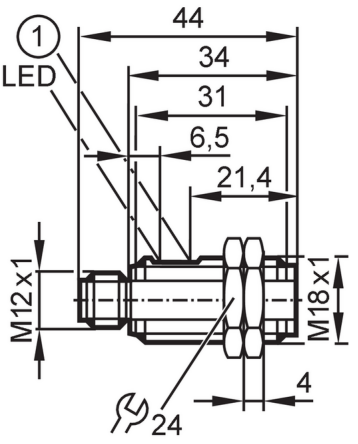
OGT100

Diffuse reflection sensor

OGT-HPKG/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
Application		For use in conveying and materials handling
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)
Setting range	[mm]	70...400
Range adjustable		yes
Max. light spot diameter	[mm]	25
Light spot dimensions refer to		at maximum range

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Diffuse reflection sensor

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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]	641	
Mechanical data			
Weight	[g]	14.8	
Housing		threaded type	
Dimensions	[mm]	M18 x 1 / L = 44	
Thread designation		M18 x 1	
Materials		housing: ABS	
Lens material		front pane: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.	

Electrical connection

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



Connection

