

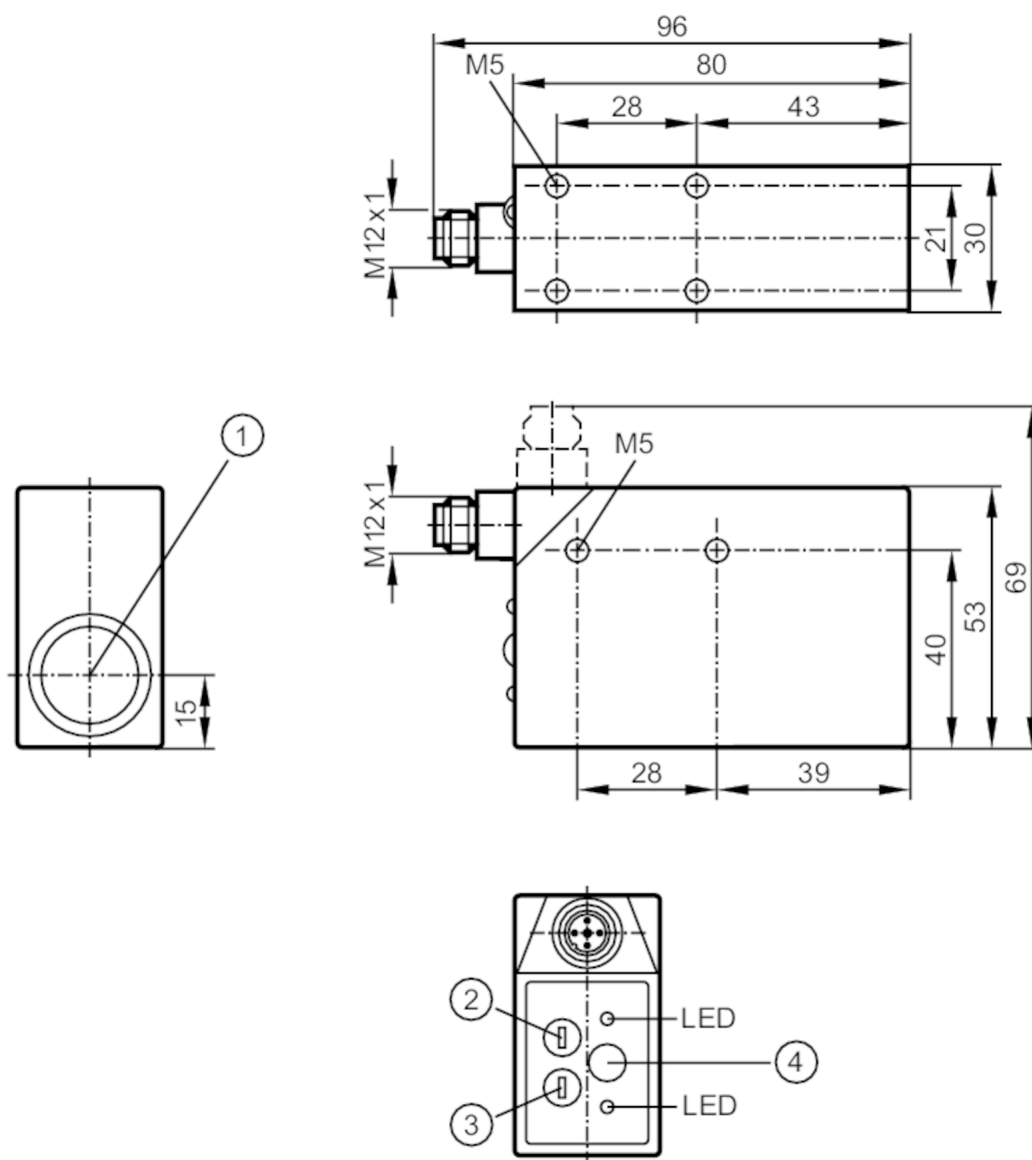
Colour sensor

ODC-MNKG/US-100

Article no longer available - archive entry

Alternative articles: O5C500

When selecting an alternative article and accessories please note that technical data may differ!



- 1 Objektiv
- 2 Wahlschalter Farbtoleranz
- 3 Programmwahlschalter
- 4 Teach-Taste

Product characteristics

Type of light	red light; green light; blue light
Housing	rectangular

Application

Application	colour recognition ; retro-reflective operation; diffuse reflection operation
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Electrical data

Operating voltage	[V] 12...30 DC; (Max. residual ripple: 5 Vss)
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Colour sensor

ODC-MNKG/US-100

Current consumption	[mA]	80	
Protection class		II	
Type of light		red light; green light; blue light	
Typ. lifetime	[h]	100000	
Reference temperature for service life	[°C]	25	
Outputs			
Electrical design		NPN	
Max. voltage drop switching output DC	[V]	2	
Permanent current rating of switching output DC	[mA]	100	
Switching frequency DC	[Hz]	1000	
Detection zone			
Range	[m]	0.1...0.25; (retro-reflective operation)	
Range	[mm]	< 12.5; (diffuse reflection operation ± 2)	
Max. light spot width	[mm]	2	
Max. light spot height	[mm]	4	
Light spot dimensions refer to		Range	
Response times			
Response time	[s]	0.7	
Operating conditions			
Ambient temperature	[°C]	-10...55	
Protection		IP 67	
Max. immunity to extraneous light	[klx]	20	
Tests / approvals			
EMC	EN 60947-5-2		
Mechanical data			
Housing		rectangular	
Dimensions	[mm]	53 x 30 x 80	
Materials		diecast zinc	
Lens material		glass	
Displays / operating elements			
Display	operation	1 x LED, green	
	function	1 x LED, yellow	
Remarks			
Pack quantity		1 pcs.	

OD5006



Colour sensor

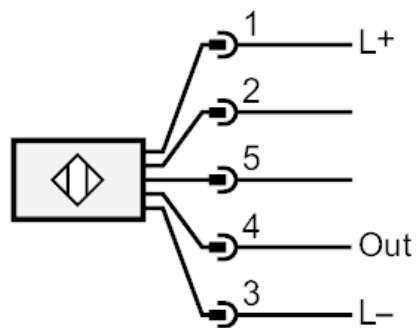
ODC-MNKG/US-100

Electrical connection

Connector: 1 x M12; coding: A



Connection



2 activation trigger AT
5 Eingang "External Teach"