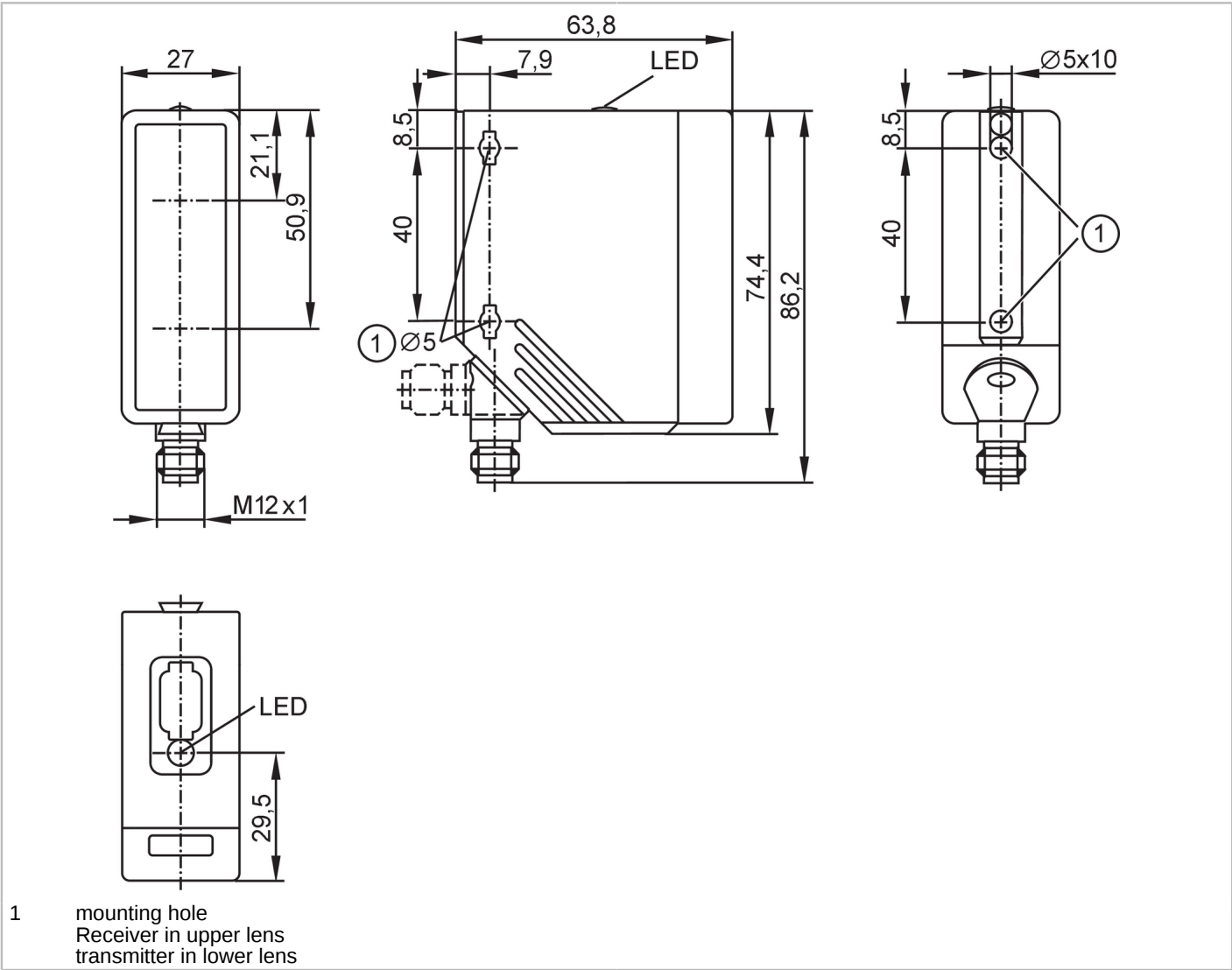


O4P201



Retro-reflective sensor

O4P-HPKG/US100



Product characteristics		
Type of light		red light
Housing		rectangular
Application		
Special feature		polarization filter
Function principle		Retro-reflective sensor
Application		Industrial applications
Electrical data		
Operating voltage	[V]	10...36 DC; (cULus - Class 2 source required)
Current consumption	[mA]	20
Protection class		II
Reverse polarity protection		yes
Type of light		red light
Wave length	[nm]	624



Retro-reflective sensor

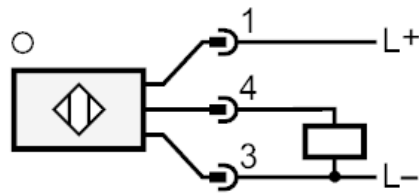
O4P-HPKG/US100

Outputs		
Electrical design	PNP	
Output function	light-on mode	
Max. voltage drop switching output DC [V]	2.5	
Permanent current rating of switching output DC [mA]	200	
Switching frequency DC [Hz]	1000	
Short-circuit protection	yes	
Type of short-circuit protection	yes (non-latching)	
Overload protection	yes	
Monitoring range		
Range referred to prismatic reflector [m]	0.3...18; (Prismatic reflector Ø 80 E20005)	
Range adjustable	no	
Max. light spot diameter [mm]	500	
Light spot dimensions refer to	at maximum range	
Polarization filter available	yes	
Operating conditions		
Ambient temperature [°C]	-25...60	
Protection	IP 67	
Tests / approvals		
EMC	EN 60947-5-2	
MTTF [years]	495	
Mechanical data		
Weight [g]	119	
Housing	rectangular	
Dimensions [mm]	74.4 x 27 x 63.8	
Material	housing: PA; Front framework: stainless steel; LED window: PC	
Lens material	front lens:PMMA	
Lens alignment	Side sensing	
Mounting hole		
Tightening torque [Nm]	< 2; (when using a mounting screw M5)	
Displays / operating elements		
Display	Switching status	1 x LED, yellow
Remarks		
Pack quantity	1 pcs.	
Electrical connection		
Connector: 1 x M12; coding: A; Contacts: 4		
		

Retro-reflective sensor

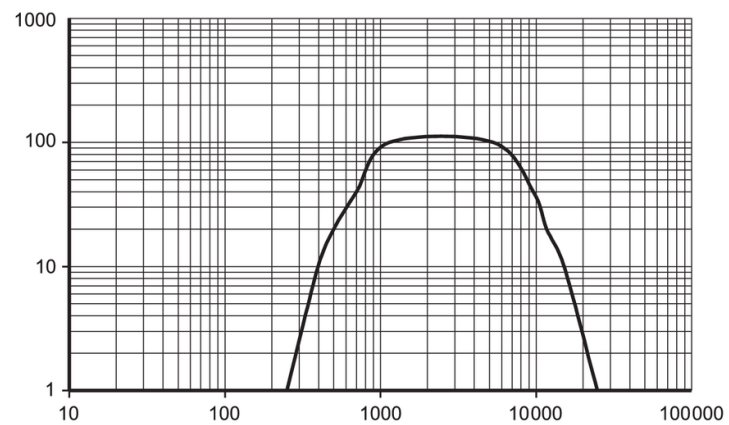
O4P-HPKG/US100

Connection



Diagrams and graphs

excess gain graph



x: Abstand [mm]

y: Funktionsreservefaktor