

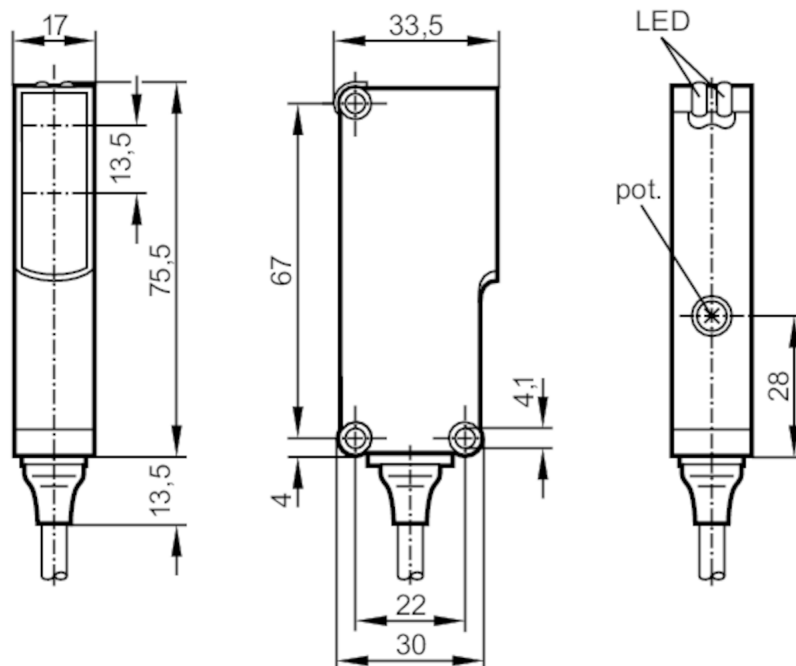
Diffuse reflection sensor with background suppression

OTH-CPKG

Article no longer available - archive entry

Alternative articles: O5H503 + E21085

When selecting an alternative article and accessories please note that technical data may differ!



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	PNP
Output function	complementary



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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	
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]	220	
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	
Аксессуары			
Items supplied	Angle bracket: 1		
	screwdrivers		
Remarks			
Pack quantity	1 pcs.		

OT5211



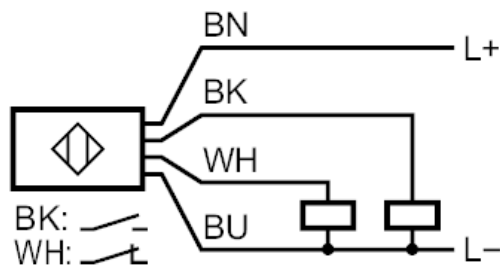
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Electrical connection

Cable: 2 m, PVC; 4 x 0.34 mm²

Connection



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