

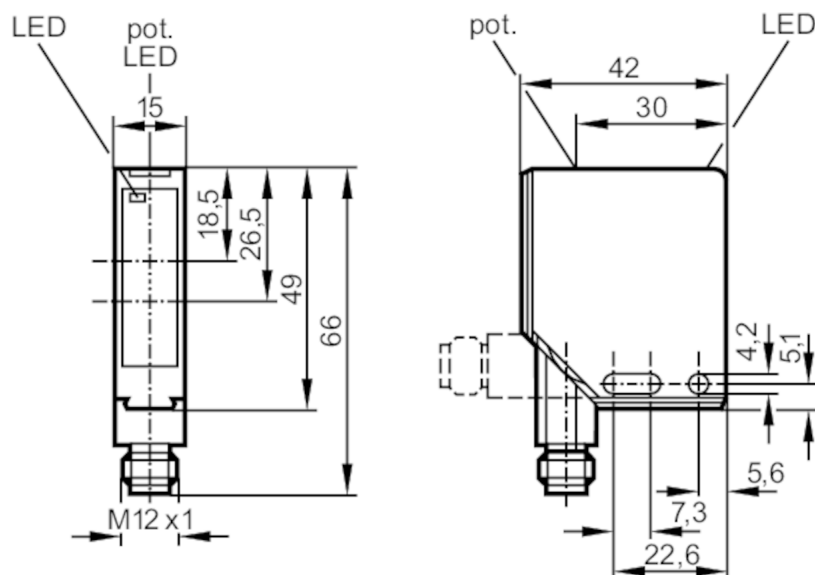
Contrast sensor

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



Contrast sensor

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

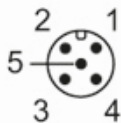
Mechanical data	
Housing	rectangular
Dimensions [mm]	49 x 15 x 42
Materials	diecast zinc
Lens material	PMMA

Accessories	
Items supplied	screwdrivers

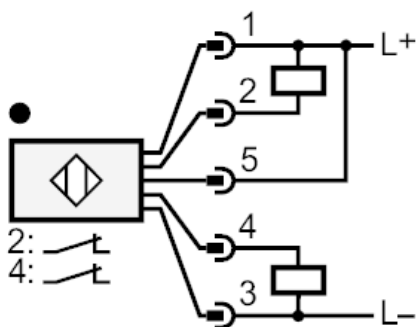
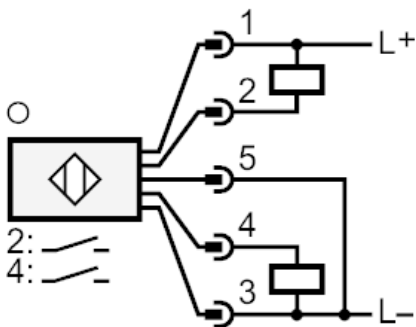
Remarks	
Pack quantity	1 pcs.

Electrical connection

Connector: 1 x M12; coding: A



Connection





Diagrams and graphs

excess gain graph

