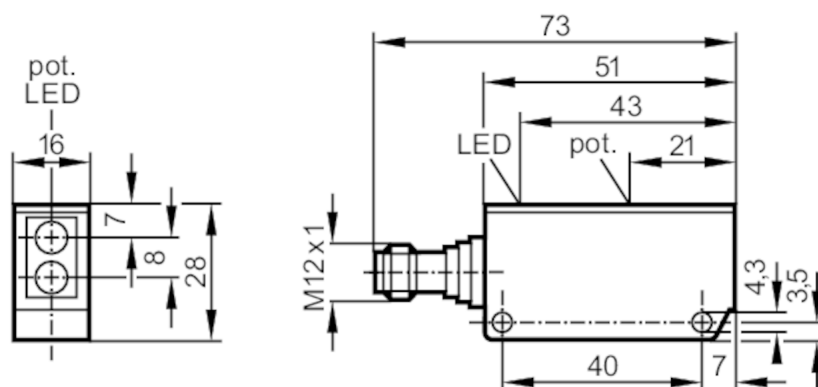




Diffuse reflection sensor

OUT-HPKG/US-100-DPS



receiver in upper lens
transmitter in lower lens



Product characteristics

Type of light	infrared light
Housing	rectangular

Application

Function principle	Diffuse reflection sensor
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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
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Diffuse reflection sensor

OUT-HPKG/US-100-DPS

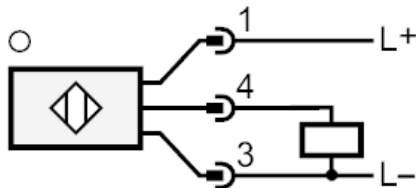
Protection		IP 67	
Tests / approvals			
EMC		EN 60947-5-2	
MTTF [years]		685	
Mechanical data			
Weight [g]		73.4	
Housing		rectangular	
Dimensions [mm]		28 x 16 x 51	
Materials		PPO modified	
Lens material		glass	
Lens alignment		side lens	
Displays / operating elements			
Display		switching status	1 x LED, yellow
Accessories			
Items supplied		Angle bracket: 1, E20211	
Remarks			
Pack quantity		1 pcs.	

Electrical connection

Connector: 1 x M12; coding: A



Connection





Diffuse reflection sensor

OUT-HPKG/US-100-DPS

Diagrams and graphs

excess gain graph

