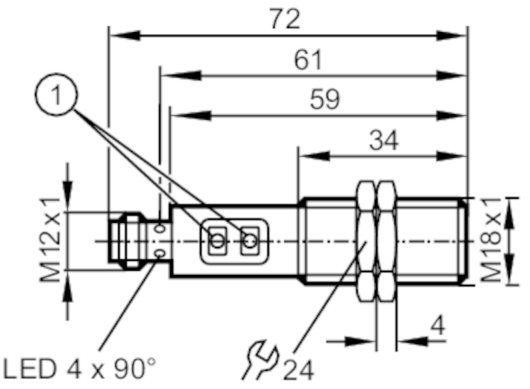
OGT500

Diffuse reflection sensor

OGT-FPKG/US100



1 programming buttons

Product characteristics		
Type of light		red light
Housing		threaded type
Application		
Function principle		Diffuse reflection sensor
Electrical data		
Operating voltage	[V]	10...36 DC; ("supply class 2" to cULus)
Current consumption	[mA]	25
Protection class		II
Reverse polarity protection		yes
Type of light		red light
Wave length	[nm]	624
Outputs		
Electrical design		PNP
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]	2000
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes
Detection zone		
Range	[mm]	2...800; (white paper 200 x 200 mm 90% remission)
Factory setting		light-on mode
Setting range	[mm]	150...800
Range adjustable		yes
Max. light spot diameter	[mm]	66

OGT500

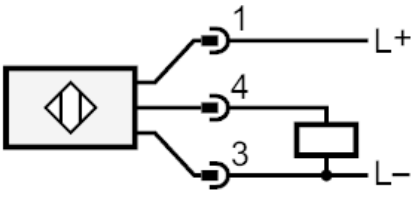
Diffuse reflection sensor

OGT-FPKG/US100

Light spot dimensions refer to		at maximum range
Operating conditions		
Ambient temperature	[°C]	-25...80
Protection		IP 67
Tests / approvals		
EMC		EN 60947-5-2
MTTF	[years]	473
Mechanical data		
Weight	[g]	58.4
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
Teach function		yes
Electronic lock		yes
Accessories		
Items supplied		lock nuts: 2
Remarks		
Pack quantity		1 pcs.
Electrical connection		

Connector: 1 x M12; coding: A

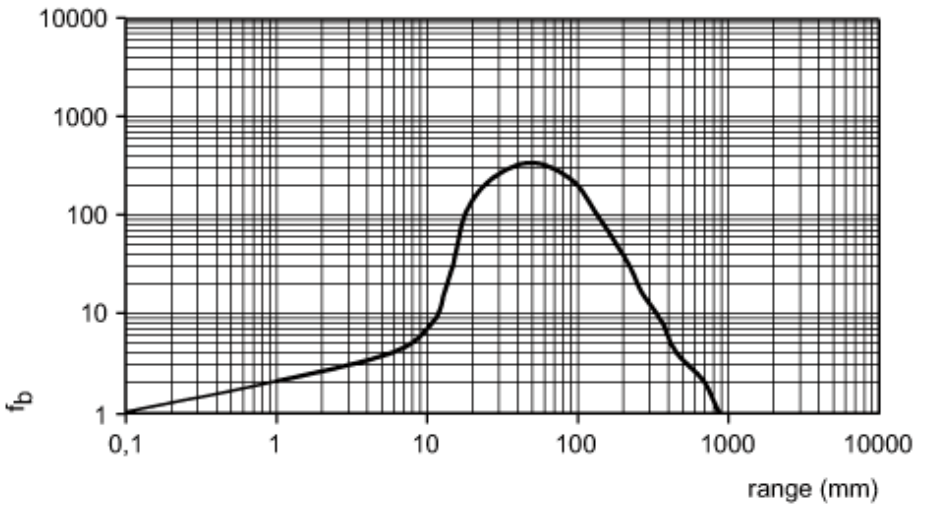
Connection



OGT500

Diffuse reflection sensor

OGT-FPKG/US100

Diagrams and graphs

excess gain graph