OU5015

Diffuse reflection sensor

OUT-DNKG

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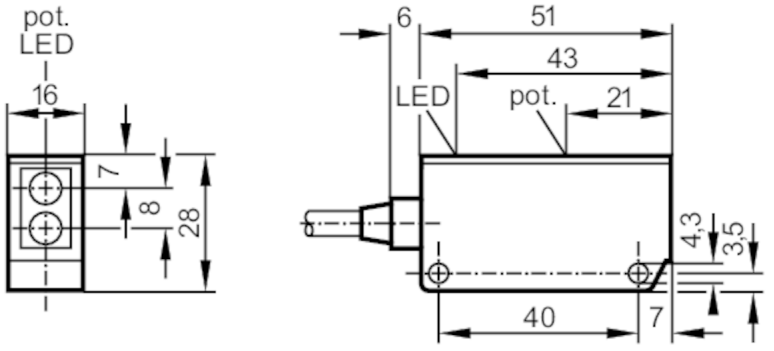

receiver in upper lens
transmitter in lower lens

Product characteristics		
Type of light		infrared light
Housing		rectangular
Application		
Function principle		Diffuse reflection sensor
Electrical data		
Operating voltage	[V]	10...55 DC
Current consumption	[mA]	35; ((24 V))
Protection class		II
Reverse polarity protection		yes
Type of light		infrared light
Wave length	[nm]	880
Outputs		
Electrical design		NPN
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]	160
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes
Detection zone		
Range	[mm]	< 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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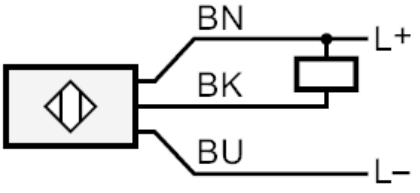
Protection	IP 67	
Tests / approvals		
EMC	EN 60947-5-2	
Mechanical data		
Housing	rectangular	
Dimensions [mm]	28 x 16 x 51	
Materials	PPO modified	
Lens material	glass	
Displays / operating elements		
Display	switching status	1 x LED, yellow
Accessories		
Items supplied	Angle bracket	
Remarks		
Pack quantity	1 pcs.	
Electrical connection		

Cable: 2 m, PVC; 3 x 0.34 mm²

Connection



	Core colours :
BN =	brown
BU =	blue
BK =	black