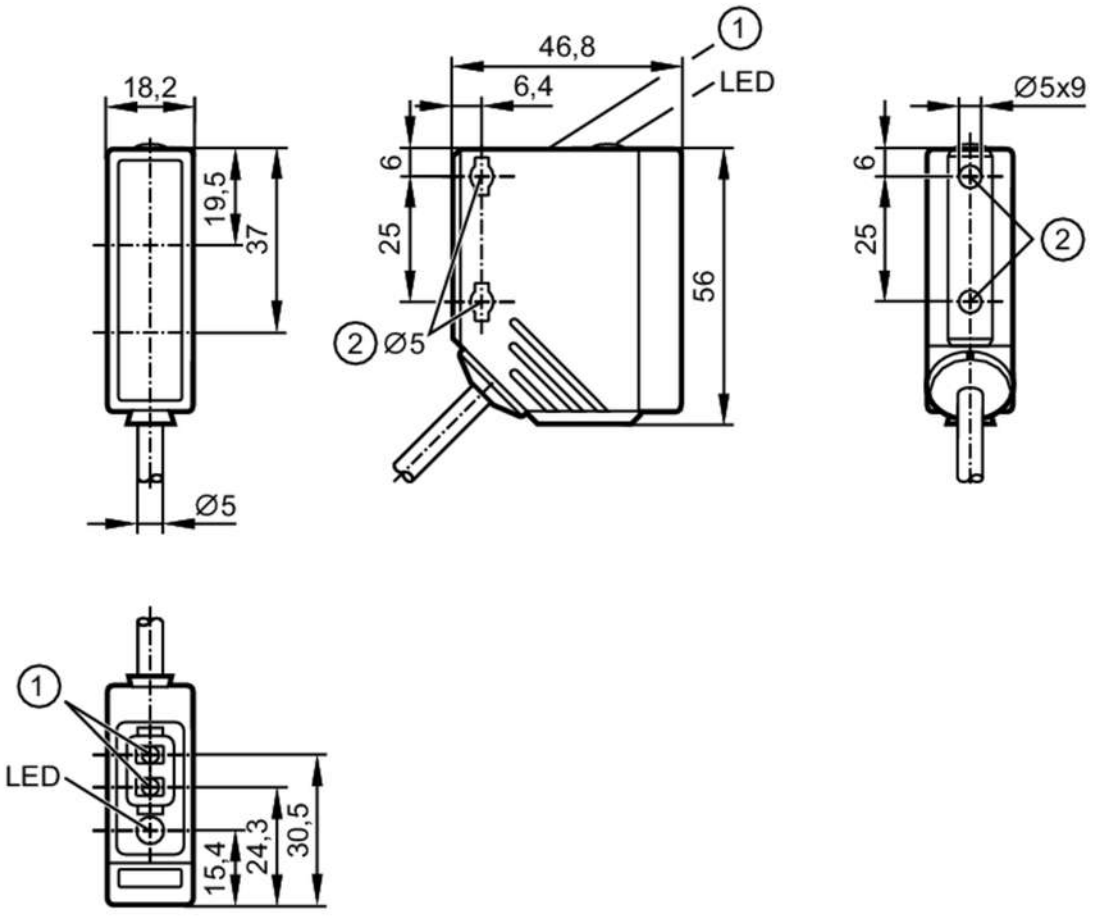
O5P501

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

O5P501

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	[years]	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

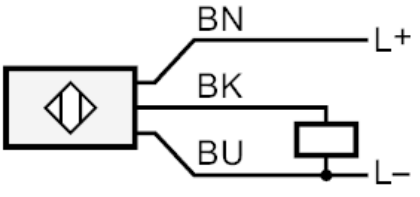
Retro-reflective sensor

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

