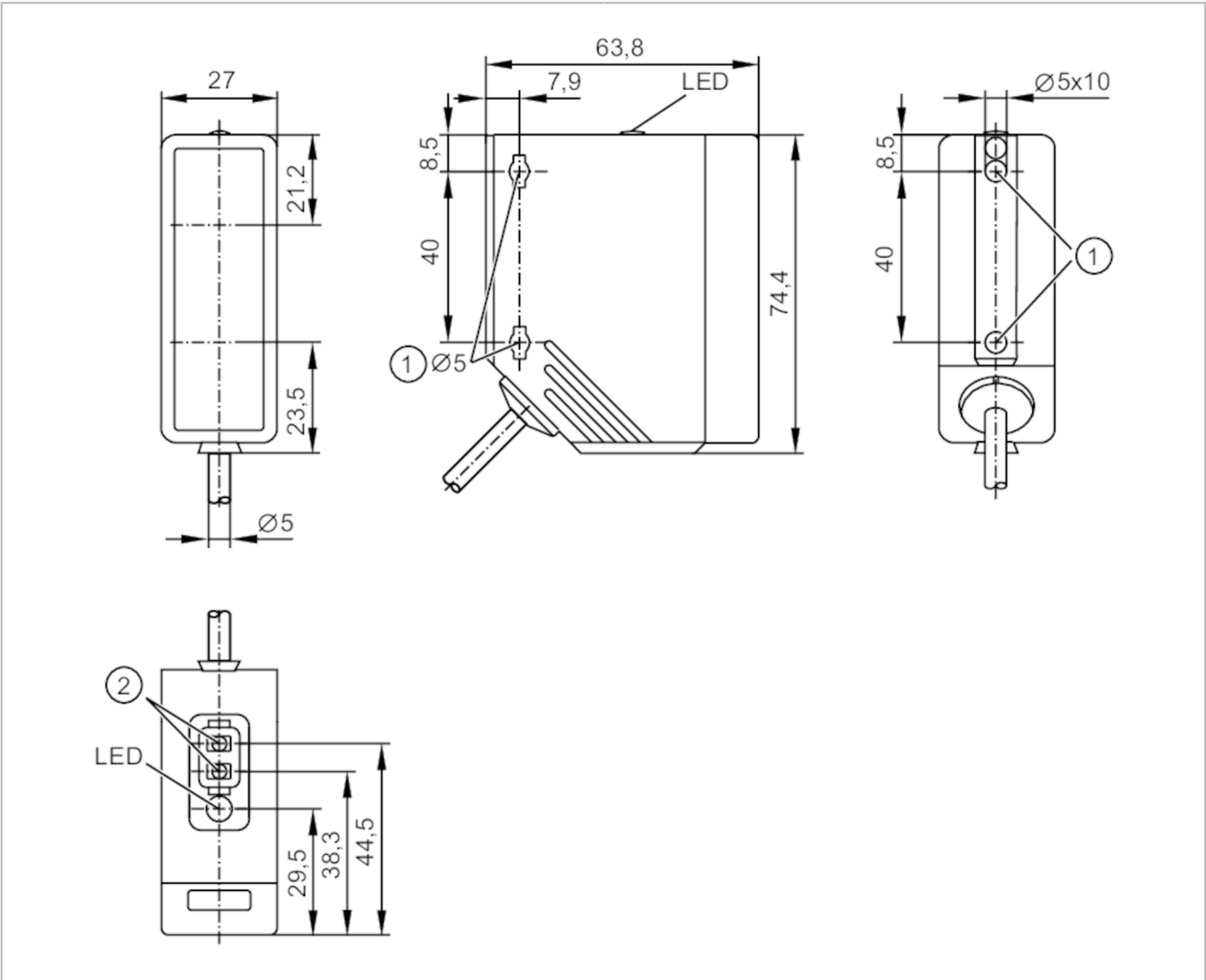


O4P501



Retro-reflective sensor

O4P-FPKG/2M



Product characteristics		
Type of light		red light
Housing		rectangular
Application		
Special feature		polarisation 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
Type of light		red light
Wave length	[nm]	624



Retro-reflective sensor

O4P-FPKG/2M

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	pulsed	
Overload protection	yes	
Detection zone		
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	
Polarisation 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	
Materials	housing: PA; bezel: stainless steel; operator interface: TPE	
Lens material	PMMA	
Lens alignment	side lens	
Displays / operating elements		
Display	switching status	1 x LED, yellow
Teach function	yes	
Electronic lock	yes	
Remarks		
Remarks	operating voltage "supply class 2" according to cULus	
Pack quantity	1 pcs.	



Retro-reflective sensor

O4P-FPKG/2M

Electrical connection

Cable: 2 m, PUR; 3 x 0.34 mm²

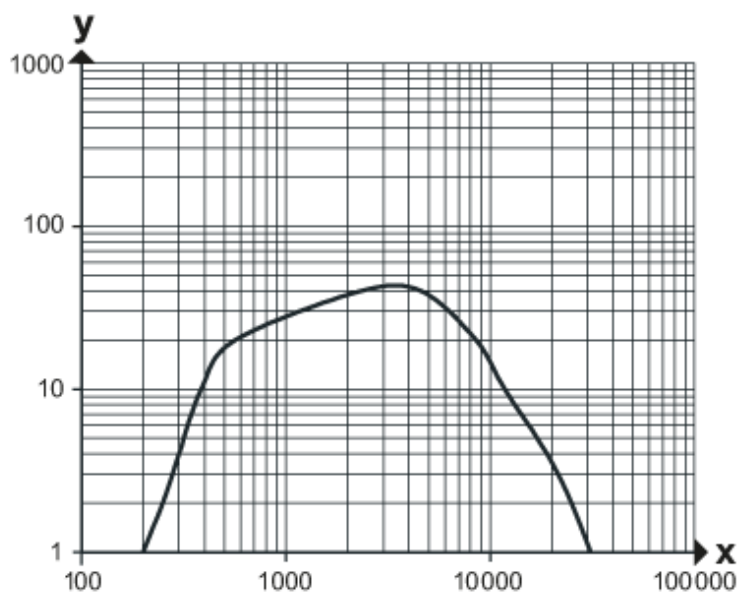
Connection



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

Diagrams and graphs

excess gain graph



x: Abstand [mm]

y: Funktionsreservefaktor