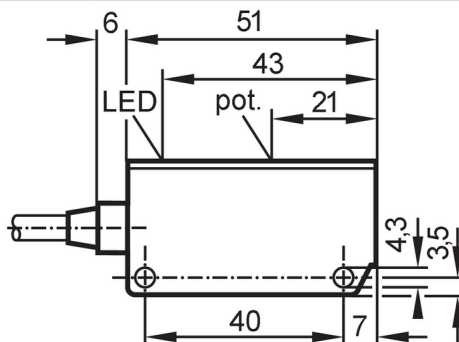
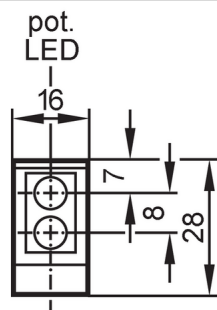




Diffuse reflection sensor

OUT-HPKG/6M



Receiver in upper lens
transmitter in lower lens



Product characteristics

Type of light	Infrared light
Housing	rectangular

Application

Function principle	Diffuse reflection sensor
Application	Industrial applications

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

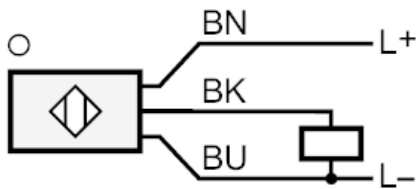
Ambient temperature [°C]	-25...80
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Diffuse reflection sensor

OUT-HPKG/6M

Protection	IP 67	
Tests / approvals		
EMC	EN 60947-5-2	
MTTF	[years]	685
Mechanical data		
Weight	[g]	283
Housing		rectangular
Dimensions	[mm]	28 x 16 x 51
Number of channels		1
Material		housing: PPO modified
Lens material		front lens:glass
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: 6 m, PVC; 3 x 0.34 mm²		
Connection		



BN	brown
BU	blue
BK	black



Diffuse reflection sensor

OUT-HPKG/6M

Diagrams and graphs

excess gain graph

