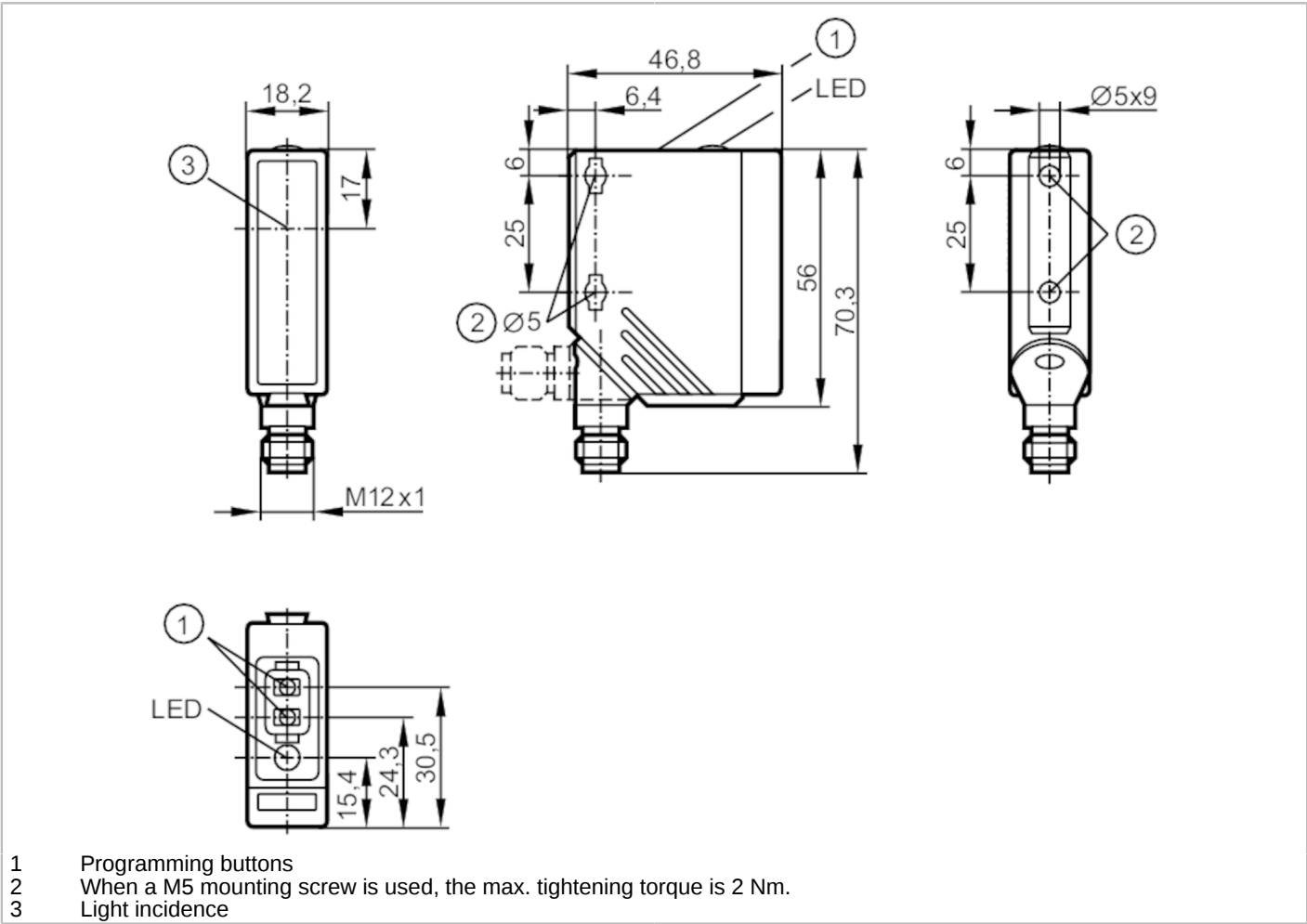


O5E500



Through-beam sensor receiver

O5E-FPKG/US100



Product characteristics

Type of light	red light
Housing	rectangular

Application

Function principle	Through-beam sensor
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Electrical data

Operating voltage	[V]	10...36 DC
Current consumption	[mA]	11
Protection class		II
Reverse polarity protection		yes
Type of light		red light
Wave length	[nm]	624

Outputs

Electrical design	PNP	
Output function	light-on/dark-on mode; (programmable)	
Max. voltage drop switching output DC	[V]	2.5

O5E500



Through-beam sensor receiver

O5E-FPKG/US100

Permanent current rating of switching output DC [mA]	200
Switching frequency DC [Hz]	1000
Short-circuit protection	yes
Type of short-circuit protection	yes (non-latching)
Overload protection	yes

Monitoring range	
Transmitter / receiver	receiver
Range [m]	< 25
Range adjustable	yes

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

Tests / approvals	
EMC	EN 60947-5-2
MTTF [years]	801

Mechanical data	
Weight [g]	67.5
Housing	rectangular
Dimensions [mm]	56 x 18.2 x 46.8
Material	housing: PA; Front framework: stainless steel; operator interface: TPU (urethane)
Lens material	PMMA
Lens alignment	Side sensing

Displays / operating elements		
Display	Switching status	1 x LED, yellow
Teach function		yes
Electronic lock		yes

Remarks	
Pack quantity	1 pcs.

Electrical connection

Connector: 1 x M12; coding: A



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Connection



Diagrams and graphs

excess gain graph

