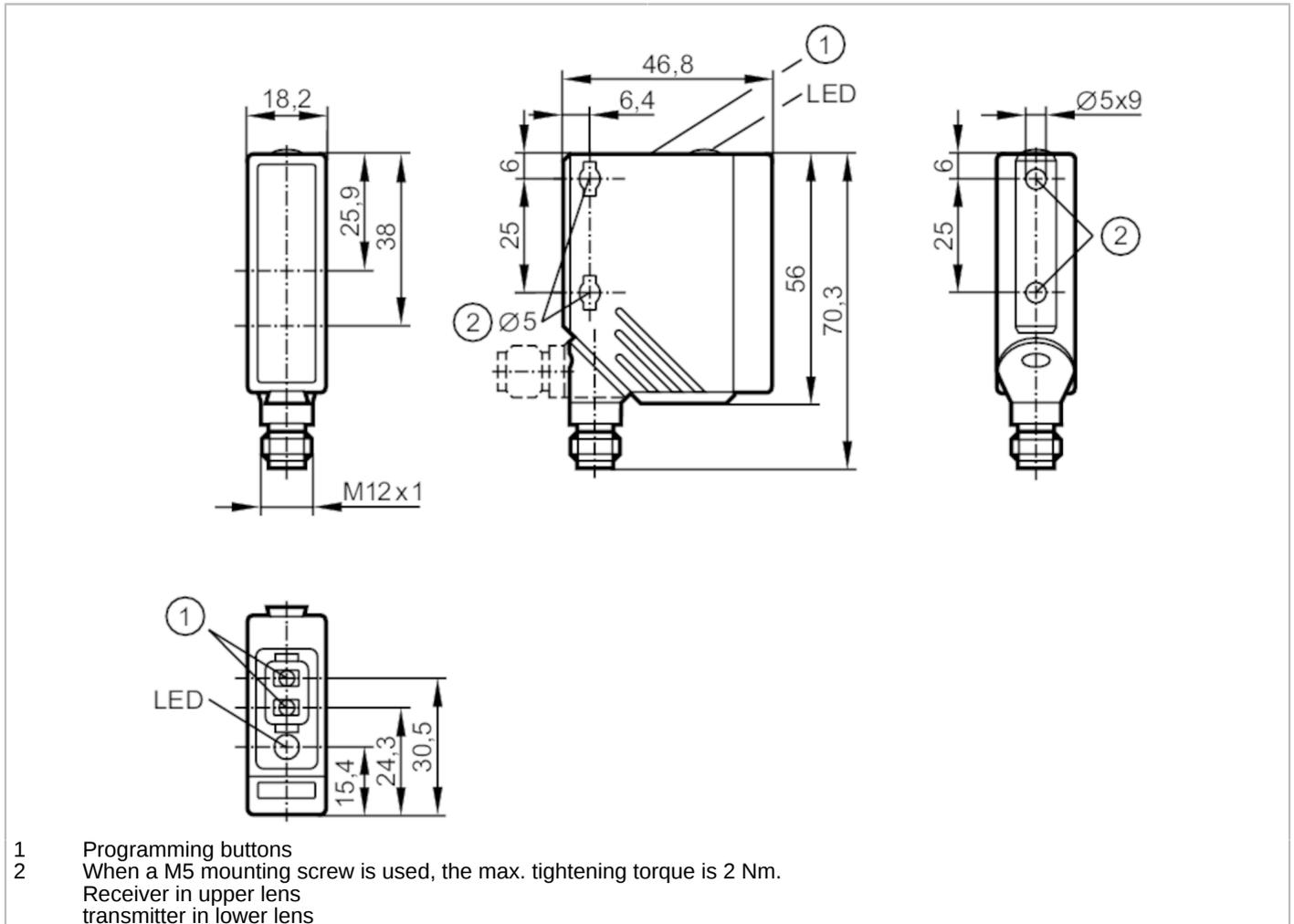


O5C500



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

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
Permanent current rating of switching output DC [mA]	200

O5C500



Color sensor

O5C-MAKG/US100

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
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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

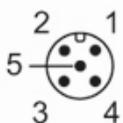
Display	Switching status	1 x LED, yellow
	Tolerance step	1 x LED, green
Teach function		yes
Electronic lock		yes

Remarks

Remarks	cULus - Class 2 source required
Pack quantity	1 pcs.

Electrical connection

Connector: 1 x M12; coding: A



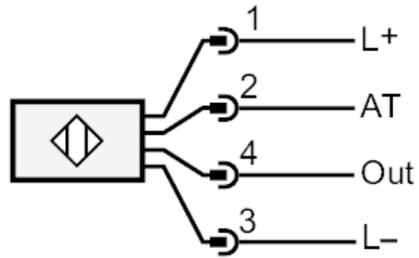
O5C500



Color sensor

O5C-MAKG/US100

Connection



1 activation trigger AT