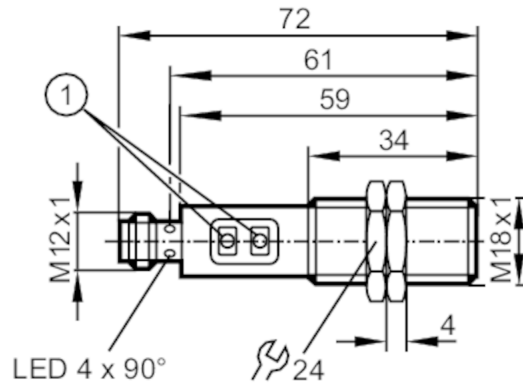


OGT500



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
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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
Range adjustable		yes
Max. light spot diameter	[mm]	66
Light spot dimensions refer to		at maximum range

OGT500



Diffuse reflection sensor

OGT-FPKG/US100

Monitoring range final value [mm]	150...800
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Operating conditions

Ambient temperature [°C]	-25...80
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Protection	IP 67
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Tests / approvals

EMC	EN 60947-5-2
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MTTF [years]	473
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Mechanical data

Weight [g]	58.4
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Housing	threaded type
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Dimensions [mm]	M18 x 1 / L = 72
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Thread designation	M18 x 1
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Materials	stainless steel (1.4404 / 316L); PA; LCP; EPDM; TPU
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Lens material	PMMA
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Displays / operating elements

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

Items supplied	lock nuts: 2 x
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Remarks

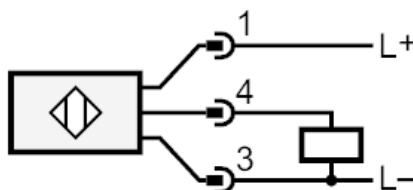
Pack quantity	1 pcs.
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Electrical connection

Connector: 1 x M12; coding: A



Connection



OGT500



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Diagrams and graphs

excess gain graph

