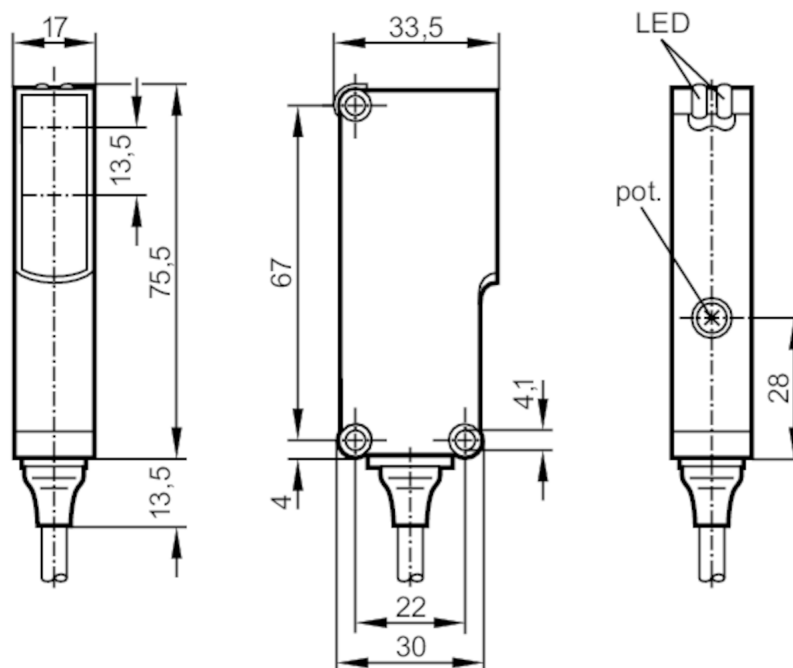


Diffuse reflection sensor with background suppression

OTH-CNKG

Article no longer available - archive entry



receiver in lower lens
transmitter in upper lens

Product characteristics

Type of light	infrared light
Housing	rectangular

Application

Special feature	Background suppression
Function principle	Diffuse reflection sensor

Electrical data

Operating voltage [V]	10...30 DC
Current consumption [mA]	< 60
Protection class	II
Reverse polarity protection	yes
Type of light	infrared light
Wave length [nm]	950

Outputs

Electrical design	NPN
Output function	complementary
Max. voltage drop switching output DC [V]	1.5
Permanent current rating of switching output DC [mA]	100
Switching frequency DC [Hz]	700
Short-circuit protection	yes



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Type of short-circuit protection	pulsed	
Overload protection	yes	
Detection zone		
Range	[mm]	50...700; (white paper 200 x 200 mm 90% remission)
Range adjustable	yes	
Max. light spot diameter	[mm]	35
Light spot dimensions refer to	at maximum range	
Background suppression available	yes	
Operating conditions		
Ambient temperature	[°C]	-40...60
Protection	IP 67	
Tests / approvals		
EMC	EN 60947-5-2	
Mechanical data		
Housing	rectangular	
Dimensions	[mm]	75.5 x 17 x 33.5
Materials	ABS	
Lens material	PMMA	
Displays / operating elements		
Display	switching status	1 x LED, yellow
	operation	1 x LED, green
Аксессуары		
Items supplied	Angle bracket: 1, E20441	
	screwdrivers	
Remarks		
Pack quantity	1 pcs.	



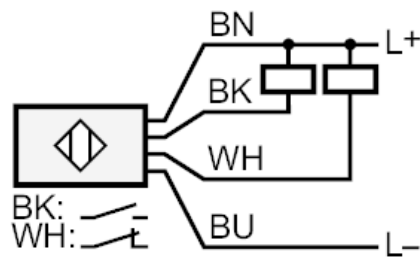
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Electrical connection

Cable: 2 m, PVC; 4 x 0.34 mm²

Connection



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