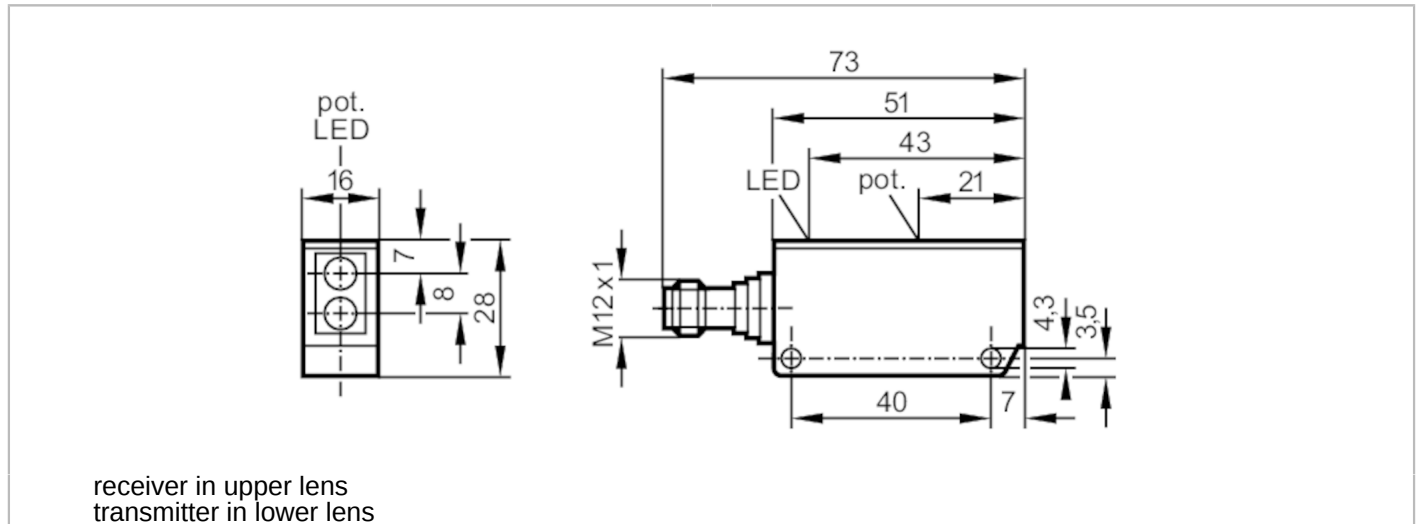


OU5070



Retro-reflective sensor

OUR-HPKG/US-100-DPO



Application	
Function principle	Retro-reflective sensor
Electrical data	
Operating voltage [V]	10...55 DC
Current consumption [mA]	< 35
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
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

OU5070



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Tests / approvals

EMC	EN 60947-5-2	
	EN 55011	class B
MTTF [years]		685

Mechanical data

Weight [g]	74.4
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
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Accessories

Accessories (supplied)	Angle bracket: 1 x, E20211
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Remarks

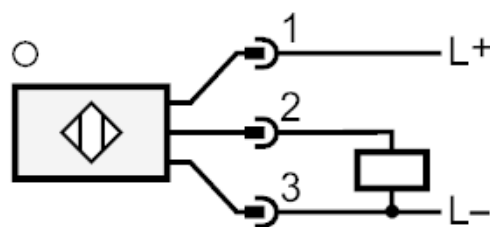
Pack quantity	1 pcs.
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Electrical connection

Connector: 1 x M12



Connection





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Diagrams and graphs

excess gain graph

