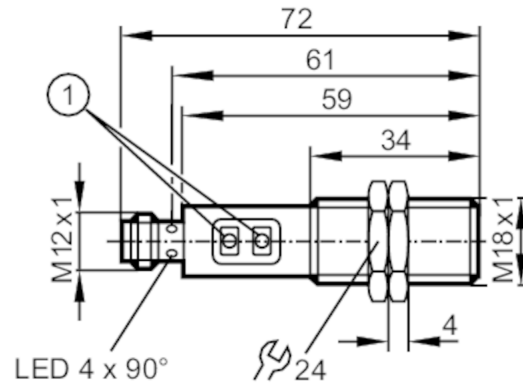


OGT300



Diffuse reflection sensor

OGT-FPKG/US100



1 programming buttons



Application

Function principle Diffuse reflection sensor

Electrical data

Operating voltage [V]	10...36 DC
Current consumption [mA]	25
Protection class	II
Reverse polarity protection	yes
Type of light	red light

Outputs

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
Electrical design	PNP
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	\$Hellschaltung
Range adjustable	yes
Max. light spot diameter [mm]	66
Light spot dimensions refer to	at maximum range
Monitoring range final value [mm]	150...800

Operating conditions

Ambient temperature [°C]	-25...80
Protection	IP 65; IP 67; IP 68; IP 69K

OGT300



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Tests / approvals

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

Mechanical data

Weight	[g]		63.4
Housing			threaded type
Dimensions	[mm]		M18 x 1 / L = 72
Thread designation			M18 x 1
Materials			stainless steel (1.4404 / 316L); PA; LCP; EPDM; TPU
Lens material			PMMA

Displays / operating elements

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

Accessories

Accessories (supplied)			lock nuts: 2 x
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Remarks

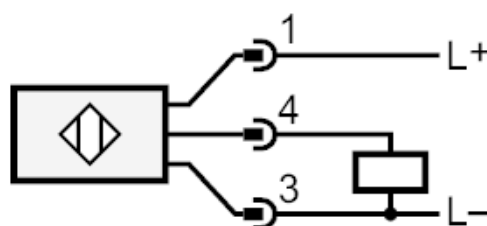
Remarks			operating voltage "supply class 2" according to cULus
Pack quantity			1 pcs.

Electrical connection

Connector: 1 x M12



Connection



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Diagrams and graphs

excess gain graph

