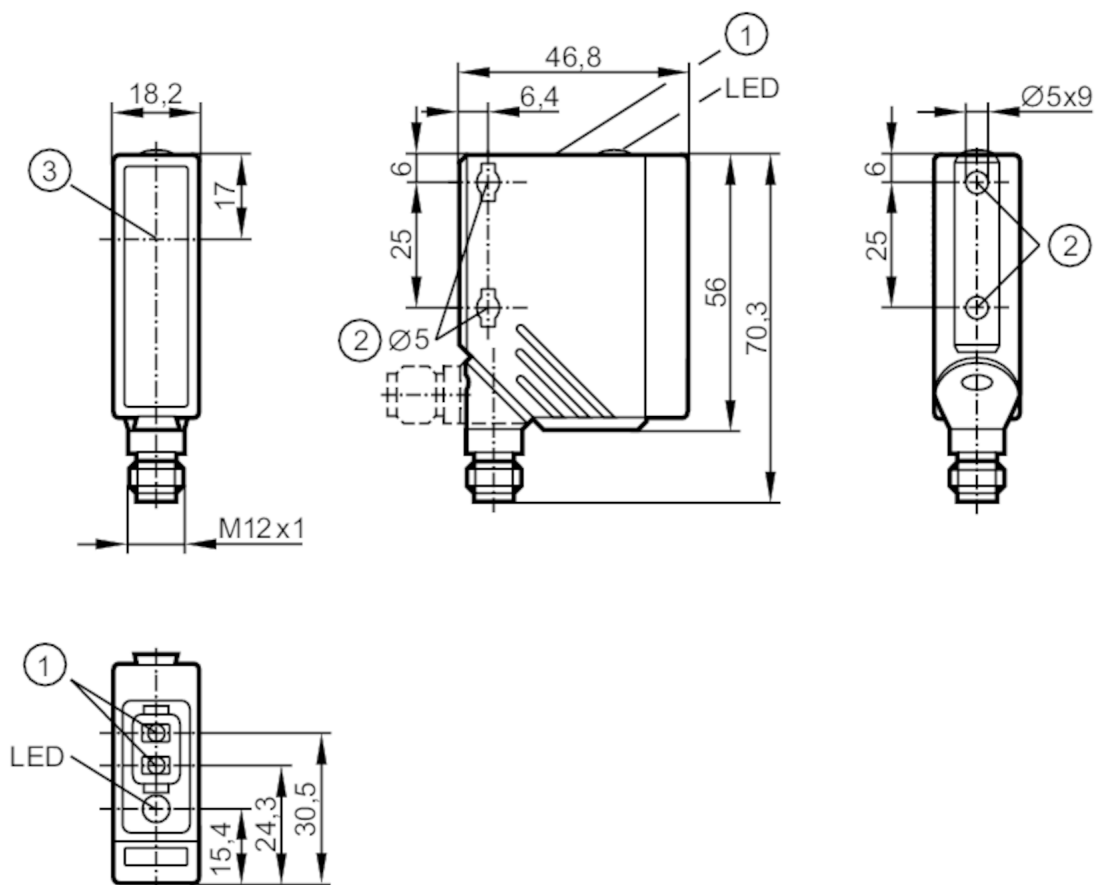


O5E502



Through-beam sensor receiver

O5E-FNKG/US100



- 1 programming buttons
- 2 When a M5 mounting screw is used, the max. tightening torque is 2 Nm.
- 3 Light incidence



Application

Function principle Through-beam sensor

Electrical data

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



Through-beam sensor receiver

O5E-FNKG/US100

Outputs		
Electrical design	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	
Switching frequency DC [Hz]	1000	
Short-circuit protection	yes	
Type of short-circuit protection	pulsed	
Overload protection	yes	
Detection zone		
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]	914	
Mechanical data		
Weight [g]	66.2	
Housing	rectangular	
Dimensions [mm]	56 x 18.2 x 46.8	
Materials	housing: PA; bezel: stainless steel; operator interface: TPU	
Lens material	PMMA	
Lens alignment	side lens	
Displays / operating elements		
Display	switching status	1 x LED, yellow
Teach function	yes	
Electronic lock	yes	
Remarks		
Remarks	operating voltage "supply class 2" according to cULus	
Pack quantity	1 pcs.	
Electrical connection		

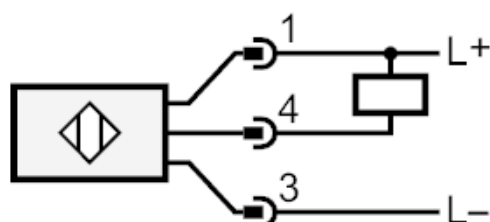
Connector: 1 x M12



Through-beam sensor receiver

O5E-FNKG/US100

Connection



Diagrams and graphs

excess gain graph

