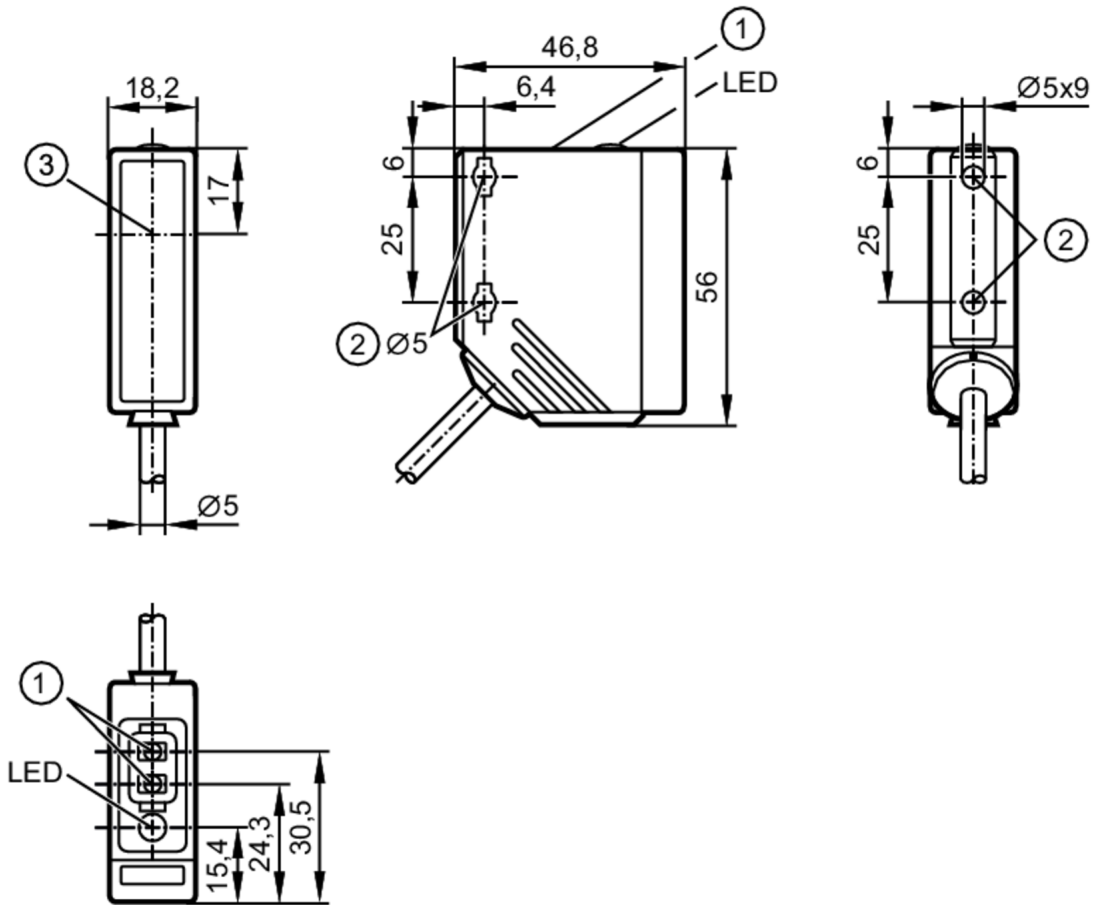


O5E501



Through-beam sensor receiver

O5E-FPKG/2M



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



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)

O5E501



Through-beam sensor receiver

O5E-FPKG/2M

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]	< 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]	141.5
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		
Remarks		cULus - Class 2 source required
Pack quantity		1 pcs.



Through-beam sensor receiver

O5E-FPKG/2M

Electrical connection

Cable: 2 m, PUR; 3 x 0.34 mm²

Connection



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

Diagrams and graphs

excess gain graph

