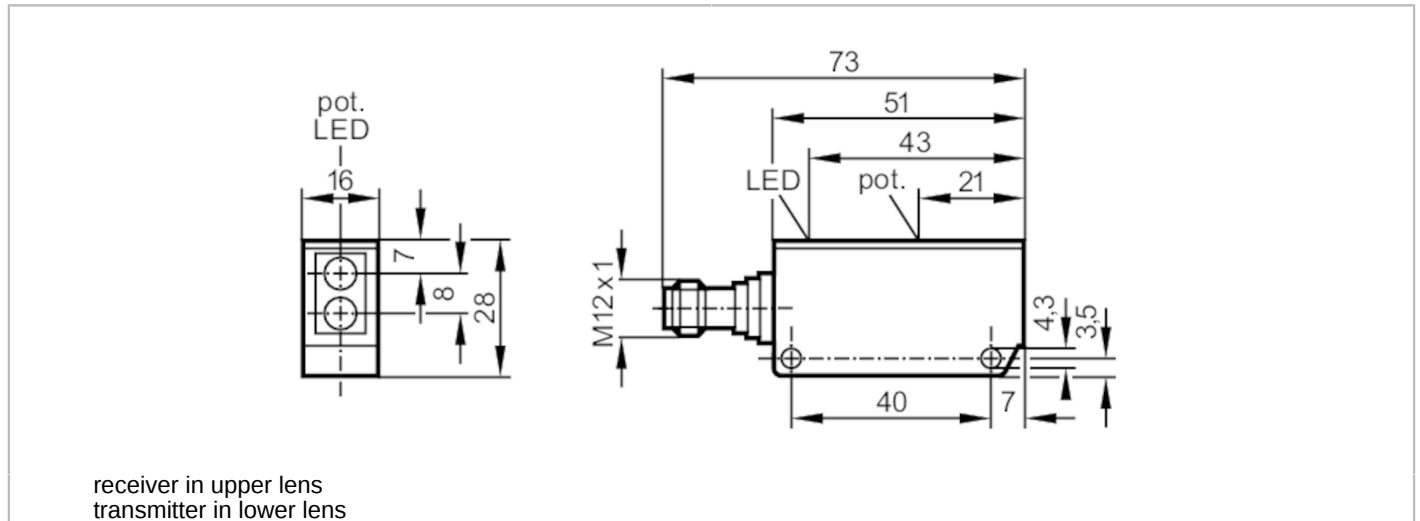


# OU5034



## Diffuse reflection sensor

OUT-HPKG/US-100-DPS



Product characteristics	
Type of light	infrared light
Housing	rectangular
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
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
Operating conditions	
Ambient temperature [°C]	-25...80

# OU5034



## Diffuse reflection sensor

OUT-HPKG/US-100-DPS

Protection	IP 67
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### Tests / approvals

EMC	EN 60947-5-2
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MTTF [years]	685
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### Mechanical data

Weight [g]	73.4
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Housing	rectangular
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Dimensions [mm]	28 x 16 x 51
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Materials	PPO modified
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Lens material	glass
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Lens alignment	side lens
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### Displays / operating elements

Display	switching status	1 x LED, yellow
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### Accessories

Items supplied	Angle bracket: 1, E20211
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### Remarks

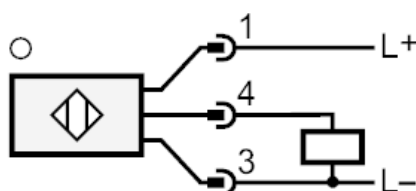
Pack quantity	1 pcs.
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### Electrical connection

Connector: 1 x M12; coding: A



### Connection





## Diffuse reflection sensor

OUT-HPKG/US-100-DPS

### Diagrams and graphs

excess gain graph

