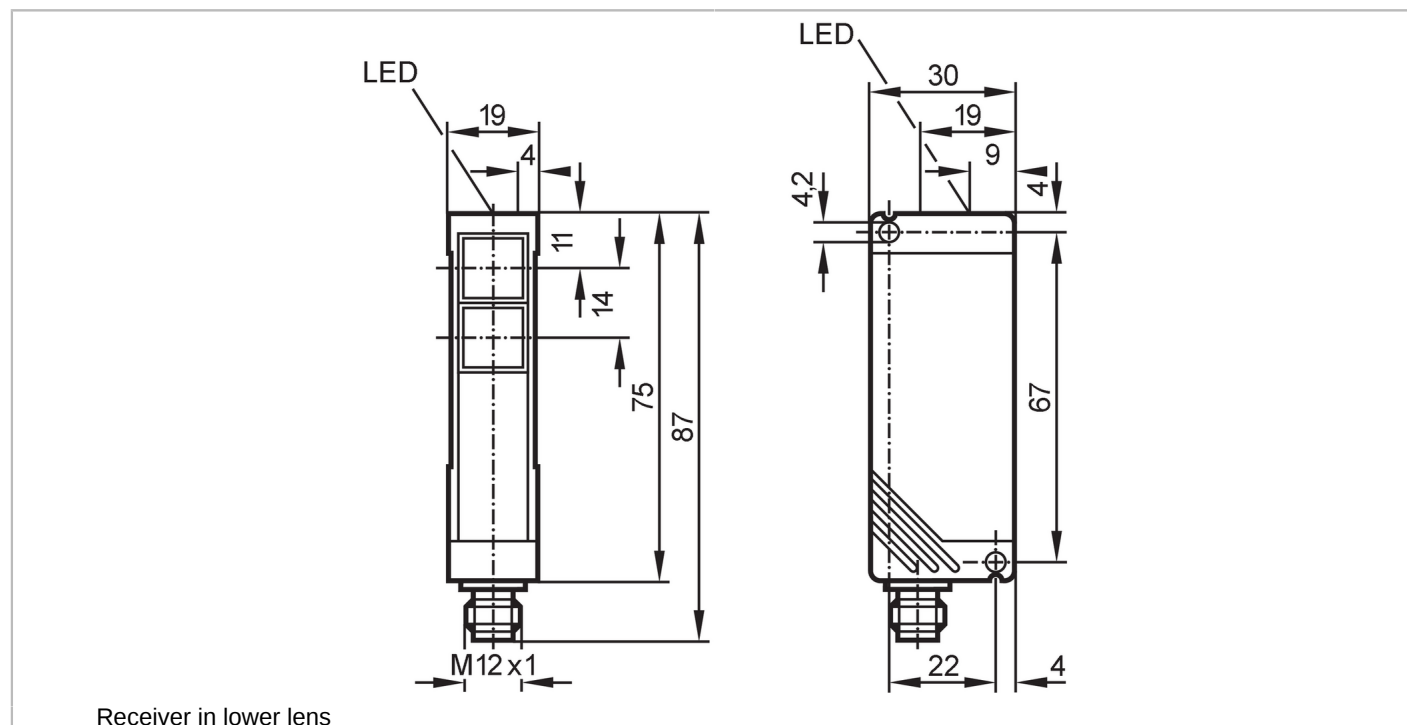




Through-beam sensor receiver

OTE-FPKG/US-100-IPF



Product characteristics

Type of light	Infrared light
Housing	rectangular

Application

Function principle	Through-beam sensor
Application	Industrial applications

Electrical data

Operating voltage	[V]	10...50 DC
Current consumption	[mA]	30; ((24 V))
Protection class		II
Reverse polarity protection		yes
Type of light		Infrared light
Wave length	[nm]	880

Outputs

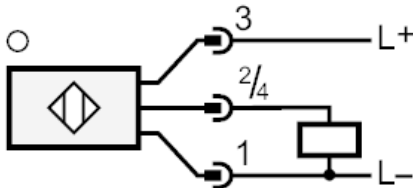
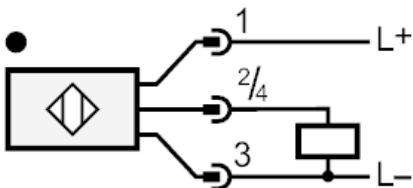
Electrical design		PNP
Output function		light-on/dark-on mode; (programmable)
Max. voltage drop switching output DC	[V]	2.5
Permanent current rating of switching output DC	[mA]	250
Switching frequency DC	[Hz]	150
Short-circuit protection		yes
Type of short-circuit protection		yes (non-latching)
Overload protection		yes

OT5009



Through-beam sensor receiver

OTE-FPKG/US-100-IPF

Monitoring range		
Transmitter / receiver		receiver
Range	[m]	< 10
Range adjustable		yes
Operating conditions		
Ambient temperature	[°C]	-25...60
Protection		IP 65
Tests / approvals		
EMC	EN 60947-5-2	
	EN 55011	class B
MTTF	[years]	573
Mechanical data		
Weight	[g]	161
Housing		rectangular
Dimensions	[mm]	87 x 19 x 30
Material		housing: PBT
Lens material		front lens:PMMA
Lens alignment		Side sensing
Displays / operating elements		
Display	Switching status	1 x LED, yellow
	Power	1 x LED, green
Accessories		
Items supplied	Angle bracket: 1, E20461	
	screwdrivers	
Remarks		
Pack quantity		1 pcs.
Electrical connection		
Connector: 1 x M12; coding: A; Contacts: 4		
		
Connection		
		
		

OT5009



Through-beam sensor receiver

OTE-FPKG/US-100-IPF

Diagrams and graphs

excess gain graph

