

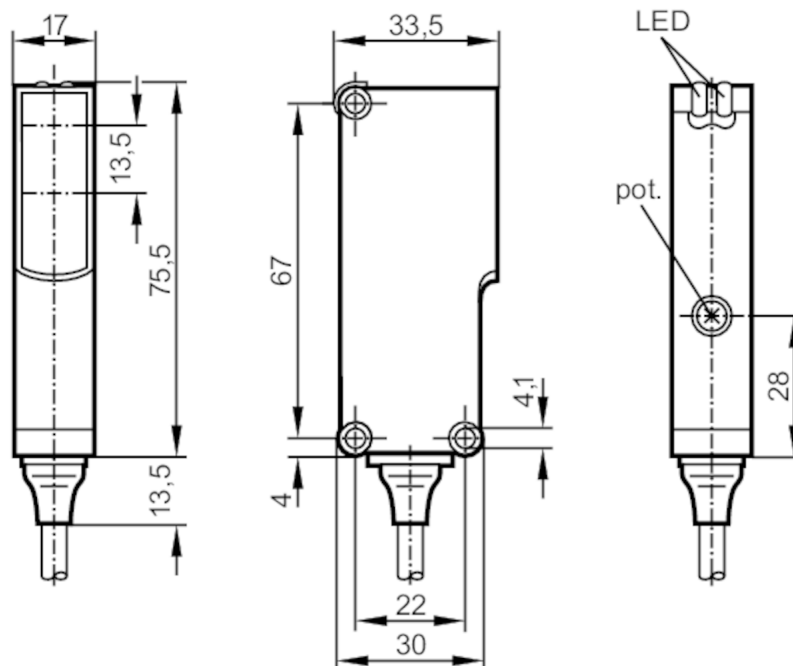
Diffuse reflection sensor with background suppression

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
Accessories		
Items supplied	Angle bracket: 1	
	screwdrivers	
Remarks		
Pack quantity	1 pcs.	

OT5211



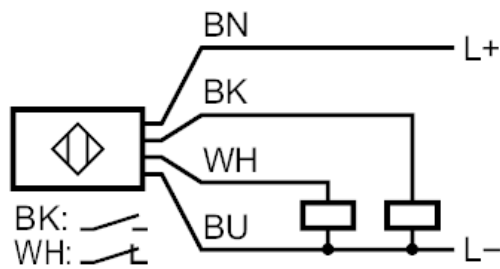
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Electrical connection

Cable: 2 m, PVC; 4 x 0.34 mm²

Connection



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