

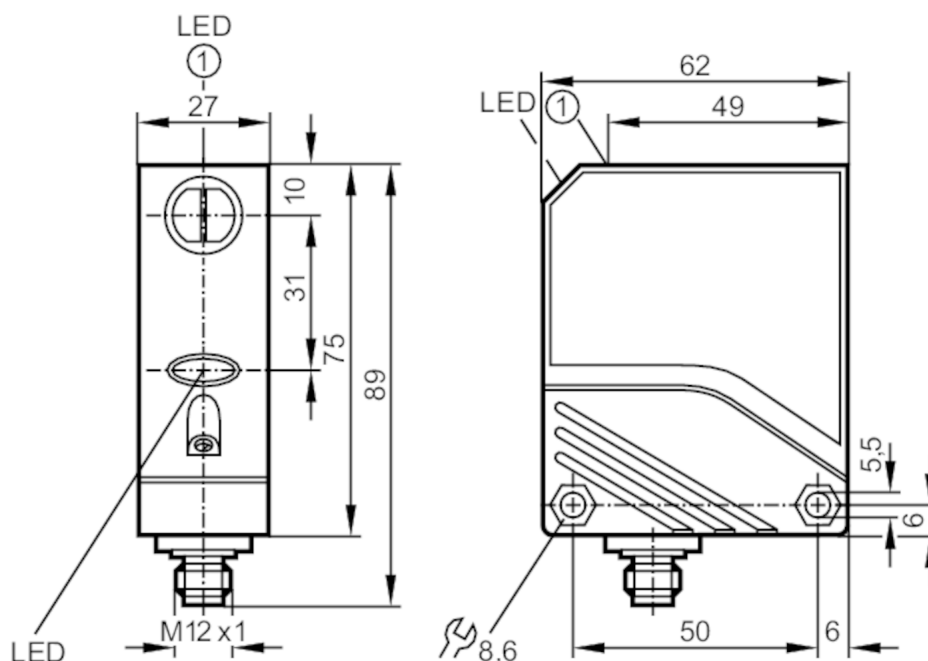
Through-beam sensor receiver

OLELFNKG/US-100

Article no longer available - archive entry

Alternative articles: O5E700 + EVC01E + E21122

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



1 pushbutton

Product characteristics

Type of light	red light
Housing	rectangular

Application

System	Function check output
Function principle	Through-beam sensor

Electrical data

Operating voltage	[V]	10...30 DC
Current consumption	[mA]	< 30
Protection class		II
Reverse polarity protection		yes
Overvoltage protection		yes
Type of light		red light
Wave length	[nm]	675

Outputs

Electrical design		NPN
Output function		light-on/dark-on mode; (configurable)
Max. voltage drop switching output DC	[V]	2.5
Function check output		yes



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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]	200
Switching frequency DC [Hz]	500
Short-circuit protection	yes
Type of short-circuit protection	yes (non-latching)

Monitoring range	
Transmitter / receiver	receiver
Range [m]	< 60
Range adjustable	yes
Diameter of the smallest detectable object [mm]	3

Operating conditions	
Ambient temperature [°C]	-10...50
Protection	IP 67

Tests / approvals		
EMC	EN 60947-5-2	
	EN 55011	class B

Mechanical data	
Housing	rectangular
Dimensions [mm]	75 x 27 x 62
Material	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; coding: A



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Connection



2 Function check output

Diagrams and graphs

excess gain graph

