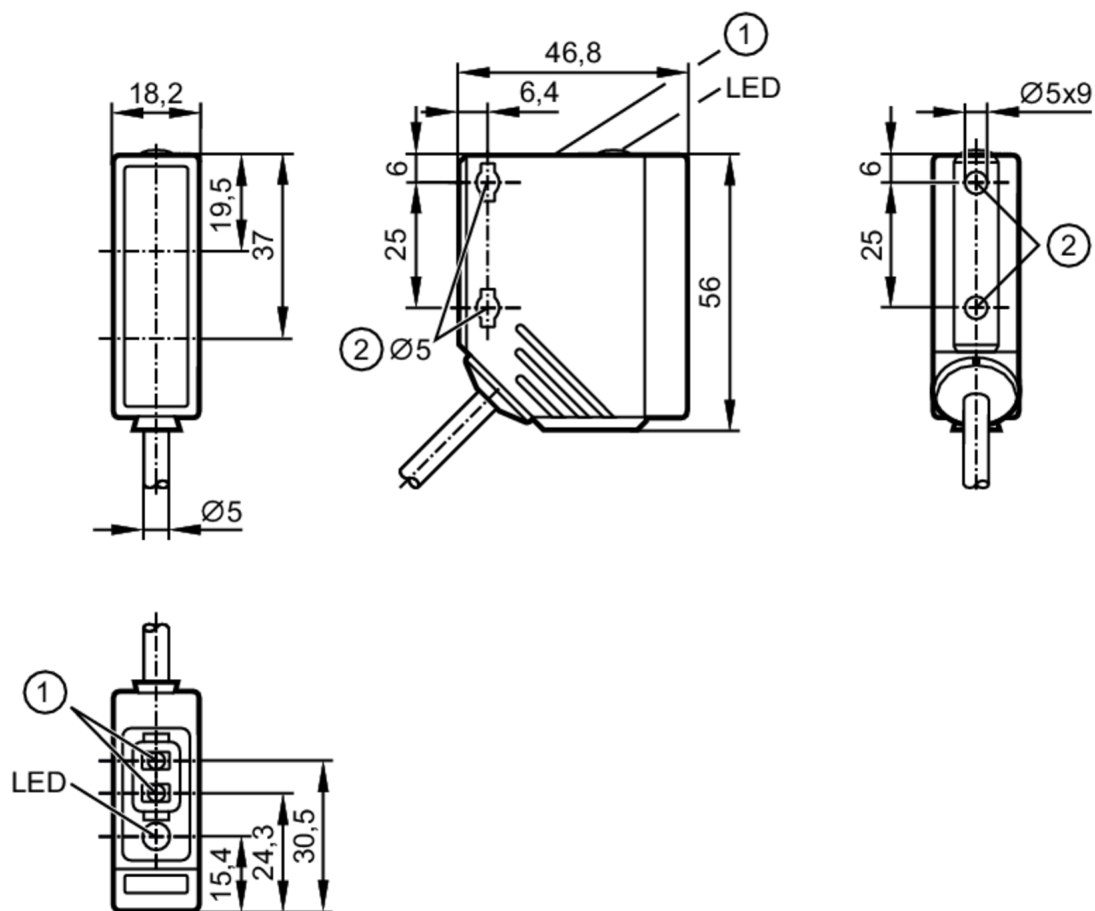


O5P501



Retro-reflective sensor

O5P-FPKG/2M



- 1 programming buttons
2 When a M5 mounting screw is used, the max. tightening torque is 2 Nm.
receiver in upper lens
transmitter in lower lens



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

Outputs

Electrical design	PNP
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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		pulsed	
Overload protection		yes	
Detection zone			
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	
Polarisation filter available		yes	
Operating conditions			
Ambient temperature	[°C]	-25...60	
Protection		IP 67	
Tests / approvals			
EMC		EN 60947-5-2	
MTTF	[ANN]	435	
Mechanical data			
Weight	[g]	142.5	
Housing		rectangular	
Dimensions	[mm]	56 x 18.2 x 46.8	
Materials		housing: PA; bezel: stainless steel; operator interface: TPU	
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.	

O5P501



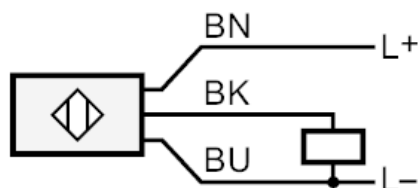
Retro-reflective sensor

O5P-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

