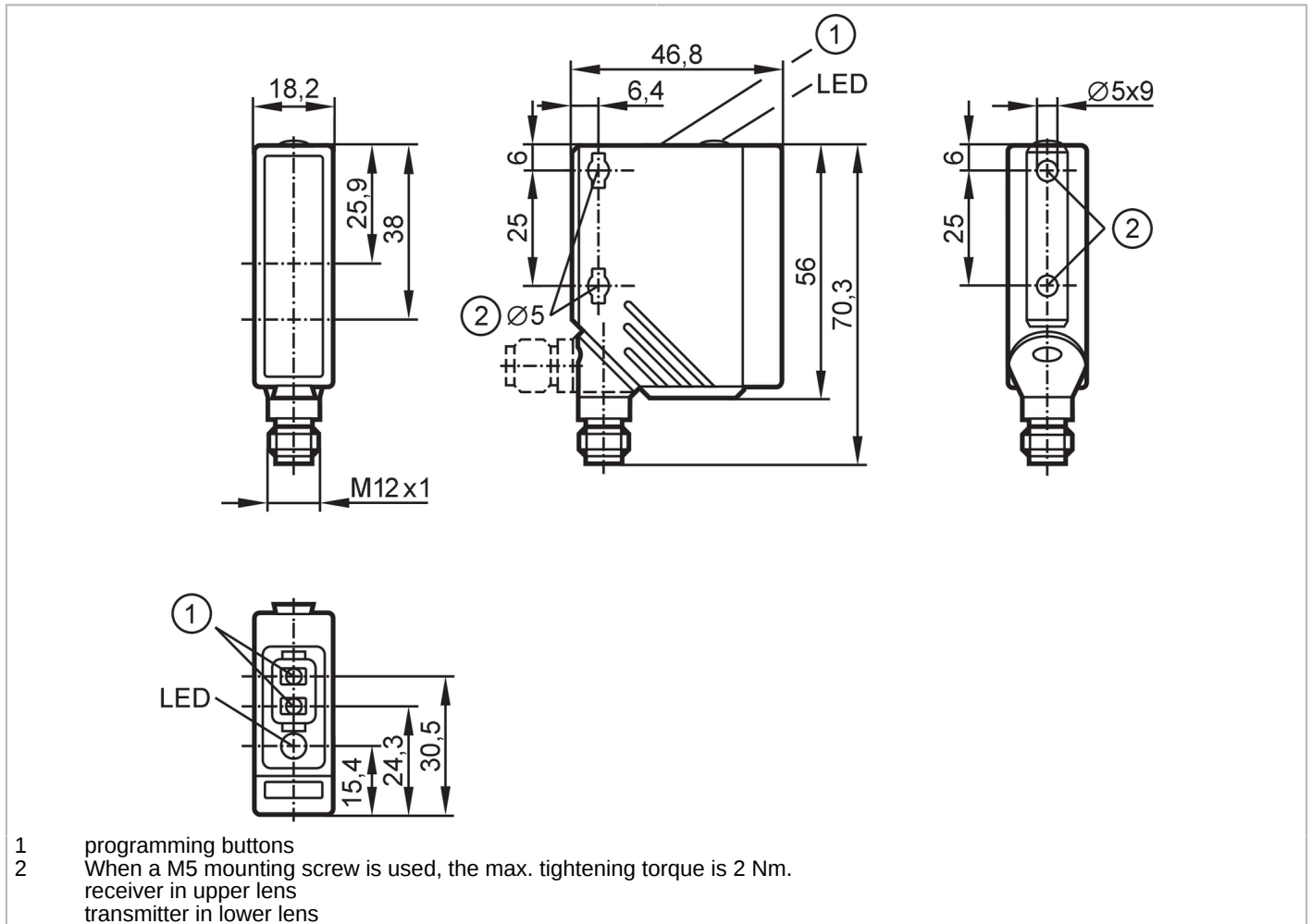


O5C500



Colour 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



Colour 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	pulsed
Overload protection	yes

Detection zone	
Range [mm]	15...19
Max. light spot width [mm]	2.5
Max. light spot height [mm]	6

Response 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

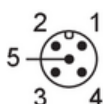
Mechanical data	
Weight [g]	61.3
Housing	rectangular
Dimensions [mm]	56 x 18.2 x 46.8
Materials	housing: PA; bezel: stainless steel; operator interface: TPU / PC
Lens material	front pane:PMMA
Lens alignment	side lens

Displays / operating elements		
Display	switching status	1 x LED, yellow
	tolerance step	1 x LED, green
Teach function		yes
Electronic lock		yes

Remarks	
Remarks	operating voltage "supply class 2" according to cULus
Pack quantity	1 pcs.

Electrical connection

Connector: 1 x M12; coding: A; Contacts: 5



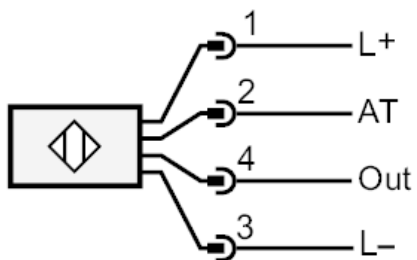
O5C500



Colour sensor

O5C-MAKG/US100

Connection



1 activation trigger AT