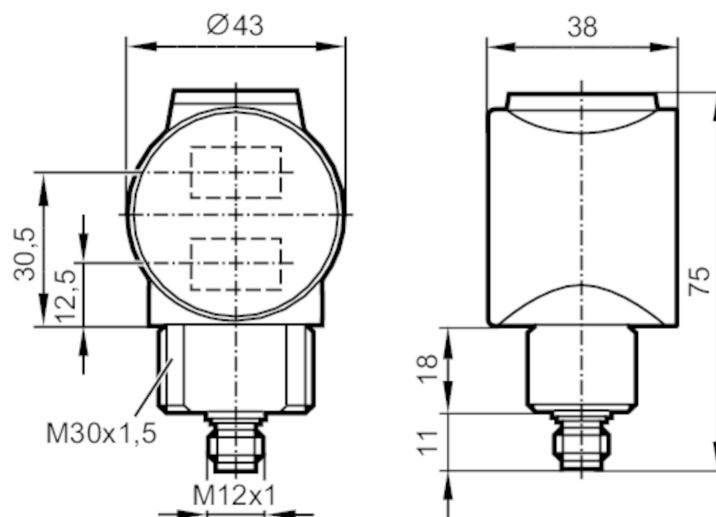




Diffuse reflection sensors with background suppression

OIH-HNKG/US/600MM

Article no longer available - archive entry



1 potentiometer



Product characteristics

Type of light	red light
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Application

System	Background suppression
Function principle	Diffuse reflection sensor

Electrical data

Operating voltage	[V]	10...30 DC; (cULus - Class 2 source required)
Current consumption	[mA]	35
Protection class		III
Reverse polarity protection		yes
Type of light		red light
Wave length	[nm]	625

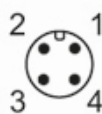
Outputs

Electrical design		NPN
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]	300
Short-circuit protection		yes
Type of short-circuit protection		yes (non-latching)
Overload protection		yes



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Monitoring range		
Range	[mm]	< 600; (white paper 200 x 200 mm 90 % remission)
Range on white object (90 % remission)	[mm]	< 600
Range on grey object (18 % remission)	[mm]	< 596
Range on black object (6 % remission)	[mm]	< 578
Range adjustable		no
Max. light spot diameter	[mm]	30
Light spot dimensions refer to		at maximum range
Background suppression available		yes
Operating conditions		
Ambient temperature	[°C]	-25...60
Protection		IP 67
Tests / approvals		
EMC	EN 60947-5-2	
Mechanical data		
Weight	[g]	200.4
Dimensions	[mm]	64 x 43 x 38
Thread designation		M30 x 1.5
Material		diecast zinc nickel-plated
Lens material		PMMA
Displays / operating elements		
Display	Switching status	1 x LED, yellow
	Power	1 x LED, green
Accessories		
Items supplied	lock nut: 1	
Remarks		
Pack quantity	1 pcs.	
Electrical connection		
Connector: 1 x M12; coding: A		
		



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Connection

