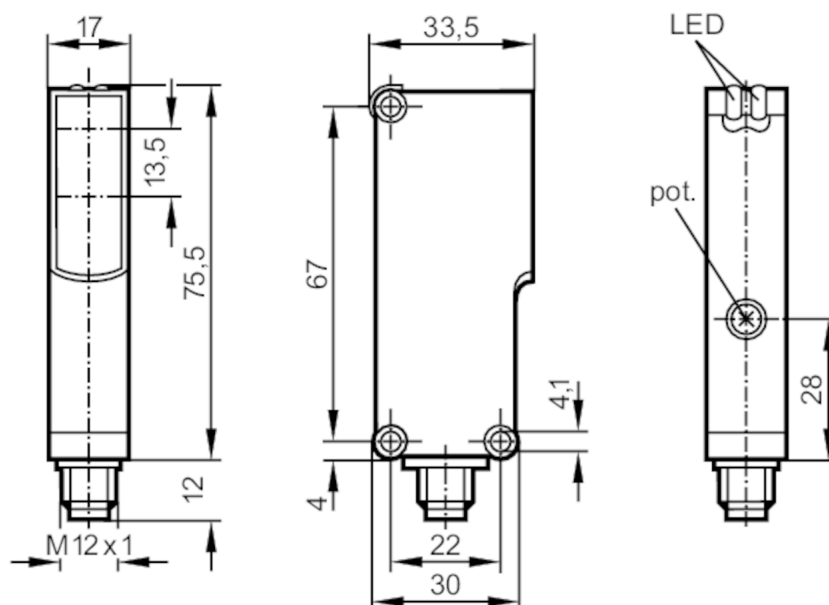




Diffuse reflection sensors with background suppression

OTH-CNKG/US

Article no longer available - archive entry



Receiver in lower lens
Transmitter in upper lens

Product characteristics

Type of light	Infrared light
Housing	rectangular

Application

System	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

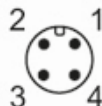
Outputs

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
Type of short-circuit protection		yes (non-latching)
Overload protection		yes



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Monitoring range		
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
Material		ABS
Lens material		PMMA
Displays / operating elements		
Display	Switching status	1 x LED, yellow
	Power	1 x LED, green
Accessories		
Items supplied	Angle bracket: 1, E20461 screwdrivers	
Remarks		
Pack quantity	1 pcs.	
Electrical connection		
Connector: 1 x M12; coding: A		
		



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Connection

