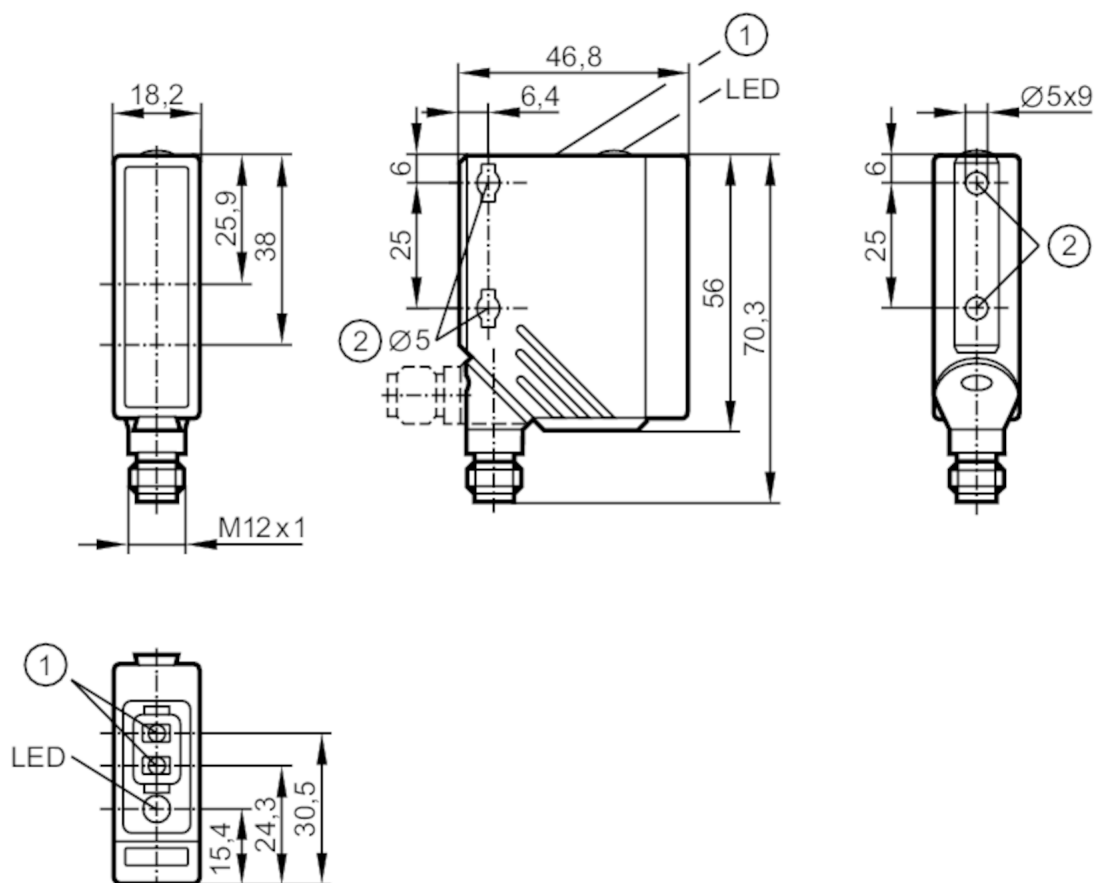


O5C500

Color sensor

O5C-MAKG/US100



- 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; green light; blue light
Housing	rectangular
Dimensions [mm]	56 x 18.2 x 46.8

Electrical data

Operating voltage [V]	10...36 DC
Current consumption [mA]	50; ((24 V))
Protection class	II
Reverse polarity protection	yes
Type of light	red light; green light; blue light
Wave length [nm]	625; 525; 465

O5C500



Color sensor

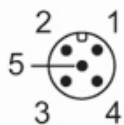
O5C-MAKG/US100

Outputs		
Electrical design	PNP/NPN; (Automatic load detection PNP/NPN)	
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	
Notes on switching frequency	for tolerance step 5	
Short-circuit protection	yes	
Type of short-circuit protection	yes (non-latching)	
Overload protection	yes	
Monitoring range		
Range [mm]	15...19	
Max. light spot width [mm]	2.5	
Max. light spot height [mm]	6	
Reaction times		
Response time [s]	< 0.3	
Operating conditions		
Ambient temperature [°C]	-25...60	
Protection	IP 67	
Tests / approvals		
EMC	EN 60947-5-2	
MTTF [years]	491	
Mechanical data		
Weight [g]	82.5	
Housing	rectangular	
Dimensions [mm]	56 x 18.2 x 46.8	
Material	housing: PA; Front framework: stainless steel; operator interface: TPU / PC	
Lens material	front lens:PMMA	
Lens alignment	Side sensing	
Displays / operating elements		
Display	Switching status	1 x LED, yellow
	Tolerance step	1 x LED, green
Teach function	yes	
Electronic lock	yes	
Remarks		
Remarks	cULus - Class 2 source required	
Pack quantity	1 pcs.	
Electrical connection		
Connector: 1 x M12		

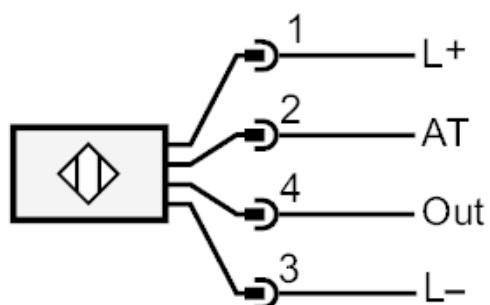
O5C500

Color sensor

O5C-MAKG/US100



Connection



1 activation trigger AT