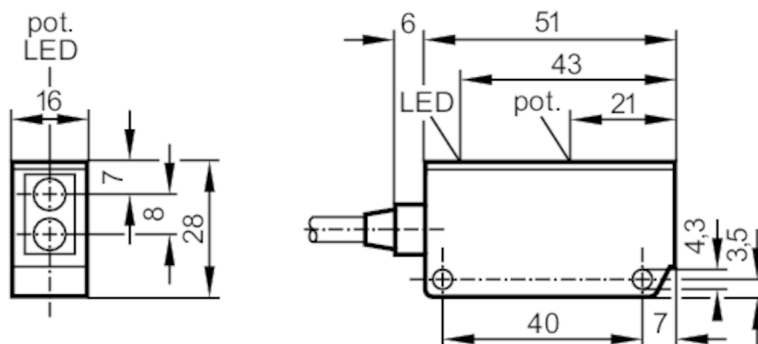




Diffuse reflection sensor

OUT-DPKG



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		II
Reverse polarity protection		yes
Type of light		Infrared light
Wave length	[nm]	880

Outputs

Electrical design		PNP
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		yes (non-latching)
Overload protection		yes

Monitoring range

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

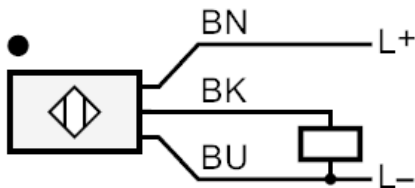
Ambient temperature	[°C]	-25...80
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Diffuse reflection sensor

OUT-DPKG

Protection		IP 67	
Tests / approvals			
EMC		EN 60947-5-2	
		EN 55011	class B
MTTF	[years]	685	
Mechanical data			
Weight	[g]	152	
Housing		rectangular	
Dimensions	[mm]	28 x 16 x 51	
Material		PPO modified	
Lens material		glass	
Lens alignment		Side sensing	
Displays / operating elements			
Display	Switching status		1 x LED, yellow
Accessories			
Items supplied	Angle bracket: 1, E20211		
Remarks			
Pack quantity	1 pcs.		
Electrical connection			
Cable: 2 m, PVC; 3 x 0.34 mm²			
Connection			



BN	brown
BU	blue
BK	black



Diffuse reflection sensor

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Diagrams and graphs

excess gain graph

