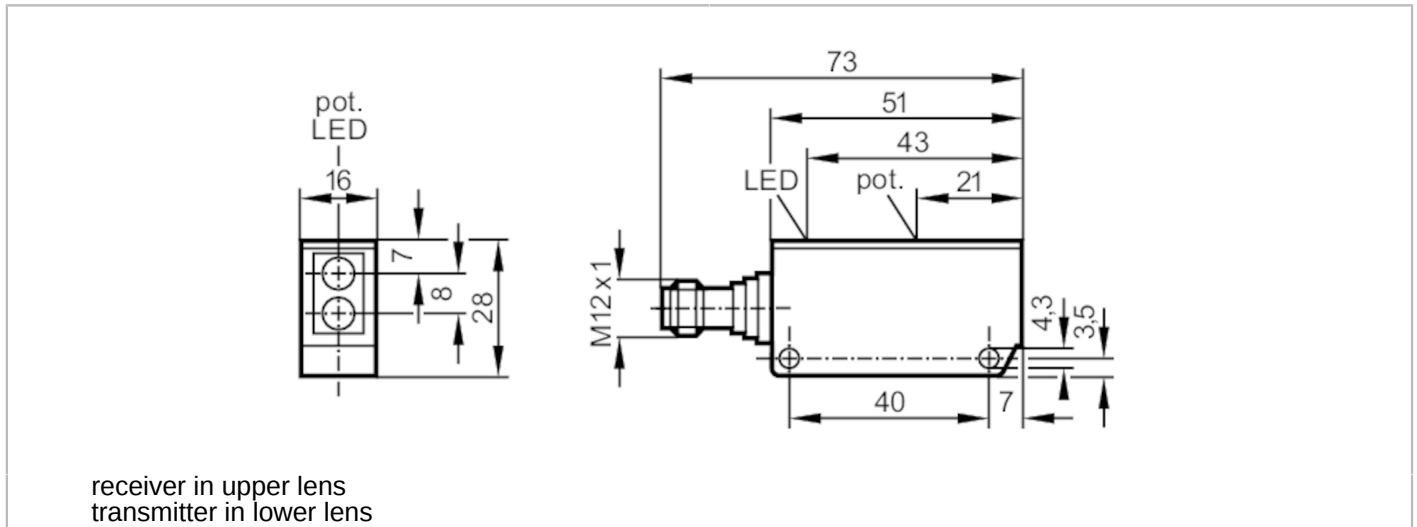


OU5070



Retro-reflective sensor

OUR-HPKG/US-100-DPO



Product characteristics	
Type of light	infrared light
Housing	rectangular
Dimensions [mm]	28 x 16 x 51
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

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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

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

Mechanical data	
Weight [g]	75
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

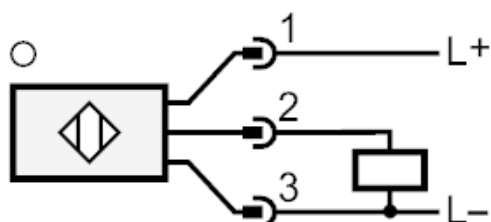
Connector: 1 x M12



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Connection



Diagrams and graphs

excess gain graph

