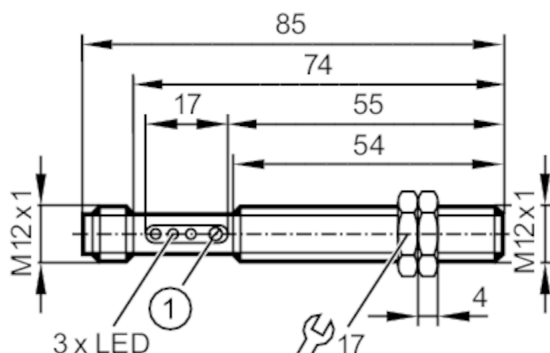


OF5022



Through-beam sensor receiver

OFE-FPKG/US-100



1 potentiometer



Product characteristics

Type of light	Infrared light
Housing	Threaded type

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
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		yes (non-latching)
Overload protection		yes

Monitoring range

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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Material	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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Power	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

