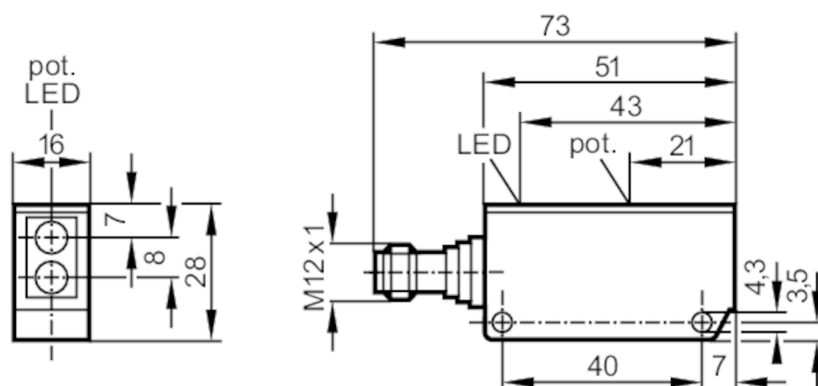




Diffuse reflection sensor

OUT-HNKG/US-100-DNS

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))
Protection class		III
Reverse polarity protection		yes
Type of light		Infrared light
Wave length	[nm]	880

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]	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]	1...200; (white paper 200 x 200 mm)
Range adjustable		yes
Max. light spot diameter	[mm]	180
Light spot dimensions refer to		at maximum range

OU5055



Diffuse reflection sensor

OUT-HNKG/US-100-DNS

Operating conditions

Ambient temperature	[°C]	-25...80
Protection		IP 67

Tests / approvals

EMC	EN 60947-5-2	
	EN 55011	class B

Mechanical data

Weight	[g]	0.074
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
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Accessories

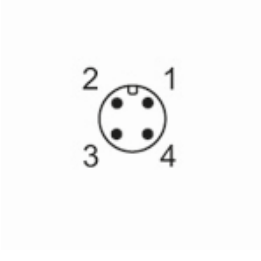
Items supplied	Angle bracket: 1, E20211
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Remarks

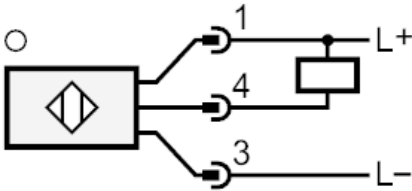
Pack quantity	1 pcs.
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Electrical connection

Connector: 1 x M12; coding: A



Connection





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Diagrams and graphs

excess gain graph

