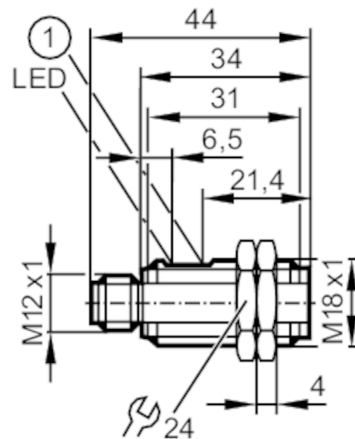


OGT100



Diffuse reflection sensor

OGT-HPKG/US



- 1 potentiometer
receiver in upper lens
transmitter in lower lens



Application

Function principle Diffuse reflection sensor

Electrical data

Operating voltage [V]	10...30 DC
Current consumption [mA]	20
Protection class	III
Reverse polarity protection	yes
Type of light	red light
Wave length [nm]	645

Outputs

Electrical design	PNP
Output function	light-on mode
Max. voltage drop switching output DC [V]	2.5
Permanent current rating of switching output DC [mA]	200
Switching frequency DC [Hz]	1000
Short-circuit protection	yes
Overload protection	yes

Detection zone

Range [mm]	10...400; (white paper 200 x 200 mm 90 % remission)
Range adjustable	yes
Max. light spot diameter [mm]	25
Light spot dimensions refer to	at maximum range
Monitoring range final value [mm]	70...400

Operating conditions

Ambient temperature [°C]	-25...60
Protection	IP 65; (in conjunction with a corresponding connector)

OGT100



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Tests / approvals

EMC		EN 60947-5-2	
MTTF	[years]		901

Mechanical data

Weight	[g]		16
Housing			threaded type
Dimensions	[mm]		M18 x 1 / L = 44
Thread designation			M18 x 1
Materials			housing: ABS
Lens material			PMMA

Displays / operating elements

Display		switching status	1 x LED, yellow
Operating elements		potentiometer	

Accessories

Accessories (supplied)			lock nuts: 2 x
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Remarks

Pack quantity			1 pcs.
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Electrical connection

Connector: 1 x M12



Connection

