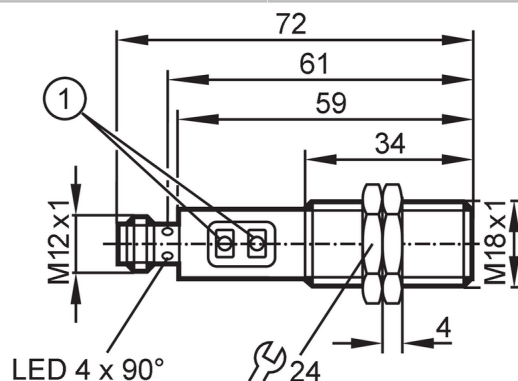




Diffuse reflection sensor

OGT-FPKG/US100



1 Programming buttons



Product characteristics

Type of light	red light
Housing	Threaded type

Application

Function principle	Diffuse reflection sensor
Application	Industrial applications

Electrical data

Operating voltage [V]	10...36 DC; (cULus - Class 2 source required)
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	yes (non-latching)
Overload protection	yes

Monitoring range

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
Light spot dimensions refer to	at maximum range

OGT500



Diffuse reflection sensor

OGT-FPKG/US100

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
Material		stainless steel (1.4404 / 316L); PA; LCP; EPDM; TPU (urethane)
Lens material		front lens:PMMA

Displays / operating elements

Display	Switching status	1 x LED, yellow
Teach function		yes
Electronic lock		yes

Accessories

Items supplied		lock nuts: 2
----------------	--	--------------

Remarks

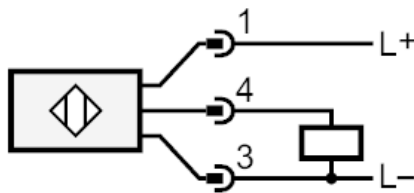
Pack quantity		1 pcs.
---------------	--	--------

Electrical connection

Connector: 1 x M12; coding: A; Contacts: 4



Connection



OGT500

Diffuse reflection sensor

OGT-FPKG/US100



Diagrams and graphs

excess gain graph

