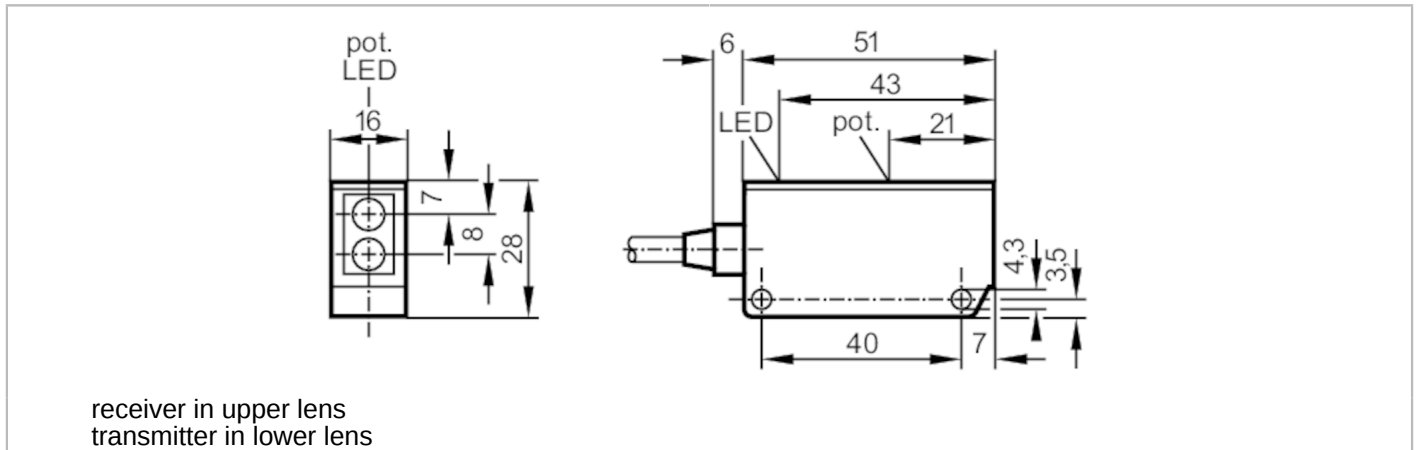


# OU5012



## Retro-reflective sensor

OUR-DPKG



Application	
Function principle	Retro-reflective sensor
Electrical data	
Operating voltage [V]	10...55 DC
Current consumption [mA]	35; ((24 V))
Protection class	II
Reverse polarity protection	yes
Type of light	infrared light
Wave length [nm]	950
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

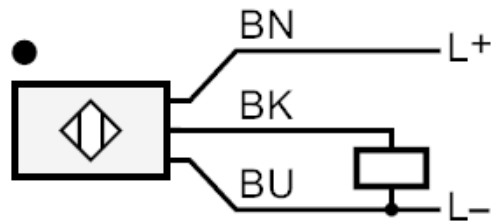
# OU5012



## Retro-reflective sensor

OUR-DPKG

Tests / approvals		
EMC	EN 60947-5-2 EN 55011	class B
MTTF [years]	694	
Mechanical data		
Weight [g]	148.8	
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		
Cable: 2 m, PVC; 3 x 0.34 mm <sup>2</sup>		
Connection		



BN	brown
BU	blue
BK	black



## Retro-reflective sensor

OUR-DPKG

### Diagrams and graphs

excess gain graph

