

# OC5220



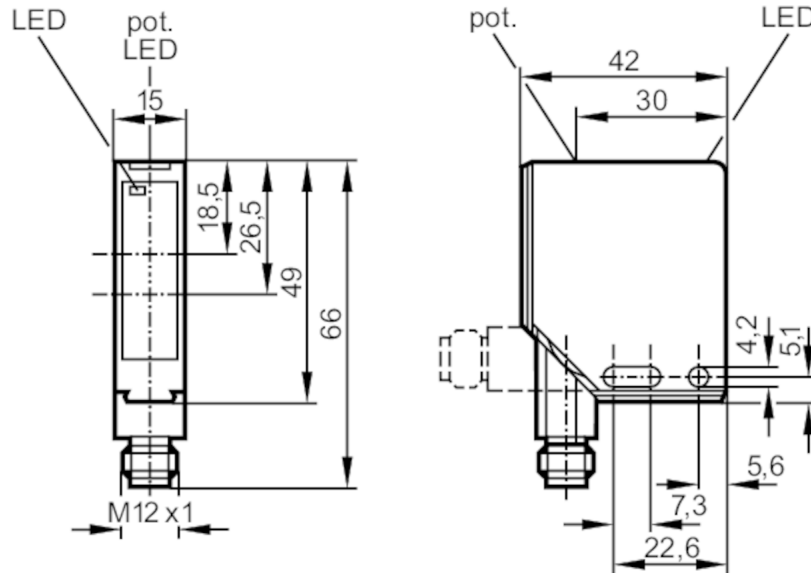
## Contrast sensor

OCK-FCKG/US-100

phase-out article

Alternative articles: O5K500

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	green 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		green light
Wave length	[nm]	565

### Outputs

Electrical design		PNP/NPN
Output function		light-on/dark-on mode; (parameterisable)
Max. voltage drop switching output DC	[V]	2.9
Permanent current rating of switching output DC	[mA]	100
Switching frequency DC	[Hz]	10000
Short-circuit protection		yes

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OCK-FCKG/US-100

Type of short-circuit protection	pulsed
Overload protection	yes

Detection zone	
Range [mm]	< 13.5
Max. light spot diameter [mm]	2
Light spot dimensions refer to	at maximum range

Operating conditions	
Ambient temperature [°C]	-25...60
Protection	IP 67

Tests / approvals	
EMC	EN 60947-5-2

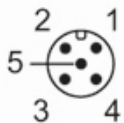
Mechanical data	
Housing	rectangular
Dimensions [mm]	49 x 15 x 42
Materials	diecast zinc
Lens material	PMMA

Accessories	
Items supplied	screwdrivers

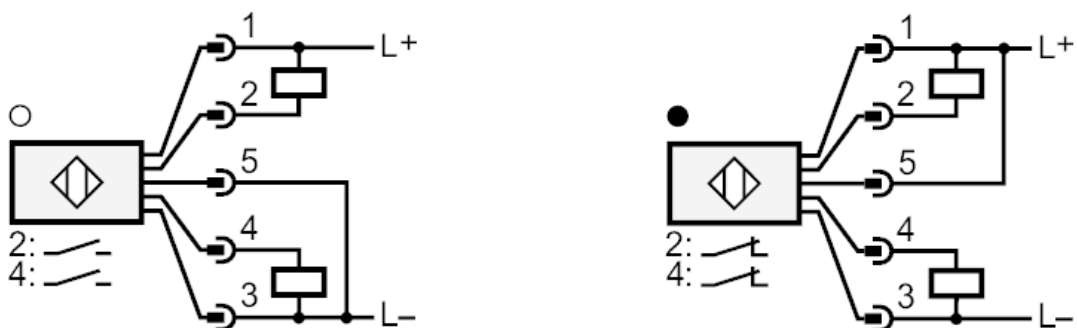
Remarks	
Pack quantity	1 pcs.

## Electrical connection

Connector: 1 x M12; coding: A



## Connection





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### Diagrams and graphs

excess gain graph

