

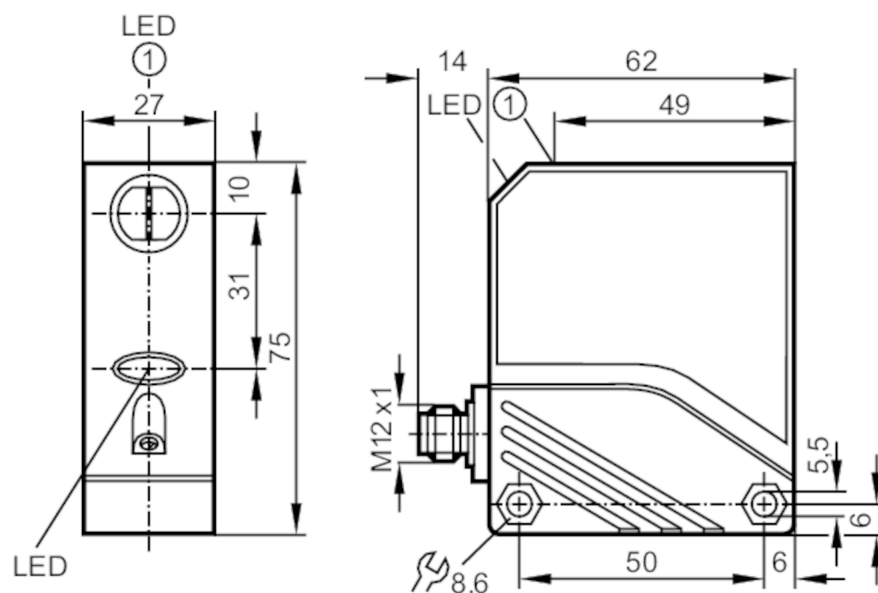
Through-beam sensor receiver

OLE-FPKG/US-100

Article no longer available - archive entry

Alternative articles: O5E500 + E21122

When selecting an alternative article and accessories please note that technical data may differ!



1 pushbutton

Product characteristics

Type of light	Infrared light
Housing	rectangular
Dimensions [mm]	75 x 27 x 62

Application

System	Function check output
Function principle	Through-beam sensor

Electrical data

Operating voltage [V]	10...36 DC
Current consumption [mA]	< 30
Protection class	II
Reverse polarity protection	yes
Overvoltage protection	yes
Type of light	Infrared light
Wave length [nm]	880



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Outputs		
Electrical design	PNP	
Output function	light-on/dark-on mode; (configurable)	
Max. voltage drop switching output DC [V]	2.5	
Function check output	yes	
Max. voltage drop of function check output [V]	3.5	
Max. current load for function check output [mA]	10	
Permanent current rating of switching output DC [mA]	100; (200 (...50 °C))	
Switching frequency DC [Hz]	500	
Short-circuit protection	yes	
Type of short-circuit protection	yes (non-latching)	
Monitoring range		
Transmitter / receiver	receiver	
Range [m]	< 25	
Operating conditions		
Ambient temperature [°C]	-25...80	
Protection	IP 67	
Tests / approvals		
EMC	EN 60947-5-2	
	EN 55011	class B
MTTF [years]	462	
Mechanical data		
Housing	rectangular	
Dimensions [mm]	75 x 27 x 62	
Material	PA; PBT	
Lens material	PMMA	
Displays / operating elements		
Display	Switching status	1 x LED, yellow
	Power	1 x LED, green
	Function	1 x LED, red
Remarks		
Pack quantity	1 pcs.	
Electrical connection		
Connector: 1 x M12		
		

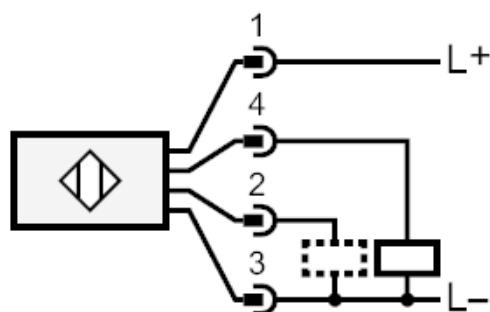




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Connection



2 Function check output

Diagrams and graphs

excess gain graph

