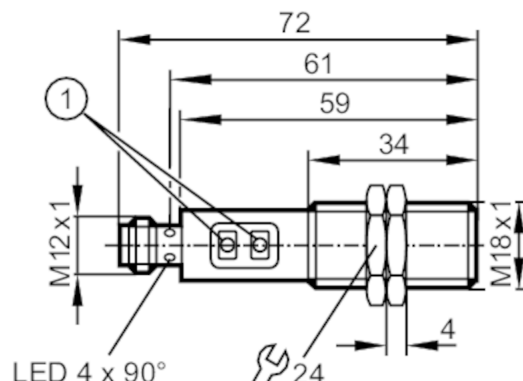




## Through-beam sensor receiver

OGE-FNKG/US100



1 programming buttons



### Product characteristics

Type of light	red light
Housing	threaded type

### 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



## Through-beam sensor receiver

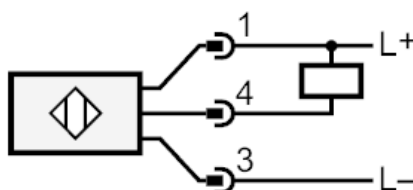
OGE-FNKG/US100

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 (316L/1.4404); PA; LCP; EPDM; TPU
Lens material		PMMA
Displays / operating elements		
Display	switching status	1 x LED, yellow
Accessories		
Items supplied		lock nuts: 2
Remarks		
Remarks		operating voltage "supply class 2" according to cULus
Pack quantity		1 pcs.
Electrical connection		

Connector: 1 x M12; coding: A



## Connection





## Through-beam sensor receiver

OGE-FNKG/US100

### Diagrams and graphs

excess gain graph

