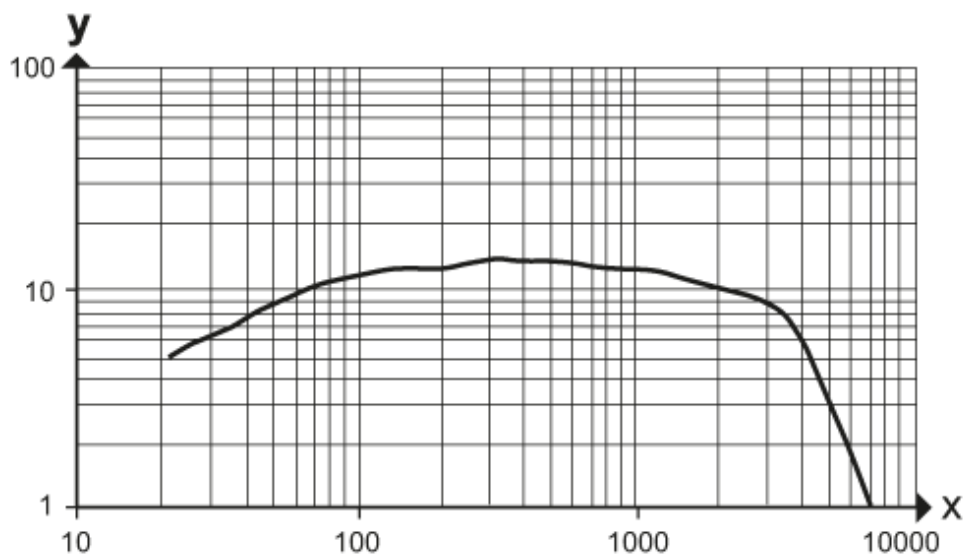
O6P-FPKG/0,30m/US

Connection



Diagrams and graphs

excess gain graph



x: distance [mm]

y: excess gain factor