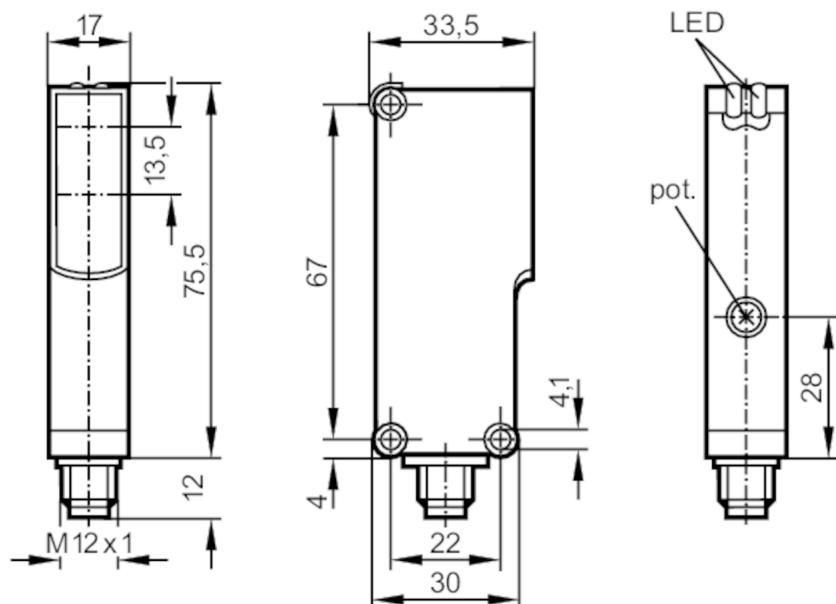# OT5213

Diffuse reflection sensors with background suppression

OTH-CPKG/US

Article no longer available - archive entry

Alternative articles: O5H500
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	
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		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

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

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