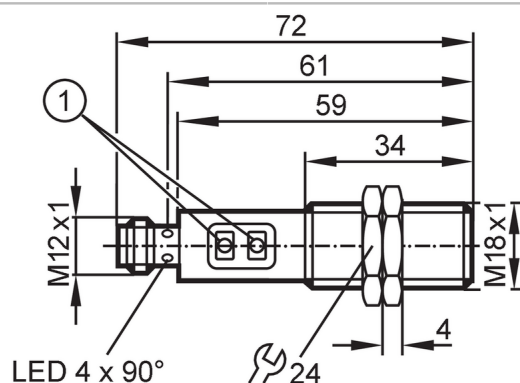


OGT500



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
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

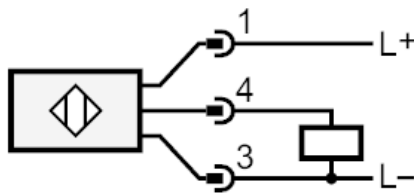
Pack quantity		1 pcs.
---------------	--	--------

Electrical connection

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



Connection





Diffuse reflection sensor

OGT-FPKG/US100

Diagrams and graphs

excess gain graph

