

Through-beam sensor receiver

OGE-FPKG/US-100

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1 pushbutton

Product characteristics

Housing	threaded type
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Application

Function principle	Through-beam sensor
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Electrical data

Operating voltage	[V]	10...36 DC
Current consumption	[mA]	< 24
Protection class		II
Reverse polarity protection		yes

Outputs

Electrical design	PNP	
Output function	light-on/dark-on mode; (parameterisable)	
Max. voltage drop switching output DC	[V]	2.5
Permanent current rating of switching output DC	[mA]	200
Switching frequency DC	[Hz]	500
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes

Detection zone

Transmitter / receiver		receiver
Range	[m]	< 15
Range adjustable		yes

Operating conditions

Ambient temperature	[°C]	-25...80
Protection		IP 67

Tests / approvals

EMC	EN 60947-5-2
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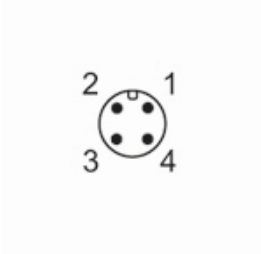
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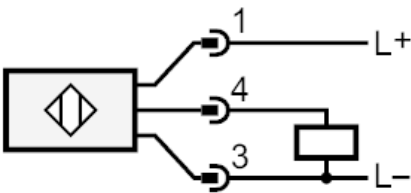
Mechanical data		
Housing	threaded type	
Dimensions [mm]	M18 x 1 / L = 72	
Thread designation	M18 x 1	
Materials	PC	
Lens material	PMMA	
Displays / operating elements		
Display	switching status	1 x LED, yellow
	operation	1 x LED, green
Accessories		
Items supplied	lock nuts: 2	
Remarks		
Pack quantity	1 pcs.	

Electrical connection

Connector: 1 x M12; coding: A



Connection





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Diagrams and graphs

excess gain graph

