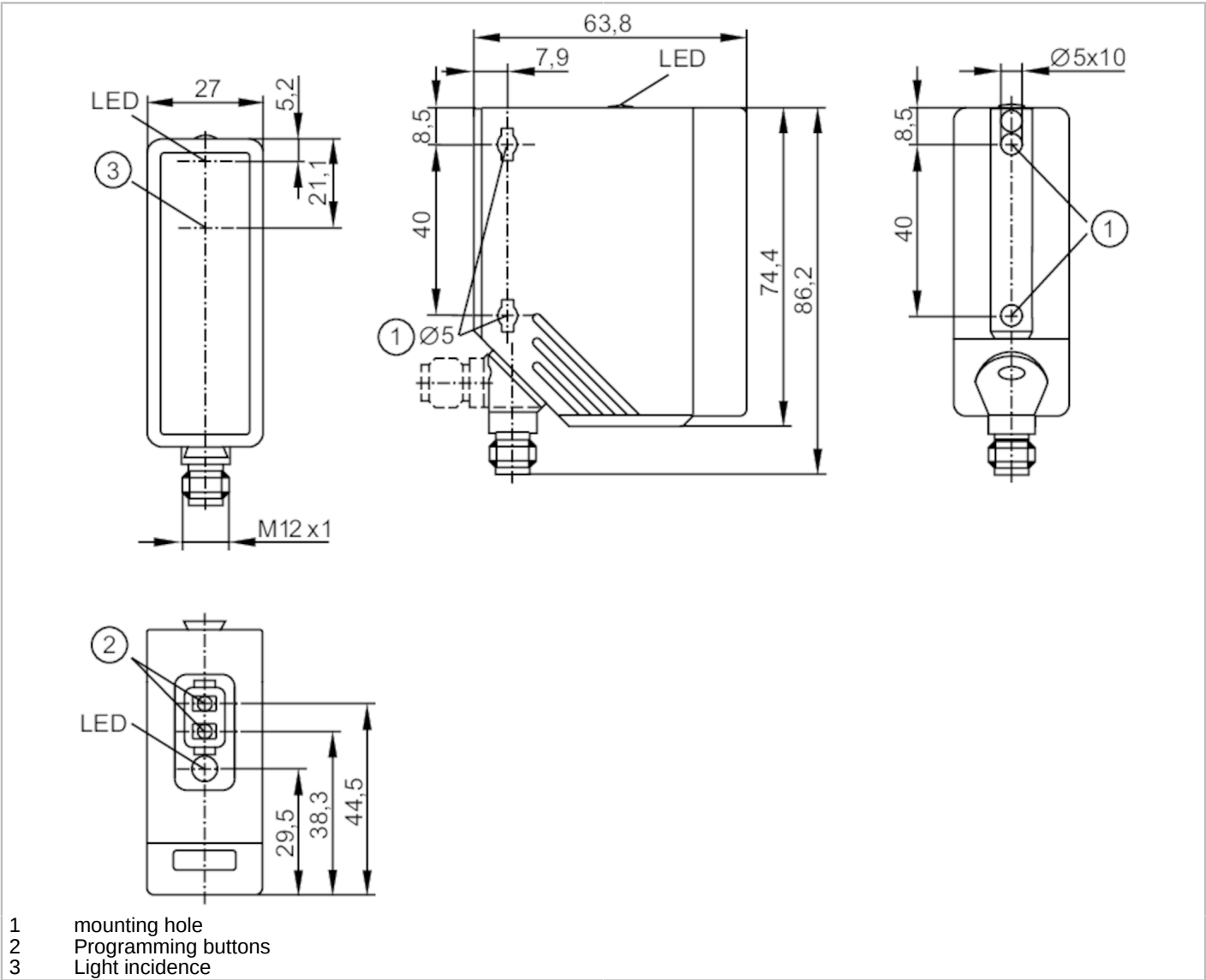


O4E500



Through-beam sensor receiver

O4E-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; (cULus - Class 2 source required)
Current consumption	[mA]	12
Protection class		II
Reverse polarity protection		yes
Type of light		red light
Wave length	[nm]	624

Outputs

Electrical design	PNP
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O4E500



Through-beam sensor receiver

O4E-FPKG/US100

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	
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]	0...80	
Range adjustable	yes	

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

Tests / approvals		
EMC	EN 60947-5-2	
MTTF [years]	785	

Mechanical data		
Weight [g]	124	
Housing	rectangular	
Dimensions [mm]	74.4 x 27 x 63.8	
Material	housing: PA; Front framework: stainless steel; operator interface: TPE	
Lens material	PMMA	
Lens alignment	Side sensing	

Mounting hole		
Tightening torque [Nm]	< 2; (when using a mounting screw M5)	

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

Remarks		
Pack quantity	1 pcs.	

Electrical connection		
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Connector: 1 x M12; coding: A



Through-beam sensor receiver

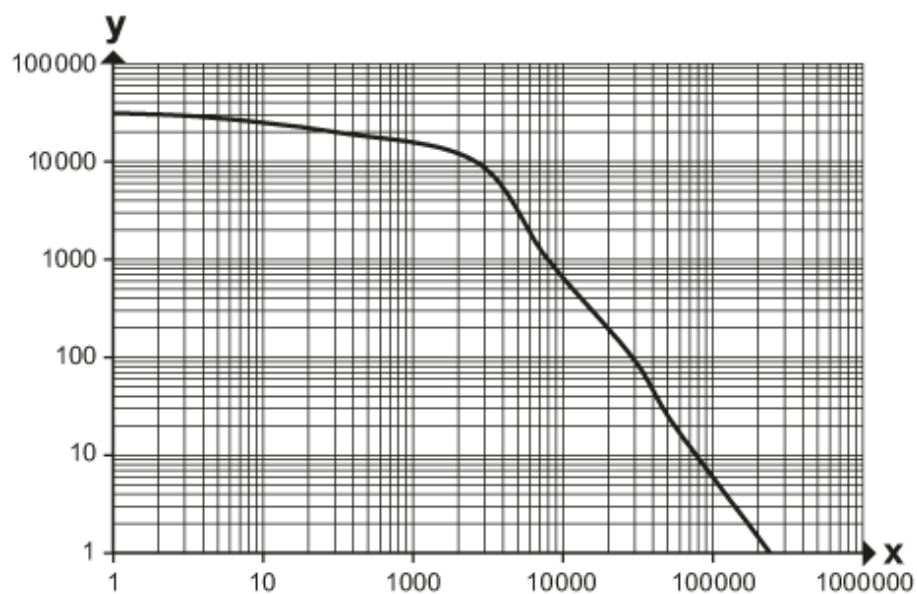
O4E-FPKG/US100

Connection



Diagrams and graphs

excess gain graph



x: Abstand [mm]

y: Funktionsreservefaktor