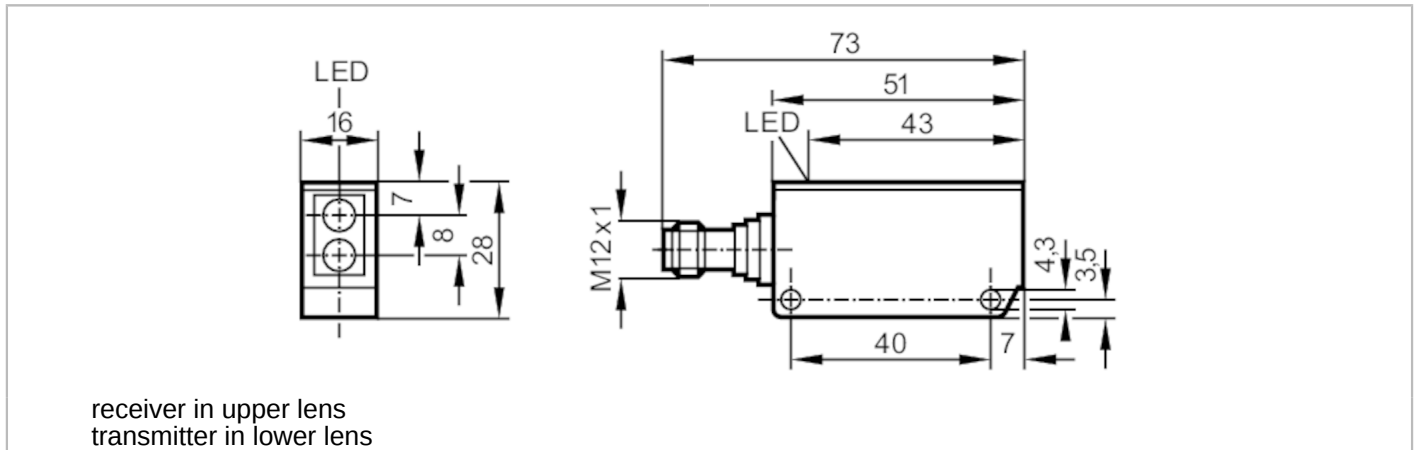




Diffuse reflection sensor

OUN-HPKG/US-100-DPS



Product characteristics	
Type of light	infrared light
Housing	rectangular
Dimensions [mm]	28 x 16 x 51
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

OU5069



Diffuse reflection sensor

OUN-HPKG/US-100-DPS

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

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

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

Remarks	
Pack quantity	1 pcs.

Electrical connection

Connector: 1 x M12

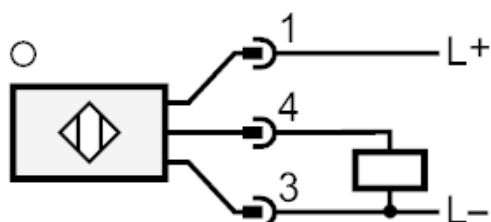




Diffuse reflection sensor

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Connection



Diagrams and graphs

excess gain graph

