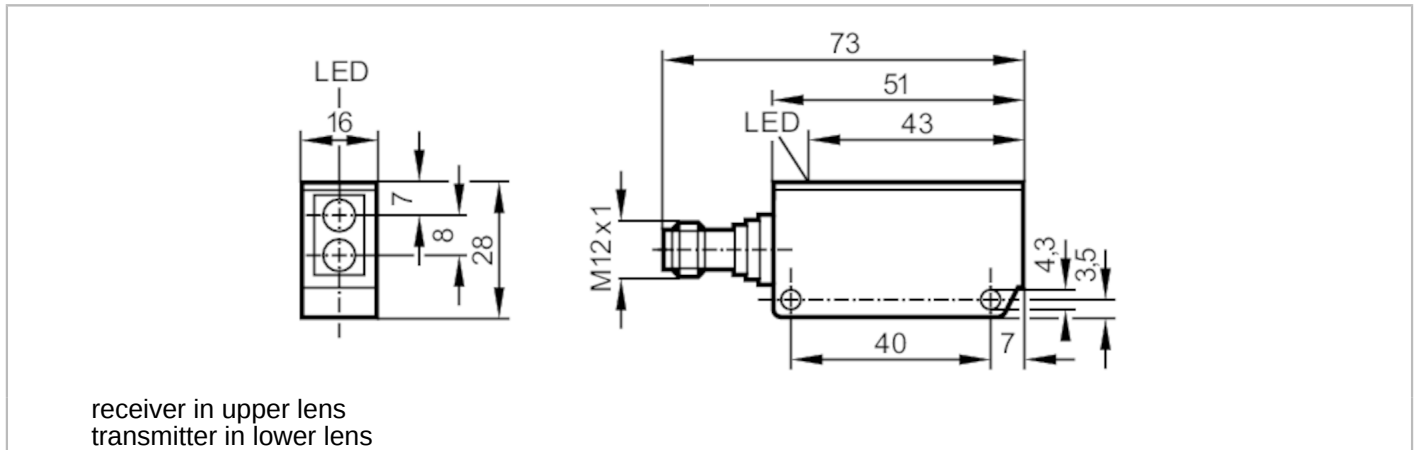


OU5069



Diffuse reflection sensor

OUN-HPKG/US-100-DPS



Product characteristics	
Type of light	infrared light
Housing	rectangular
Application	
Special feature	Diffuse reflection sensor for short ranges
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
Type of short-circuit protection	pulsed
Overload protection	yes
Detection zone	
Range [mm]	20...40; (white paper 200 x 200 mm)
Max. light spot diameter [mm]	20
Light spot dimensions refer to	at maximum range
Diffuse reflection sensor for short ranges	yes

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Operating conditions

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

Tests / approvals

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

Mechanical data

Weight	[g]	70.5
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

Items supplied	Angle bracket: 1, E20211
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Remarks

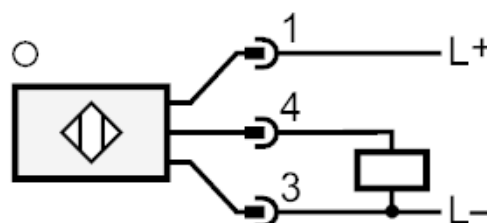
Pack quantity	1 pcs.
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Electrical connection

Connector: 1 x M12



Connection





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Diagrams and graphs

excess gain graph

