OC5216

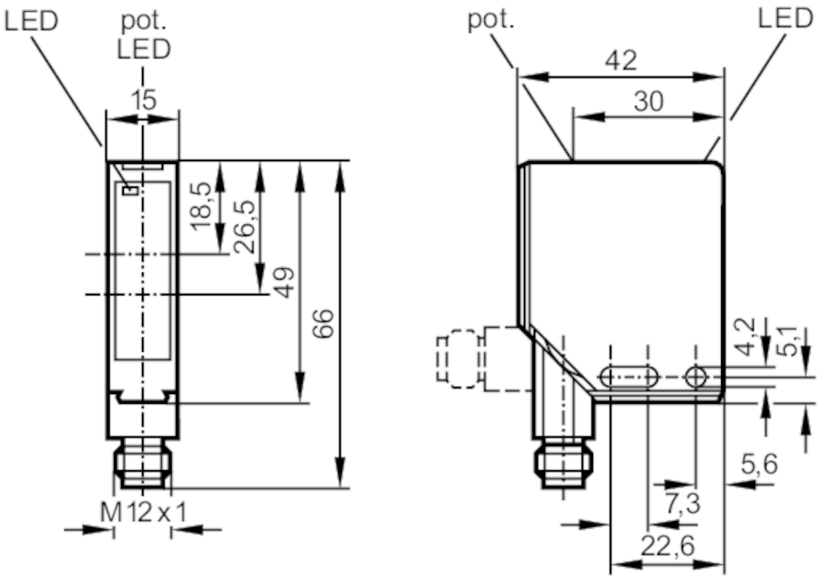
Diffuse reflection sensors with background suppression

OCH-CPKG/US-100

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 upper lens
transmitter in lower 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]	< 40
Protection class		II
Reverse polarity protection		yes
Type of light		Infrared light
Wave length	[nm]	880
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]	1500
Short-circuit protection		yes

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Type of short-circuit protection		yes (non-latching)	
Overload protection		yes	
Monitoring range			
Range	[mm]	20...250	
Range adjustable		yes	
Max. light spot diameter	[mm]	12.5	
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]	49 x 15 x 42	
Material		diecast zinc	
Lens material		PMMA	
Displays / operating elements			
Display		Switching status	1 x LED, yellow
		Function	1 x LED, yellow flashing
Accessories			
Items supplied		screwdrivers	
Remarks			
Pack quantity		1 pcs.	
Electrical connection			

Connector: 1 x M12; coding: A

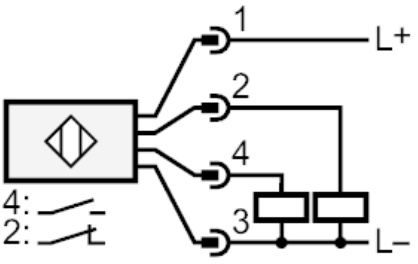


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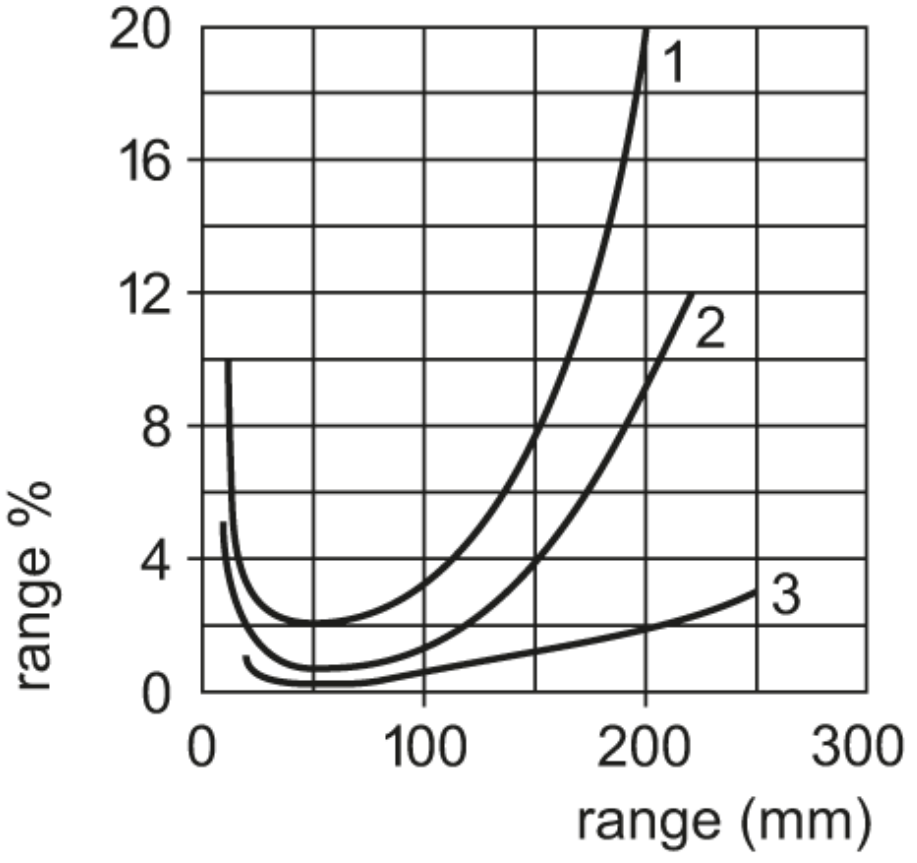
OCH-CPKG/US-100

Connection



Diagrams and graphs

Background suppression chart



x: distance sensor/object [mm]

y: min. distance object/background [mm]

1 = object black (6 % remission) , Background white (90 % remission)

2 = object grey (18 % remission) , Background white (90 % remission)

3 = object white (90 % remission) , Background white (90 % remission)

Note : range % = setting in % of the range