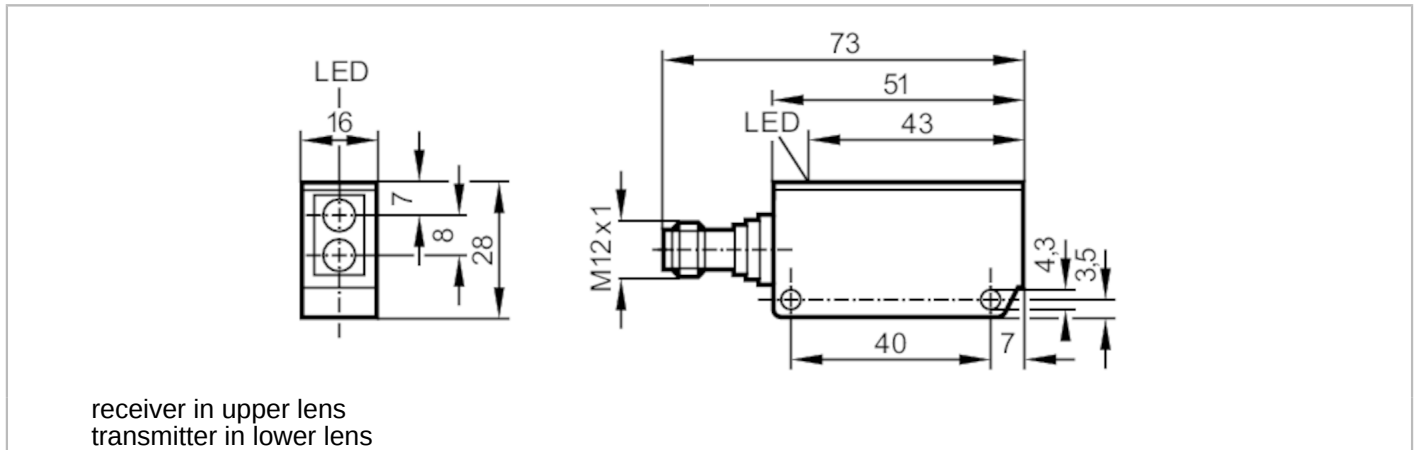


# OU5069



## Diffuse reflection sensor

OUN-HPKG/US-100-DPS



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

# OU5069



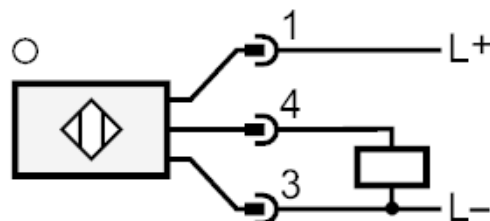
## Diffuse reflection sensor

OUN-HPKG/US-100-DPS

Tests / approvals		
EMC		EN 60947-5-2
MTTF	[years]	685
Mechanical data		
Weight	[g]	71.4
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
Accessories		
Accessories (supplied)		Angle bracket: 1 x, E20211
Remarks		
Pack quantity		1 pcs.
Electrical connection		
Connector: 1 x M12		



## Connection





## Diffuse reflection sensor

OUN-HPKG/US-100-DPS

### Diagrams and graphs

excess gain graph

