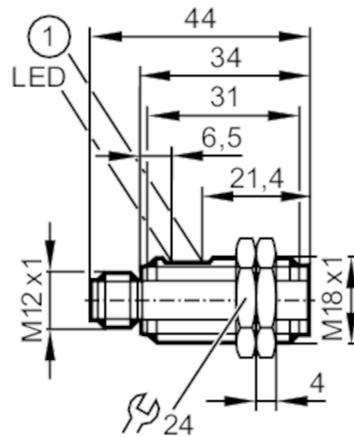


# OGT103



## Diffuse reflection sensor

OGT-DNKG/US



- 1 potentiometer  
Receiver in upper lens  
transmitter in lower lens



### Product characteristics

Type of light	red light
Housing	Threaded type

### 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

### Outputs

Electrical design		NPN
Output function		dark-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

### Monitoring range

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

# OGT103



## Diffuse reflection sensor

OGT-DNKG/US

Operating conditions		
Ambient temperature	[°C]	-25...60
Protection		IP 65; (in conjunction with a corresponding connector)
Tests / approvals		
EMC		EN 60947-5-2
MTTF	[years]	894
Mechanical data		
Weight	[g]	14.6
Housing		Threaded type
Dimensions	[mm]	M18 x 1 / L = 44
Thread designation		M18 x 1
Material		housing: ABS
Lens material		PMMA
Displays / operating elements		
Display	Switching status	1 x LED, yellow
Operating elements		potentiometer
Accessories		
Items supplied		lock nuts: 2
Remarks		
Pack quantity		1 pcs.

Connector: 1 x M12; coding: A



### Connection

