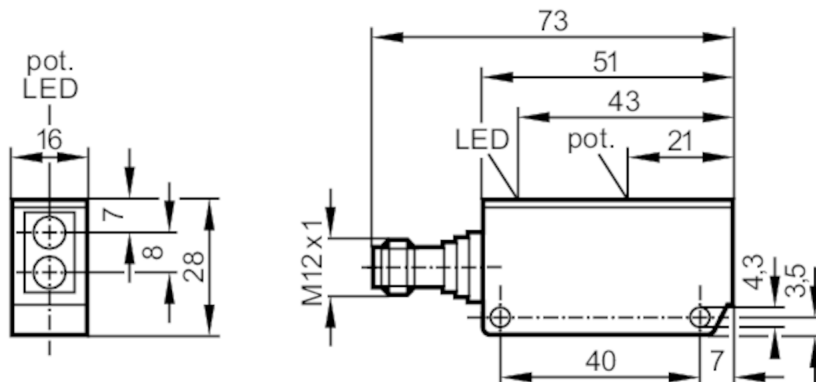




Diffuse reflection sensor

OUT-HPKG/US-100-DPS



receiver in upper lens
transmitter in lower lens



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
Protection	IP 67

OU5034

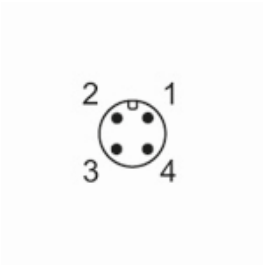


Diffuse reflection sensor

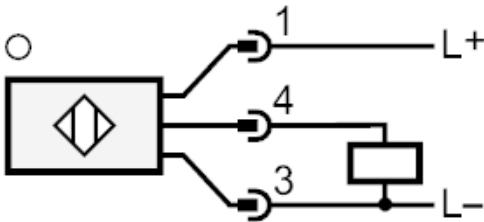
OUT-HPKG/US-100-DPS

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		
Accessories (supplied)	Angle bracket: 1 x, E20211	
Remarks		
Pack quantity	1 pcs.	
Electrical connection		

Connector: 1 x M12



Connection





Diffuse reflection sensor

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Diagrams and graphs

excess gain graph

