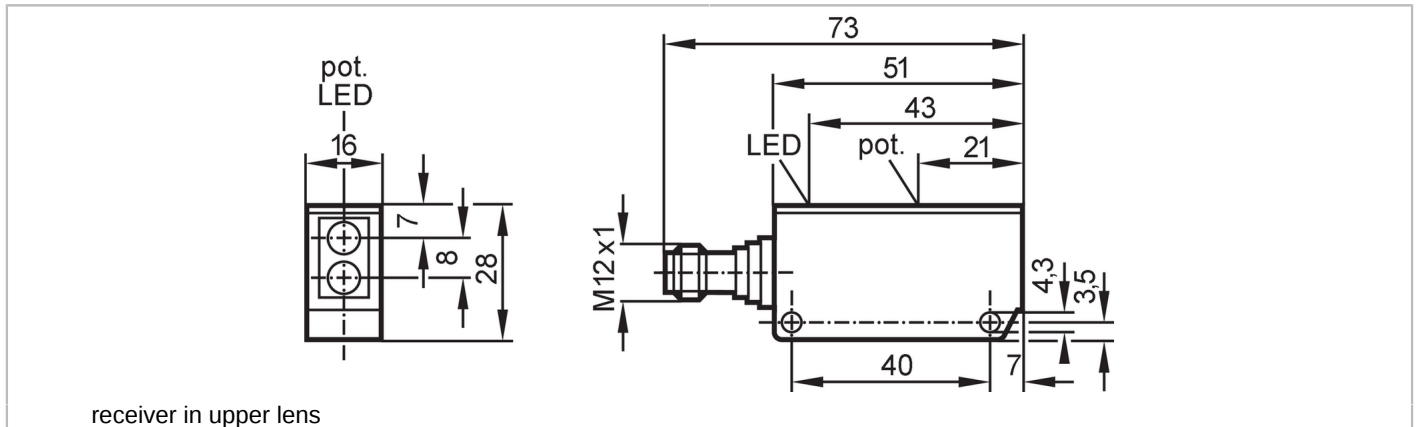


# OU5046



## Through-beam sensor receiver

OUE-DPKG/US-100-DPS



Product characteristics		
Type of light		infrared light
Housing		rectangular
Application		
Function principle		Through-beam sensor
Application		Industrial applications / factory automation
Electrical data		
Operating voltage	[V]	10...55 DC; ("supply class 2" to cULus)
Current consumption	[mA]	20; ((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]	140
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes
Detection zone		
Transmitter / receiver		receiver
Range	[m]	< 6
Range adjustable		yes
Operating conditions		
Ambient temperature	[°C]	-25...80

# OU5046



## Through-beam sensor receiver

OUE-DPKG/US-100-DPS

Protection	IP 67
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### Tests / approvals

EMC	EN 60947-5-2	
MTTF [years]	618	
UL approval	Ta	< 40 °C
	Enclosure type	Type 1
	voltage supply	Class 2
	UL approval no.	E032
	File number UL	E174191

### Mechanical data

Weight [g]	73
Housing	rectangular
Dimensions [mm]	28 x 16 x 51
Number of channels	1
Materials	housing: PPO modified
Lens material	front pane:glass

### Displays / operating elements

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

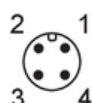
Items supplied	Angle bracket: 1, E20211
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### Remarks

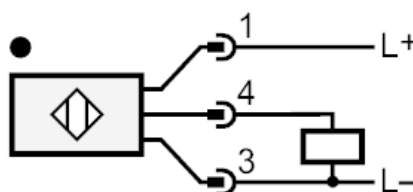
Pack quantity	1 pcs.
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### Electrical connection

Connector: 1 x M12; coding: A; Contacts: 4



### Connection





## Through-beam sensor receiver

OUE-DPKG/US-100-DPS

### Diagrams and graphs

excess gain graph

