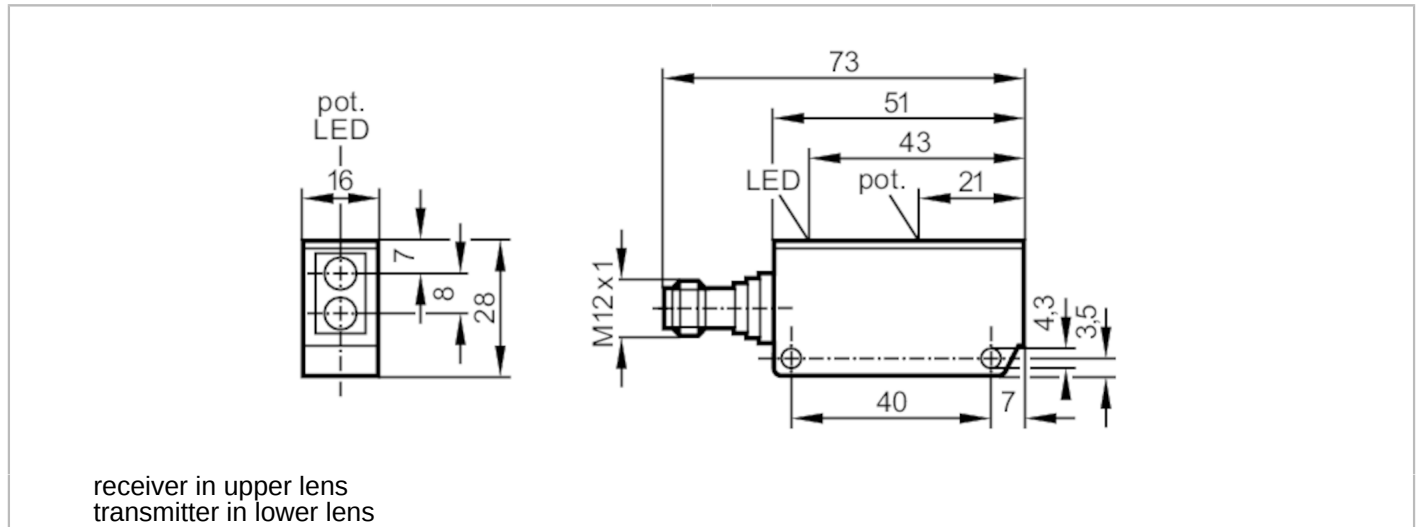




Diffuse reflection sensor

OUT-HPKG/US-100-DPS



Product characteristics		
Type of light		infrared light
Housing		rectangular
Dimensions	[mm]	28 x 16 x 51
Application		
Function principle		Diffuse reflection sensor
Electrical data		
Operating voltage	[V]	10...55 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		PNP
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
Overload protection		yes
Detection zone		
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

OU5034



Diffuse reflection sensor

OUT-HPKG/US-100-DPS

Operating conditions

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

Tests / approvals

EMC		EN 60947-5-2
MTTF	[years]	685

Mechanical data

Weight	[g]	73.4
Housing		rectangular
Dimensions	[mm]	28 x 16 x 51
Materials		PPO modified
Lens material		glass
Lens alignment		side lens

Displays / operating elements

Display	switching status	1 x LED, yellow
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Accessories

Accessories (supplied)	Angle bracket: 1 x, E20211
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Remarks

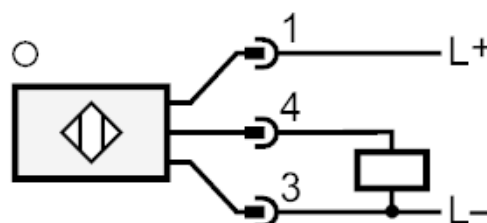
Pack quantity	1 pcs.
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Electrical connection

Connector: 1 x M12



Connection





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OUT-HPKG/US-100-DPS

Diagrams and graphs

excess gain graph

