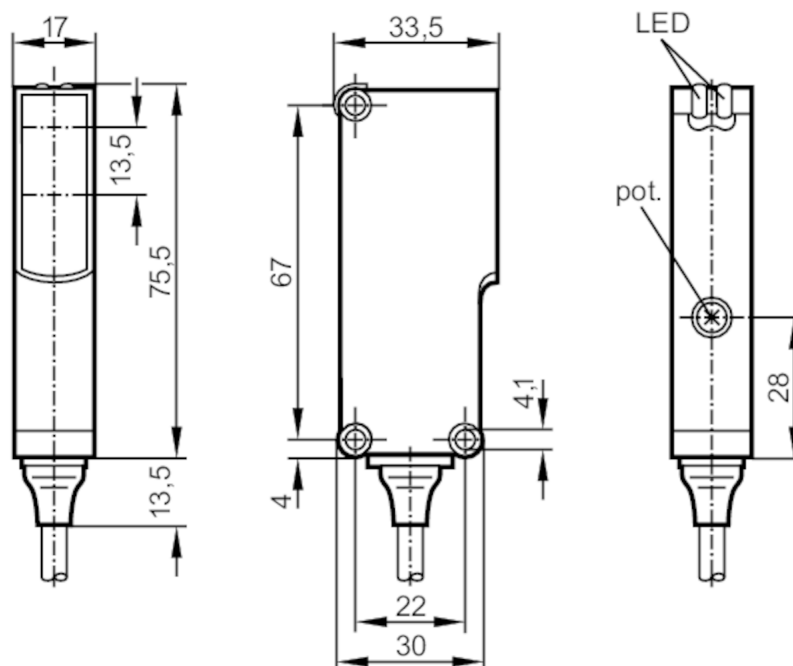


Diffuse reflection sensor with background suppression

OTH-CPKG



receiver in lower lens
transmitter in upper lens



Application

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	PNP
Output function	complementary
Max. voltage drop switching output DC [V]	2.9
Permanent current rating of switching output DC [mA]	100
Switching frequency DC [Hz]	700
Short-circuit protection	yes
Type of short-circuit protection	pulsed
Overload protection	yes



Diffuse reflection sensor with background suppression

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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		
Weight	[g]	224.6
Housing		rectangular
Dimensions	[mm]	75.5 x 17 x 33.5
Materials		ABS
Lens material		PMMA
Lens alignment		side lens
Displays / operating elements		
Display	switching status	1 x LED, yellow
	operation	1 x LED, green
Accessories		
Accessories (supplied)		Angle bracket: 1 x screwdrivers
Remarks		
Pack quantity		1 pcs.

OT5211



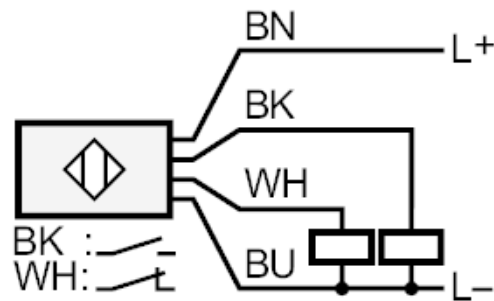
Diffuse reflection sensor with background suppression

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Electrical connection

Cable: 2 m, PVC; 4 x 0.34 mm²

Connection



Core colours :

BK =	black
BN =	brown
BU =	blue
WH =	white