



Through-beam sensor receiver

OGE-FNKG/US100



1 programming buttons



Application

Function principle	Through-beam sensor
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Electrical data

Operating voltage	[V]	10...36 DC
Current consumption	[mA]	11
Protection class		II
Reverse polarity protection		yes
Type of light		red light
Wave length	[nm]	624

Outputs

Electrical design		NPN
Output function		light-on/dark-on mode; (programmable)
Max. voltage drop switching output DC	[V]	2.5
Permanent current rating of switching output DC	[mA]	150; (200 (...60 °C))
Switching frequency DC	[Hz]	1000
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes

Detection zone

Transmitter / receiver		receiver
Range	[m]	< 25
Factory setting		\$Dunkelschaltung
Range adjustable		yes

Operating conditions

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

OGE503



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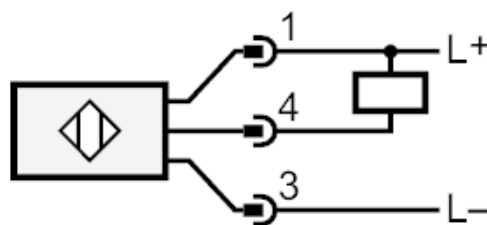
OGE-FNKG/US100

Tests / approvals		
EMC	EN 60947-5-2	
MTTF	[years]	822
Mechanical data		
Weight	[g]	64
Housing	threaded type	
Dimensions	[mm]	M18 x 1 / L = 72
Thread designation	M18 x 1	
Materials	stainless steel (1.4404 / 316L); PA; LCP; EPDM; TPU	
Lens material	PMMA	
Displays / operating elements		
Display	switching status	1 x LED, yellow
Accessories		
Accessories (supplied)	lock nuts: 2 x	
Remarks		
Remarks	operating voltage "supply class 2" according to cULus	
Pack quantity	1 pcs.	
Electrical connection		

Connector: 1 x M12



Connection





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Diagrams and graphs

excess gain graph

