



Diffuse reflection sensor

OUT-HPKG



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		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		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

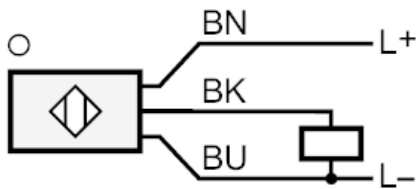
Ambient temperature	[°C]	-25...80
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Protection	IP 67	
Tests / approvals		
EMC	EN 60947-5-2	
MTTF [years]	685	
Mechanical data		
Weight [g]	150	
Housing	rectangular	
Dimensions [mm]	28 x 16 x 51	
Material	PPO modified	
Lens material	glass	
Lens alignment	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



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Diagrams and graphs

excess gain graph

