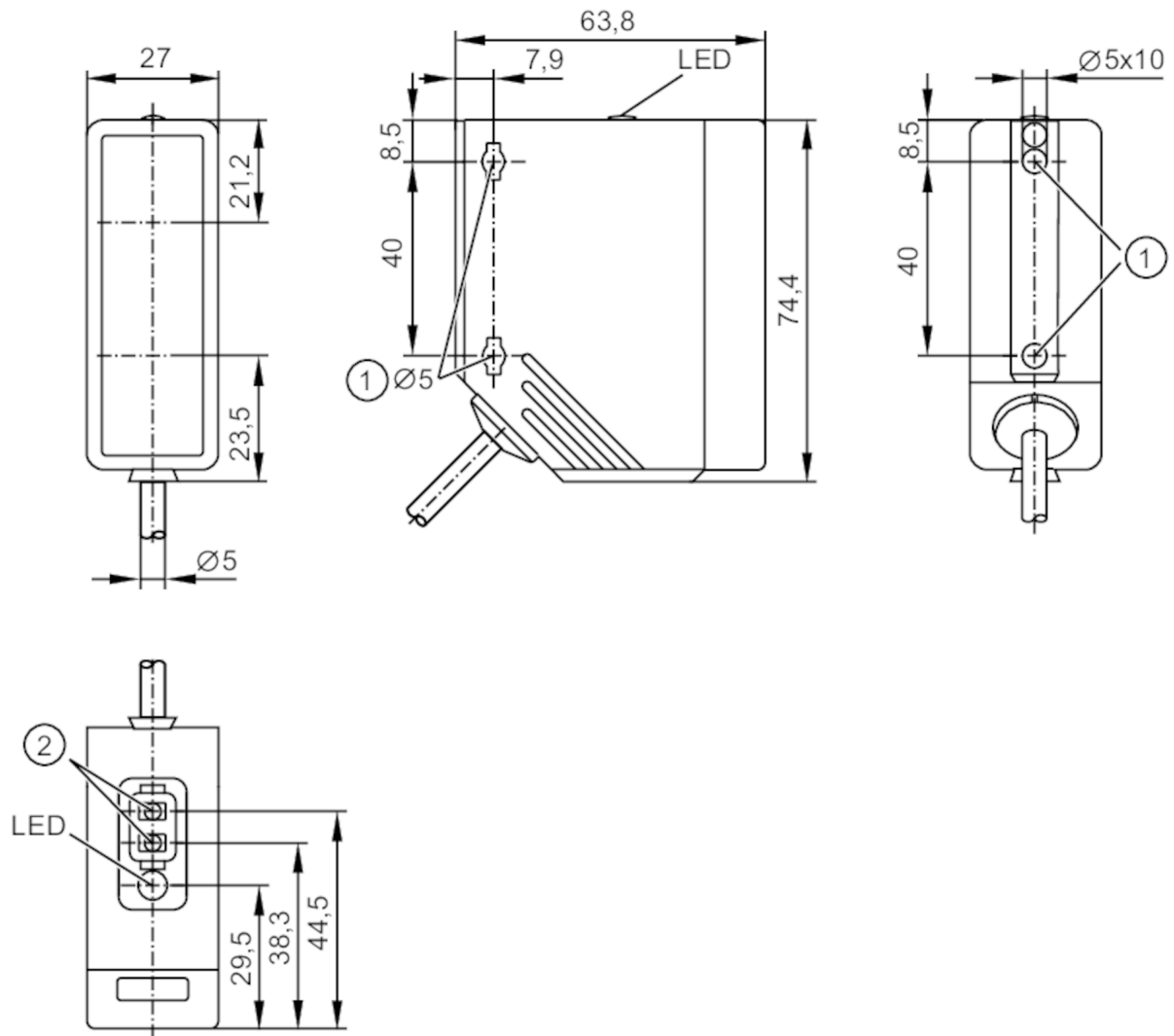


O4P501



Retro-reflective sensor

O4P-FPKG/2M



- 1 mounting hole
2 Programming buttons
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...36 DC
Current consumption	[mA]	20
Protection class		II
Reverse polarity protection		yes

O4P501



Retro-reflective sensor

O4P-FPKG/2M

Type of light	red light	
Wave length	[nm]	624
Outputs		
Electrical design	PNP	
Output function	light-on/dark-on mode; (programmable)	
Max. voltage drop switching output DC	[V]	2.5
Permanent current rating of switching output DC	[mA]	200
Switching frequency DC	[Hz]	2000
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...22; (Prismatic reflector Ø 80 E20005)
Range adjustable	yes	
Max. light spot diameter	[mm]	660
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]	434
Mechanical data		
Weight	[g]	207.5
Housing	rectangular	
Dimensions	[mm]	74.4 x 27 x 63.8
Material	housing: PA; Front framework: stainless steel; operator interface: TPE	
Lens material	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
Teach function	yes	
Electronic lock	yes	
Remarks		
Remarks	cULus - Class 2 source required	
Pack quantity	1 pcs.	

O4P501



Retro-reflective sensor

O4P-FPKG/2M

Electrical connection

Cable: 2 m, PUR; 3 x 0.34 mm²

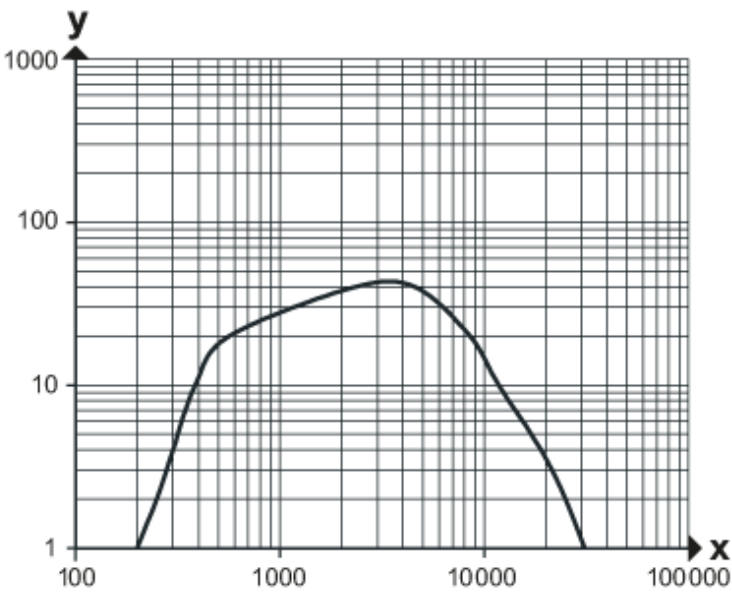
Connection



Core colors :
BK = black
BN = brown
BU = blue

Diagrams and graphs

excess gain graph



x: Abstand [mm]
y: Funktionsreservefaktor