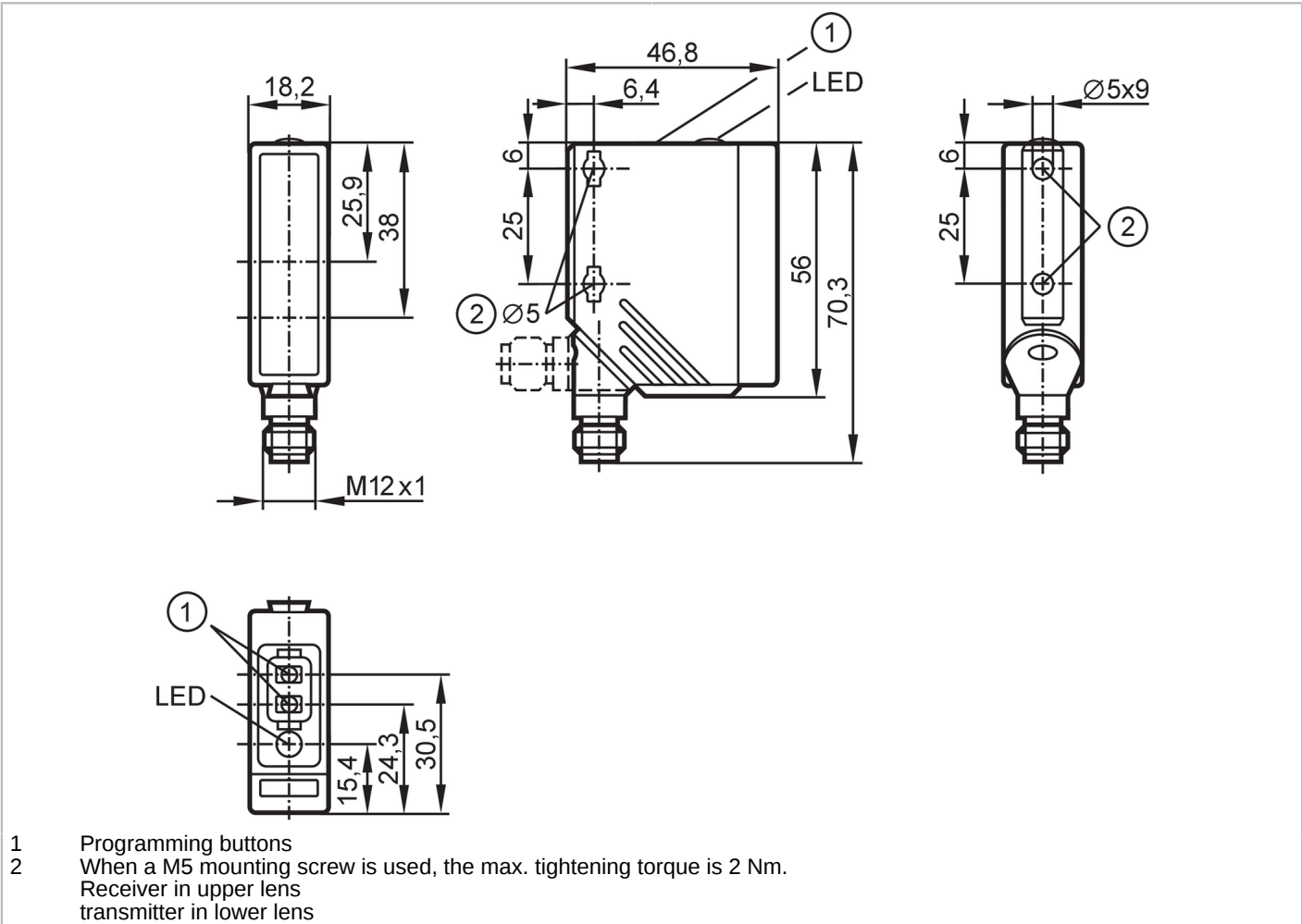


O5C500

Color sensor

O5C-MAKG/US100



Product characteristics

Type of light	red light; green light; blue light
Housing	rectangular

Application

Application	High switching frequency for fast processes
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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

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

O5C500



Color sensor

O5C-MAKG/US100

Permanent current rating of switching output DC	[mA]	200
Switching frequency DC	[Hz]	2000
Notes on switching frequency	[Hz]	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

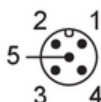
Mechanical data		
Weight	[g]	61.3
Housing		rectangular
Dimensions	[mm]	56 x 18.2 x 46.8
Material		housing: PA; Front framework: stainless steel; operator interface: TPU / PC
Lens material		front lens:PMMA
Lens alignment		Side sensing

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; coding: A; Contacts: 5



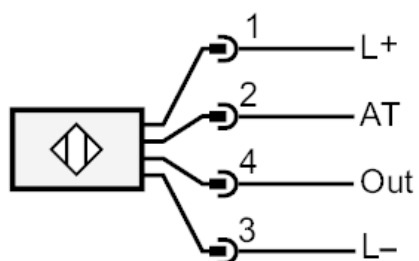
O5C500

Color sensor

O5C-MAKG/US100



Connection



1 activation trigger AT