



Through-beam sensor receiver

OFE-FPKG/US-100



1 potentiometer



Product characteristics

Type of light	infrared light
Housing	threaded type

Application

Special feature	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
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
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]	200
Switching frequency DC [Hz]	320
Short-circuit protection	yes
Type of short-circuit protection	pulsed
Overload protection	yes

Detection zone

Transmitter / receiver	receiver
Range [m]	< 4



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Range adjustable	yes
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Operating conditions	
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Ambient temperature	[°C]	-25...60
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Protection	IP 65
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Tests / approvals	
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EMC	EN 60947-5-2
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MTTF	[years]	652
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Mechanical data	
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Weight	[g]	40.7
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Housing	threaded type
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Dimensions	[mm]	M12 x 1 / L = 74
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Thread designation	M12 x 1
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Materials	housing: brass white bronze coated
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Lens material	PMMA
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Displays / operating elements		
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Display	switching status	1 x LED, yellow
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operation	1 x LED, green
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function	1 x LED, red
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Accessories	
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Items supplied	lock nuts: 2
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screwdrivers

Remarks	
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Pack quantity	1 pcs.
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Electrical connection	
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Connector: 1 x M12; coding: A



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Connection



2 Function check output

Diagrams and graphs

excess gain graph

