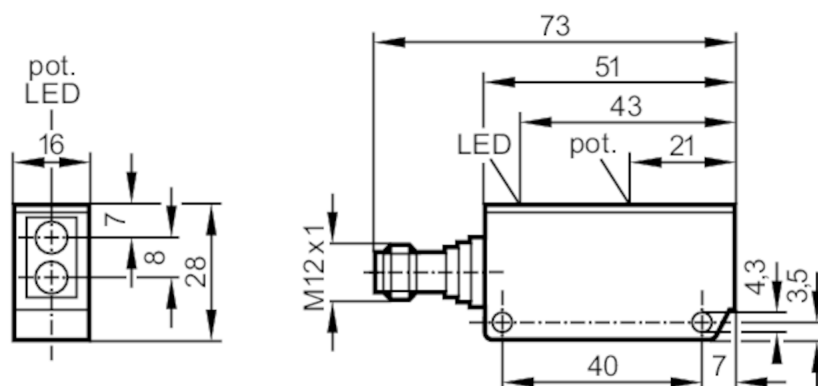


Diffuse reflection sensor

OUT-DNKG/US-100-DNO

Article no longer available - archive entry



Receiver in upper lens
transmitter in lower lens

Product characteristics

Type of light	Infrared light
Housing	rectangular

Application

Function principle	Diffuse reflection sensor
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Electrical data

Operating voltage	[V]	10...50 DC
Current consumption	[mA]	35; ((24 V))
Reverse polarity protection		yes
Type of light		Infrared light
Wave length	[nm]	880

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]	250
Switching frequency DC	[Hz]	160
Short-circuit protection		yes
Type of short-circuit protection		yes (non-latching)
Overload protection		yes

Monitoring range

Range	[mm]	< 200; (white paper 200 x 200 mm)
Range adjustable		yes
Max. light spot diameter	[mm]	180
Light spot dimensions refer to		at maximum range

Operating conditions

Ambient temperature	[°C]	-25...80
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Diffuse reflection sensor

OUT-DNKG/US-100-DNO

Protection		IP 67	
Tests / approvals			
EMC	EN 60947-5-2		
	EN 55011	class B	
Mechanical data			
Housing	rectangular		
Dimensions	[mm]	28 x 16 x 51	
Material	PPO modified		
Lens material	glass		
Displays / operating elements			
Display	Switching status		1 x LED, yellow
Accessories			
Items supplied	Angle bracket		
Remarks			
Pack quantity	1 pcs.		
Electrical connection			

Connector: 1 x M12; coding: A



Connection

