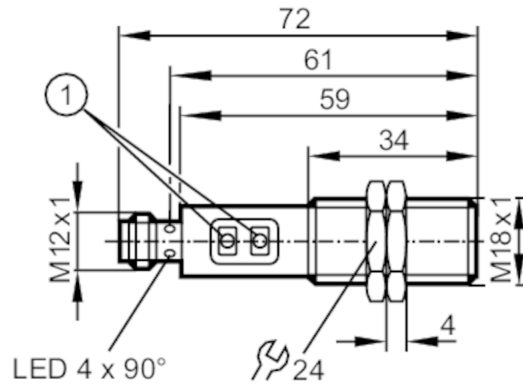


OGE503



Through-beam sensor receiver

OGE-FNKG/US100



1 programming buttons



Product characteristics

Type of light	red light
Housing	threaded type
Dimensions [mm]	M18 x 1 / L = 72

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	dark-on mode
Range adjustable	yes

OGE503



Through-beam sensor receiver

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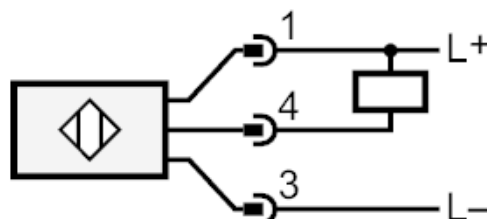
Operating conditions		
Ambient temperature	[°C]	-25...80
Protection		IP 67
Tests / approvals		
EMC		EN 60947-5-2
MTTF	[years]	822
Mechanical data		
Weight	[g]	61.8
Housing		threaded type
Dimensions	[mm]	M18 x 1 / L = 72
Thread designation		M18 x 1
Materials		stainless steel (1.4404 / 316L); PA; LCP; 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





Through-beam sensor receiver

OGE-FNKG/US100

Diagrams and graphs

excess gain graph

