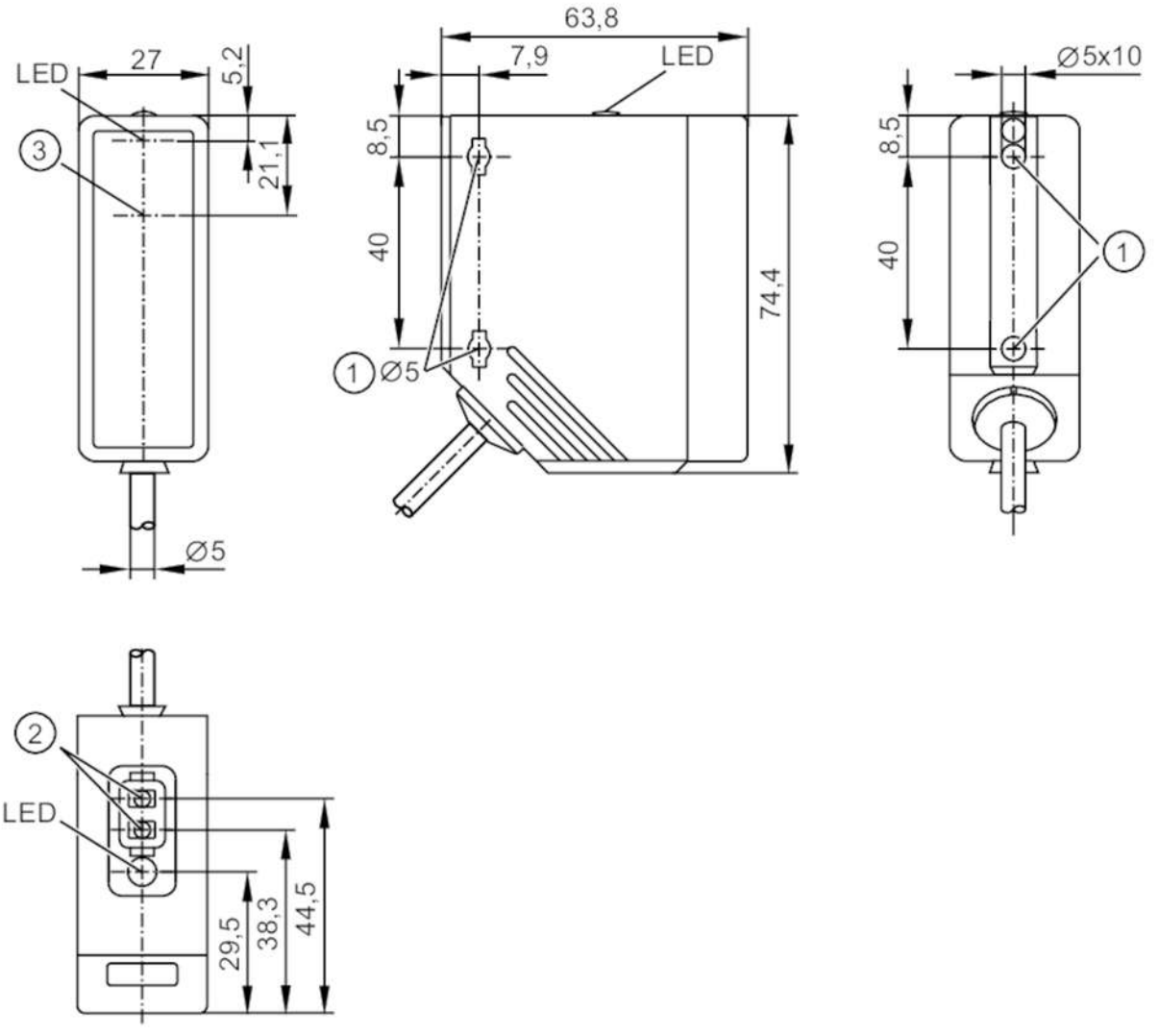
O4E501

Through-beam sensor receiver

O4E-FPKG/2M



1 fixing hole
2 programming buttons
3 Light incidence

Product characteristics		
Type of light		red light
Housing		rectangular
Application		
Function principle		Through-beam sensor
Electrical data		
Operating voltage	[V]	10...36 DC
Current consumption	[mA]	12
Protection class		II
Reverse polarity protection		yes
Type of light		red light
Wave length	[nm]	624

O4E501

Through-beam sensor receiver

O4E-FPKG/2M

Outputs			
Electrical design		PNP	
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]	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]	206.5	
Housing		rectangular	
Dimensions	[mm]	74.4 x 27 x 63.8	
Materials		housing: PA; bezel: stainless steel; operator interface: TPE	
Lens material		PMMA	
Lens alignment		side lens	
Fixing 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			
Remarks		operating voltage "supply class 2" according to cULus	
Pack quantity		1 pcs.	

O4E501

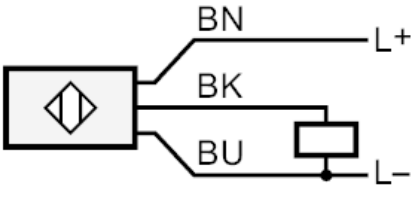
Through-beam sensor receiver

O4E-FPKG/2M

Electrical connection

Cable: 2 m, PUR; 3 x 0.34 mm²

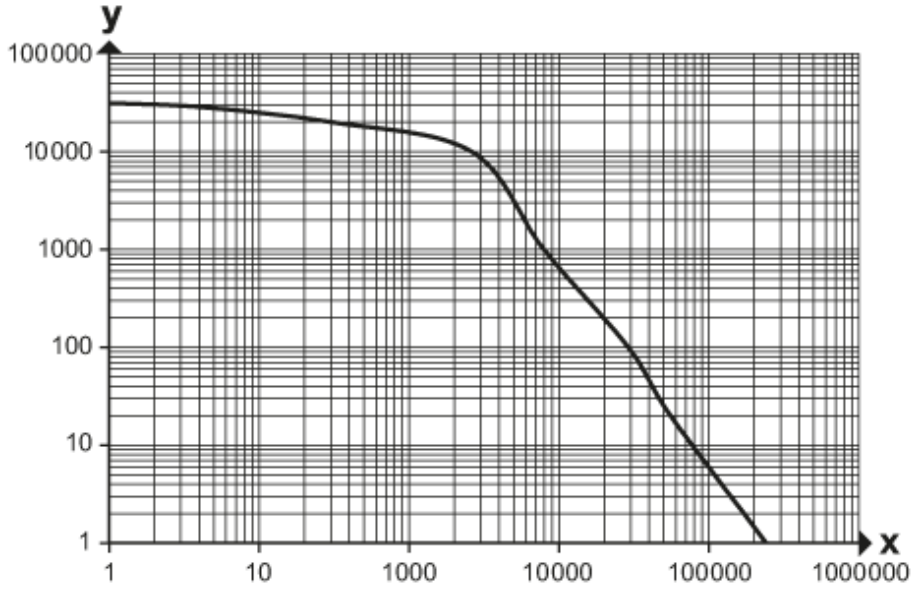
Connection



	Core colours :
BK =	black
BN =	brown
BU =	blue

Diagrams and graphs

excess gain graph



x: Abstand [mm]

y: Funktionsreservefaktor