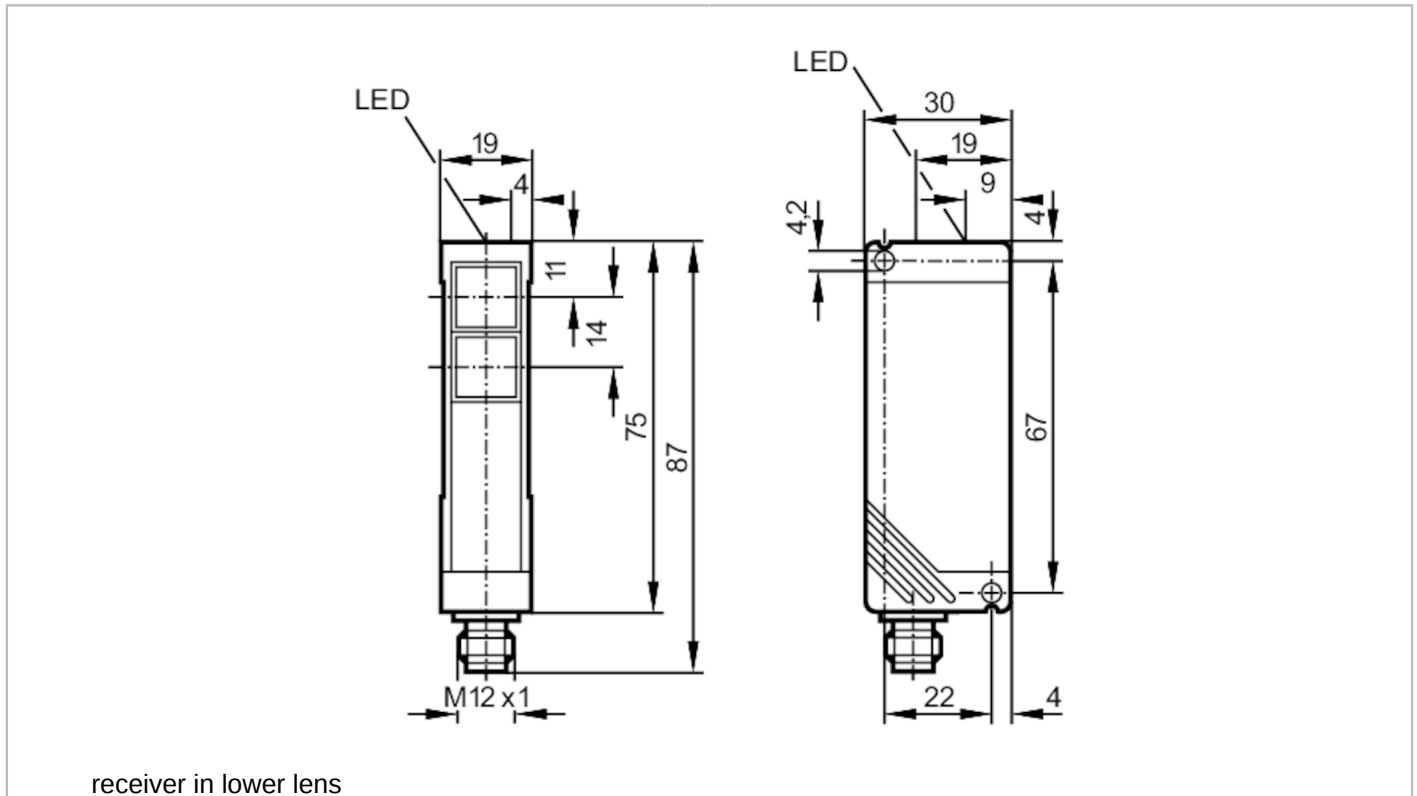


OT5009



Through-beam sensor receiver

OPE-FPKG/US-100-IPF




Application	
Function principle	Through-beam sensor
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	pulsed
Overload protection	yes

OT5009



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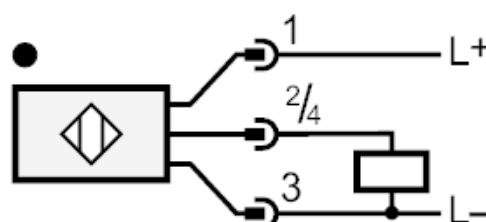
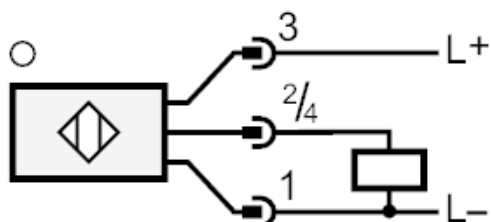
Detection zone		
Transmitter / receiver		receiver
Range [m]		< 10
Range adjustable		yes
Operating conditions		
Ambient temperature [°C]		-25...60
Protection		IP 65
Tests / approvals		
EMC	EN 60947-5-2	
	EN 55011	class B
MTTF [years]		573
Mechanical data		
Weight [g]		159.6
Housing		rectangular
Materials		PBT
Lens material		PMMA
Lens alignment		side lens
Displays / operating elements		
Display	switching status	1 x LED, yellow
	operation	1 x LED, green
Accessories		
Accessories (supplied)		Angle bracket: 1 x, E20461 screwdrivers
Remarks		
Pack quantity		1 pcs.
Electrical connection		
Connector: 1 x M12		
		



Through-beam sensor receiver

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Connection



Diagrams and graphs

excess gain graph

