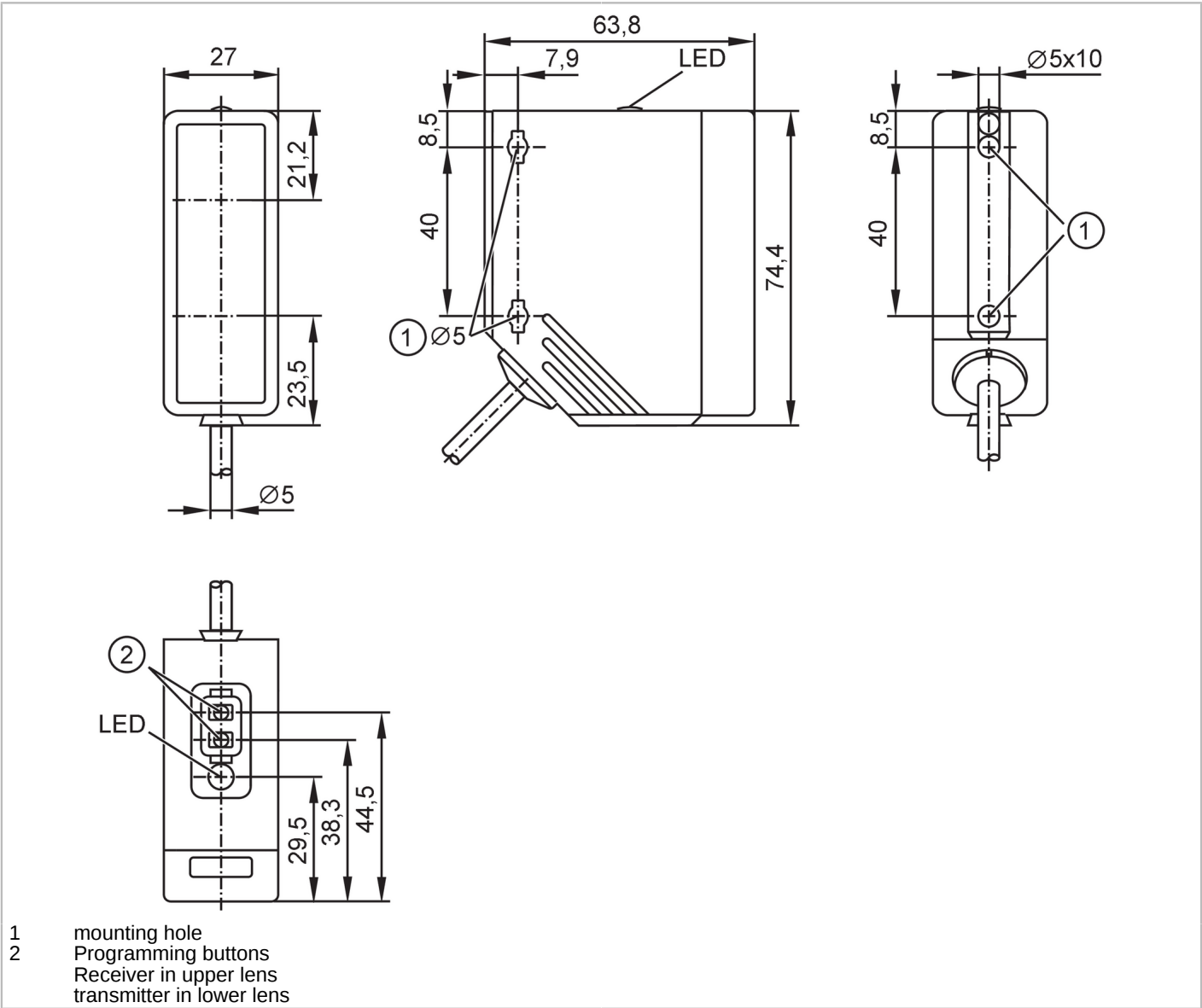


O4P501



Retro-reflective sensor

O4P-FPKG/2M



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
Current consumption	[mA]	20
Protection class		II
Reverse polarity protection		yes
Type of light		red light

O4P501



Retro-reflective sensor

O4P-FPKG/2M

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		operator interface: TPE; housing: PA; Front framework: stainless steel
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
Teach function		yes
Electronic lock		yes
Remarks		
Remarks		cULus - Class 2 source required
Pack quantity		1 pcs.

O4P501



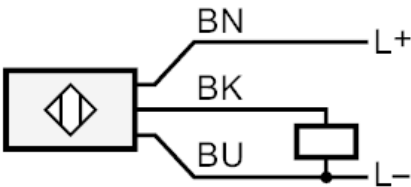
Retro-reflective sensor

O4P-FPKG/2M

Electrical connection

Cable: 2 m, PUR; 3 x 0.34 mm²

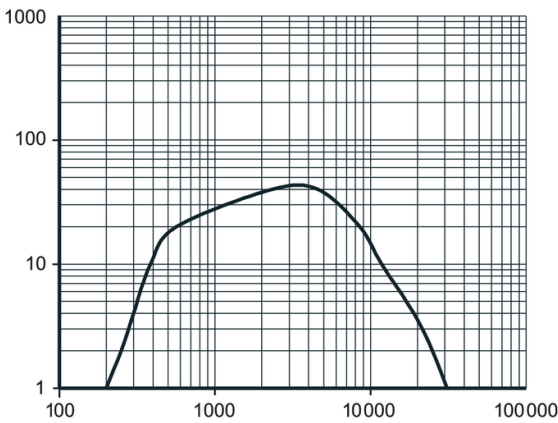
Connection



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

Diagrams and graphs

excess gain graph



x: Abstand [mm]
y: Funktionsreservefaktor