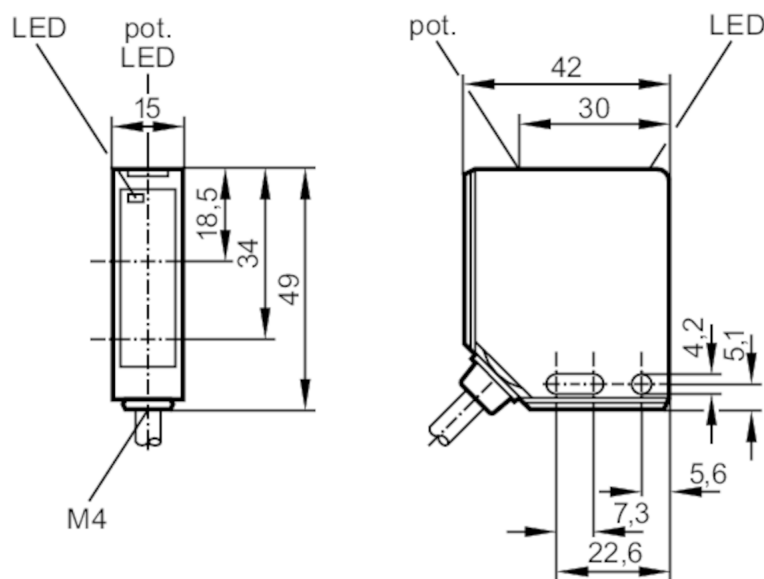


Diffuse reflection sensor

OCV-CPKG

Article no longer available - archive entry



receiver in upper lens
transmitter in lower lens

Product characteristics

Type of light	red light
Housing	rectangular

Application

Function principle	Diffuse reflection sensor
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Electrical data

Operating voltage	[V]	10...30 DC
Current consumption	[mA]	< 30
Protection class		II
Reverse polarity protection		yes
Type of light		red light
Wave length	[nm]	660

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
Type of short-circuit protection		pulsed
Overload protection		yes

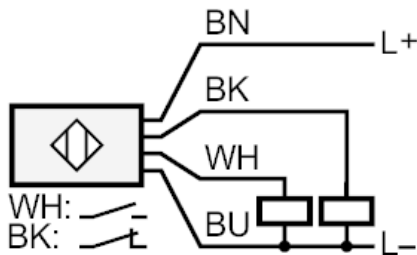
OC5218



Diffuse reflection sensor

OCV-CPKG

Detection zone		
Range	[mm]	35...100
Range adjustable		yes
Max. light spot diameter	[mm]	5
Light spot dimensions refer to		at maximum range
Operating conditions		
Ambient temperature	[°C]	-25...55
Protection		IP 67
Tests / approvals		
EMC	EN 60947-5-2	
Mechanical data		
Housing		rectangular
Dimensions	[mm]	49 x 15 x 42
Materials		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		
Cable: 2 m, PVC; 4 x 0.5 mm²		
Connection		



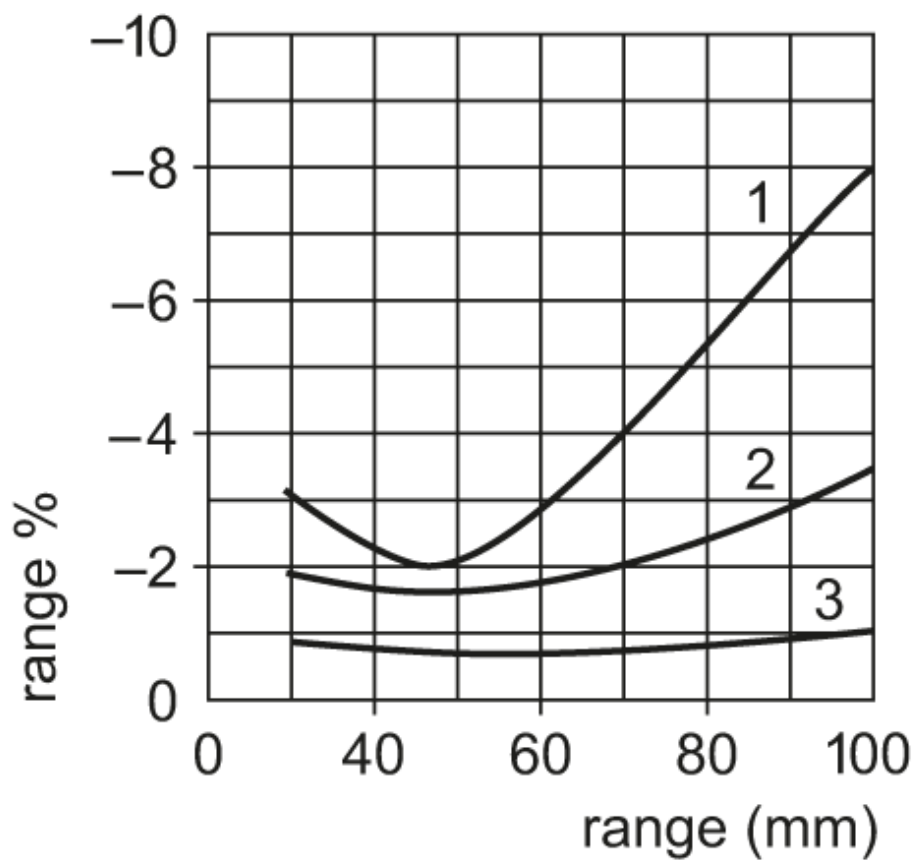
	Core colours :
BN =	brown
BU =	blue
BK =	black
WH =	white

Diffuse reflection sensor

OCV-CPKG

Diagrams and graphs

accuracy graph



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