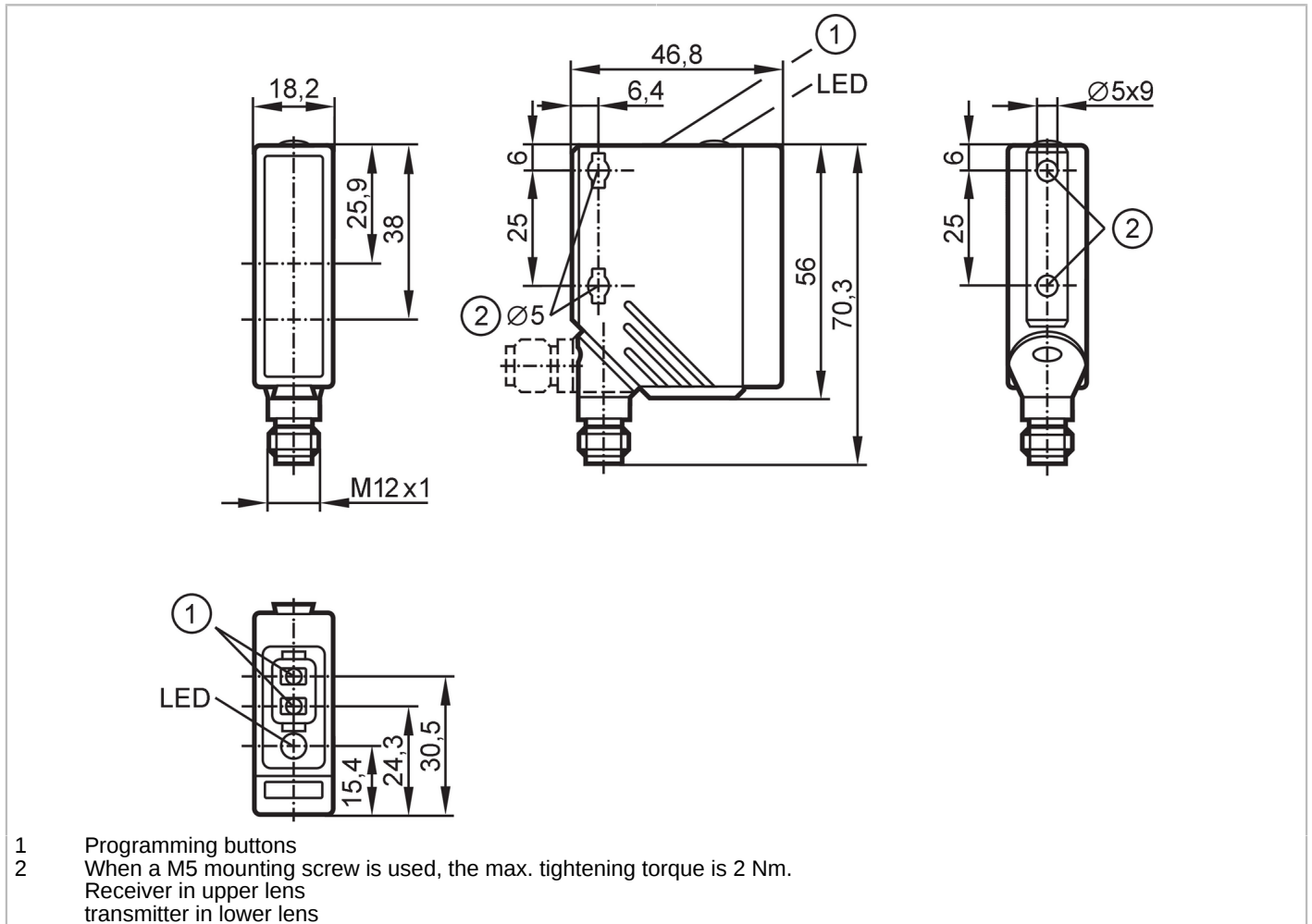


O5K500



Contrast sensor

O5K-FAKG/US100



Product characteristics	
Type of light	red light; green light; blue light
Housing	rectangular
Application	
Application	High switching frequency for fast processes
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

O5K500



Contrast sensor

O5K-FAKG/US100

Permanent current rating of switching output DC [mA]	200
Switching frequency DC [Hz]	10000
Short-circuit protection	yes
Type of short-circuit protection	yes (non-latching)
Overload protection	yes

Monitoring range

Range [mm]	18...22
Max. light spot width [mm]	1.5
Max. light spot height [mm]	5

Reaction times

Response time [ms]	< 0.05
--------------------	--------

Operating conditions

Ambient temperature [°C]	-25...60
Protection	IP 67

Tests / approvals

EMC	EN 60947-5-2
MTTF [years]	568

Mechanical data

Weight [g]	79.5
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
Teach function		yes
Electronic lock		yes

Remarks

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

O5K500



Contrast sensor

O5K-FAKG/US100

Electrical connection

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

