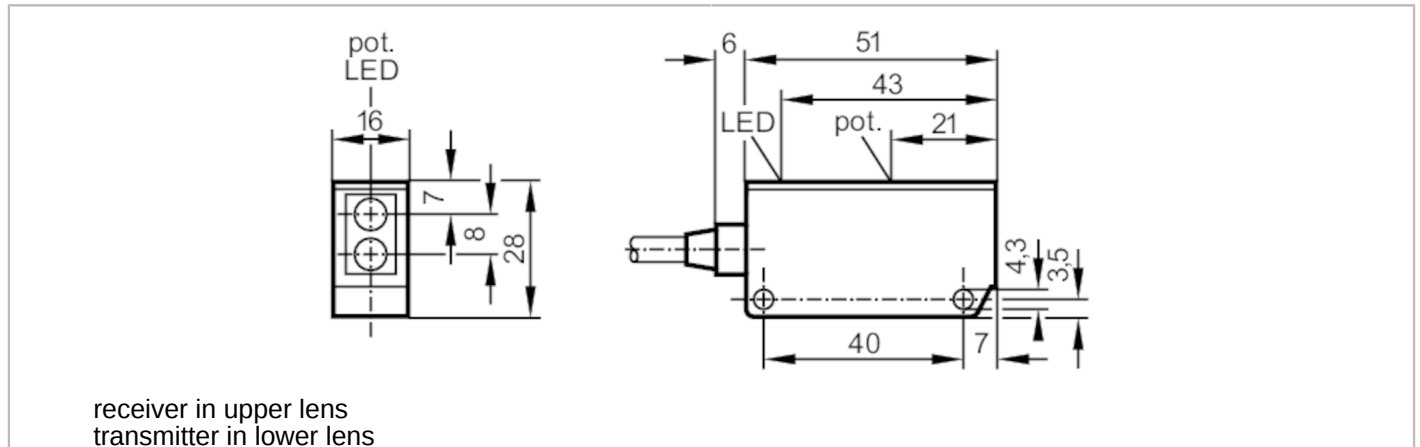


# OU5010



## Diffuse reflection sensor

OUT-HPKG



Product characteristics	
Type of light	infrared light
Housing	rectangular
Dimensions [mm]	28 x 16 x 51
Application	
Function principle	Diffuse reflection 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]	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]	1...200; (white paper 200 x 200 mm)
Range adjustable	yes
Max. light spot diameter [mm]	180
Light spot dimensions refer to	at maximum range

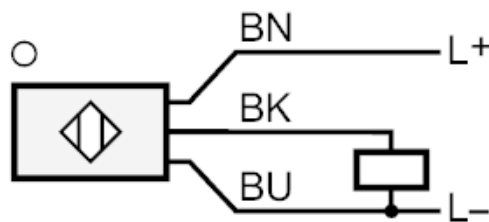
# OU5010



## Diffuse reflection sensor

OUT-HPKG

Operating conditions		
Ambient temperature	[°C]	-25...80
Protection		IP 67
Tests / approvals		
EMC		EN 60947-5-2
MTTF	[years]	685
Mechanical data		
Weight	[g]	150
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



## Diffuse reflection sensor

OUT-HPKG

### Diagrams and graphs

excess gain graph

