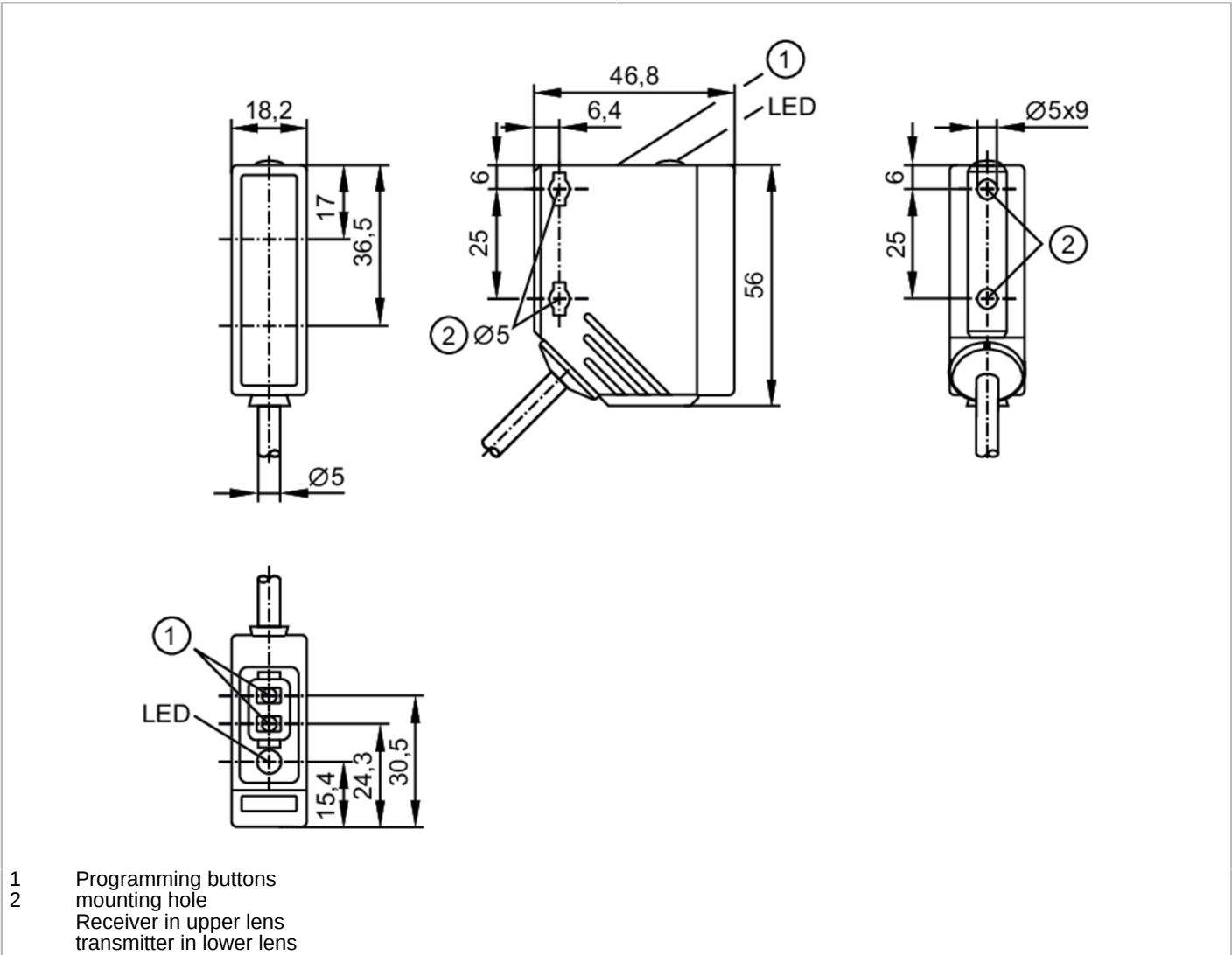


O5P501



Retro-reflective sensor

O5P-FPKG/2M



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
Type of light		red light
Wave length	[nm]	624

Outputs

Electrical design	PNP
-------------------	-----



Retro-reflective sensor

O5P-FPKG/2M

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]	0.075...10; (Prismatic reflector Ø 80 E20005)	
Range adjustable	yes	
Max. light spot diameter [mm]	250	
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]	435	
Mechanical data		
Weight [g]	111.9	
Housing	rectangular	
Dimensions [mm]	56 x 18.2 x 46.8	
Material	housing: PA; Front framework: stainless steel; operator interface: TPU (urethane)	
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.	

O5P501



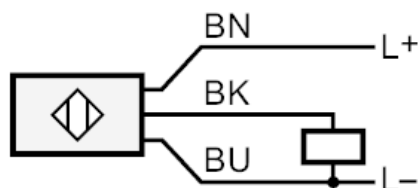
Retro-reflective sensor

O5P-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

