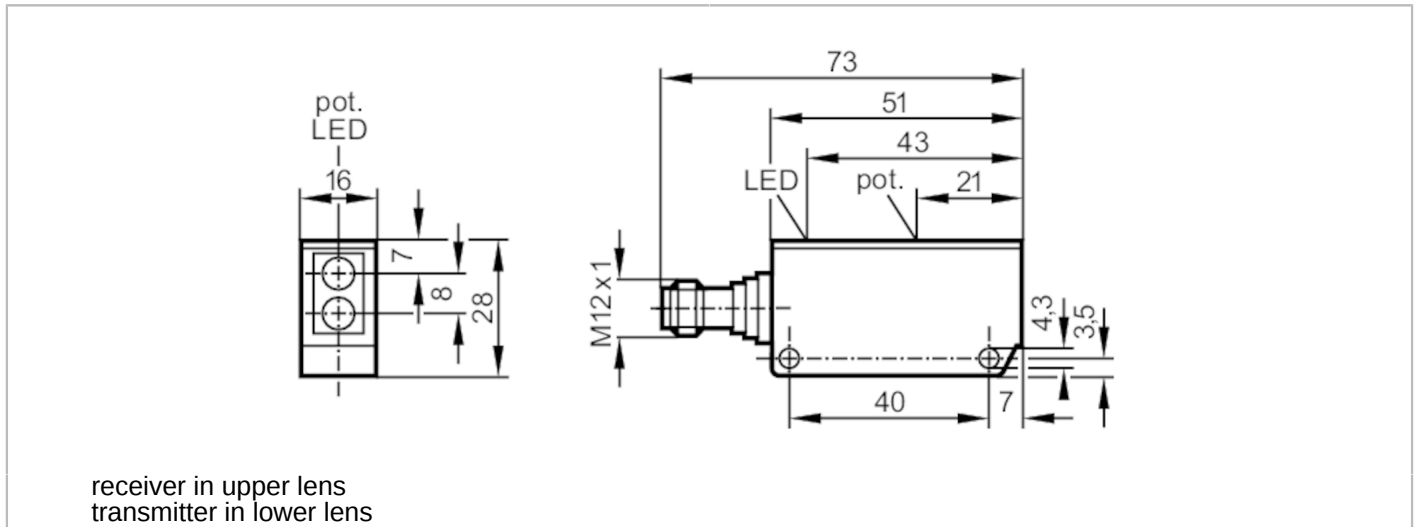


# OU5036



## Retro-reflective sensor

OUR-DPKG/US-100-DPS



Application	
Function principle	Retro-reflective 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	dark-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 referred to prismatic reflector [m]	0.15...3; (Prismatic reflector Ø 80 E20005)
Range adjustable	yes
Max. light spot diameter [mm]	262
Light spot dimensions refer to	at maximum range
Operating conditions	
Ambient temperature [°C]	-25...80
Protection	IP 67

# OU5036



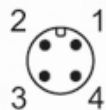
## Retro-reflective sensor

OUR-DPKG/US-100-DPS

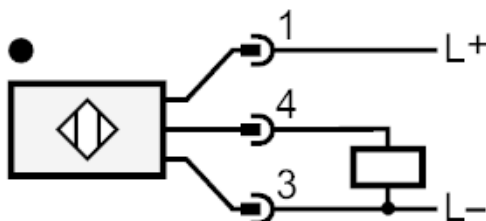
Tests / approvals		
EMC		EN 60947-5-2
MTTF	[years]	694
Mechanical data		
Weight	[g]	74.6
Housing		rectangular
Dimensions	[mm]	28 x 16 x 51
Materials		PPO modified
Lens material		glass
Lens alignment		side lens
Displays / operating elements		
Display	switching status	1 x LED, yellow
Accessories		
Accessories (supplied)		Angle bracket: 1 x, E20211
Remarks		
Pack quantity		1 pcs.

### Electrical connection

Connector: 1 x M12



### Connection





## Retro-reflective sensor

OUR-DPKG/US-100-DPS

### Diagrams and graphs

excess gain graph

