

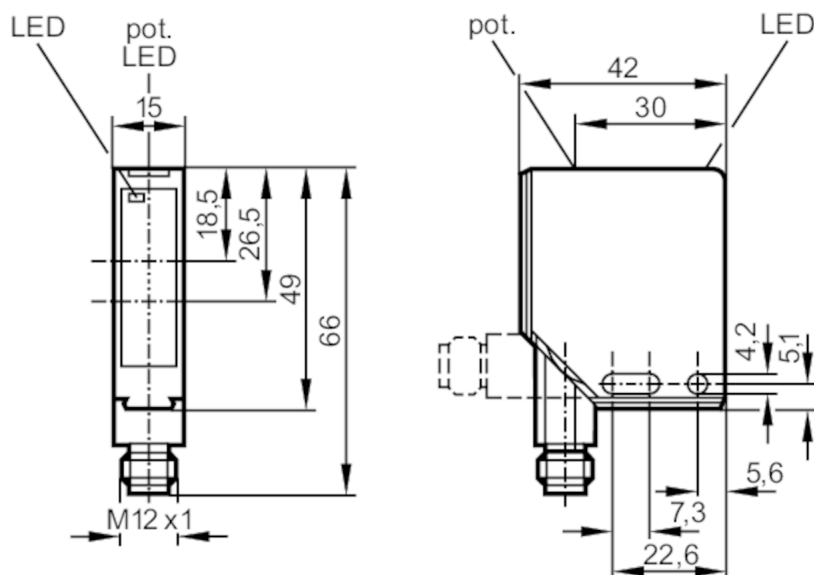
## Contrast sensor

OCK-FCKG/US-100

Article to be discontinued

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; (configurable)
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

OC5220

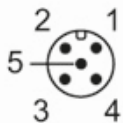


Contrast sensor

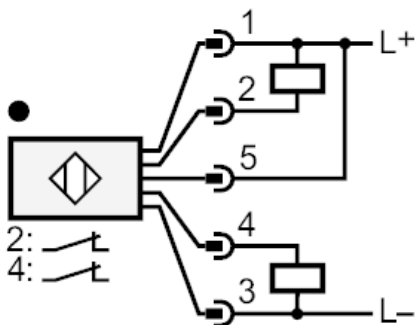
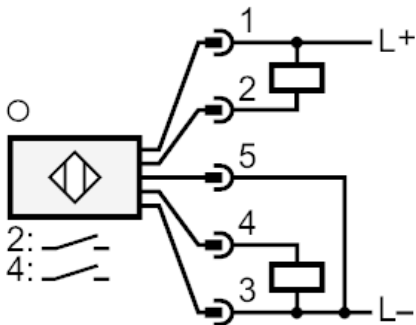
OCK-FCKG/US-100

Type of short-circuit protection	yes (non-latching)	
Overload protection	yes	
Monitoring range		
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
Material	diecast zinc	
Lens material	PMMA	
Accessories		
Items supplied	screwdrivers	
Remarks		
Pack quantity	1 pcs.	
Electrical connection		

Connector: 1 x M12; coding: A



Connection





### Diagrams and graphs

excess gain graph

