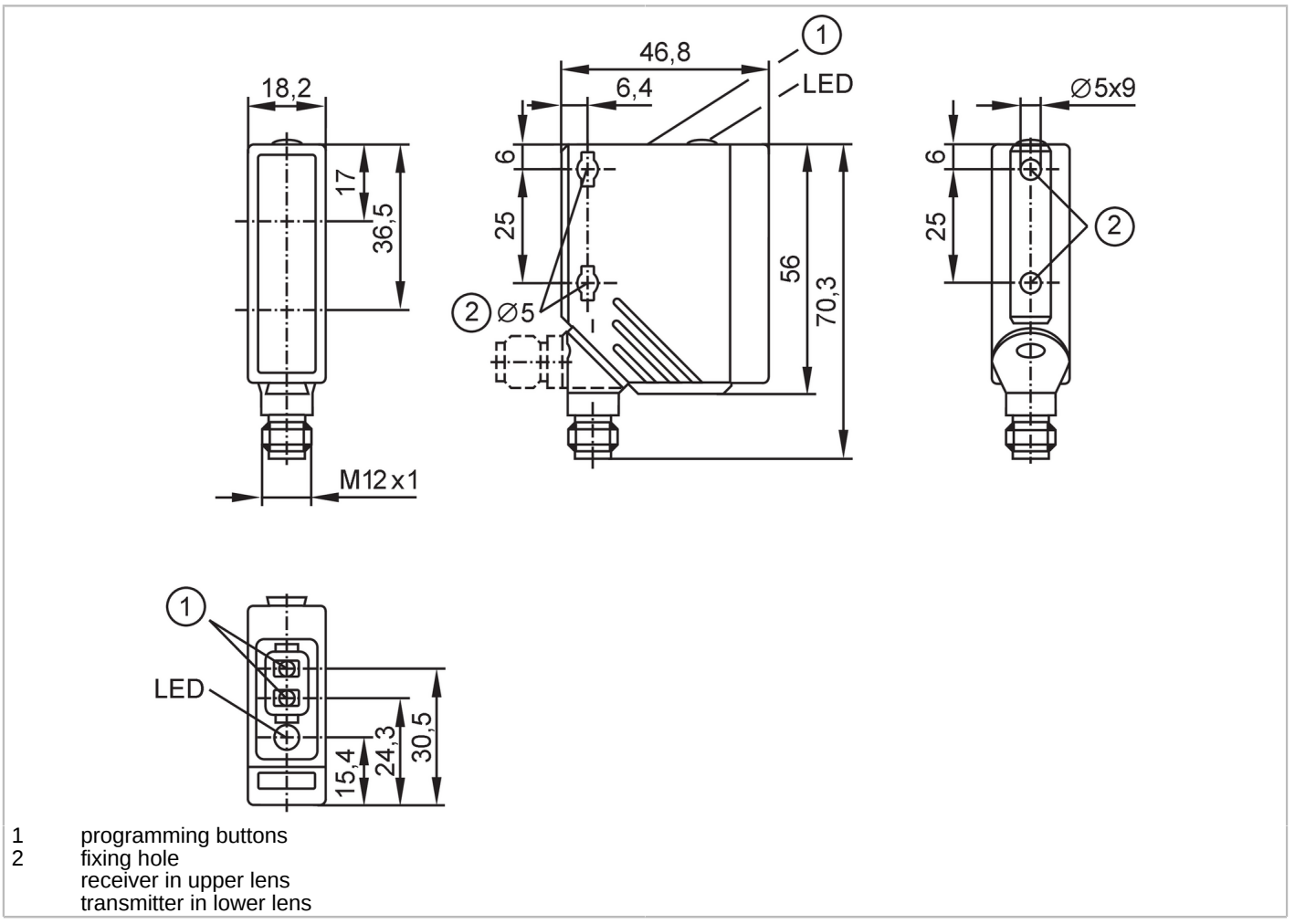
O5P500

Retro-reflective sensor

O5P-FPKG/US100



1 programming buttons
2 fixing hole
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
Application		Industrial applications / factory automation
Electrical data		
Operating voltage	[V]	10...36 DC; ("supply class 2" to cULus)
Current consumption	[mA]	20
Protection class		II
Reverse polarity protection		yes
Type of light		red light
Wave length	[nm]	624
Outputs		
Electrical design		PNP
Output function		light-on/dark-on mode; (programmable)

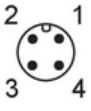
O5P500

Retro-reflective sensor

O5P-FPKG/US100

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]	67.5	
Housing		rectangular	
Dimensions	[mm]	56 x 18.2 x 46.8	
Materials		housing: PA; bezel: stainless steel; operator interface: TPU	
Lens material		front pane:PMMA	
Lens alignment		side lens	
Fixing 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			
Pack quantity		1 pcs.	
Electrical connection			

Connector: 1 x M12; coding: A; Contacts: 4

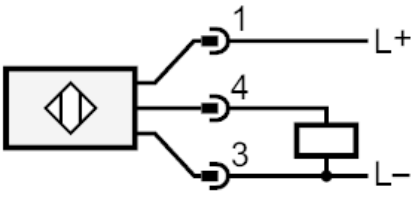


O5P500

Retro-reflective sensor

O5P-FPKG/US100

Connection



Diagrams and graphs

excess gain graph

