



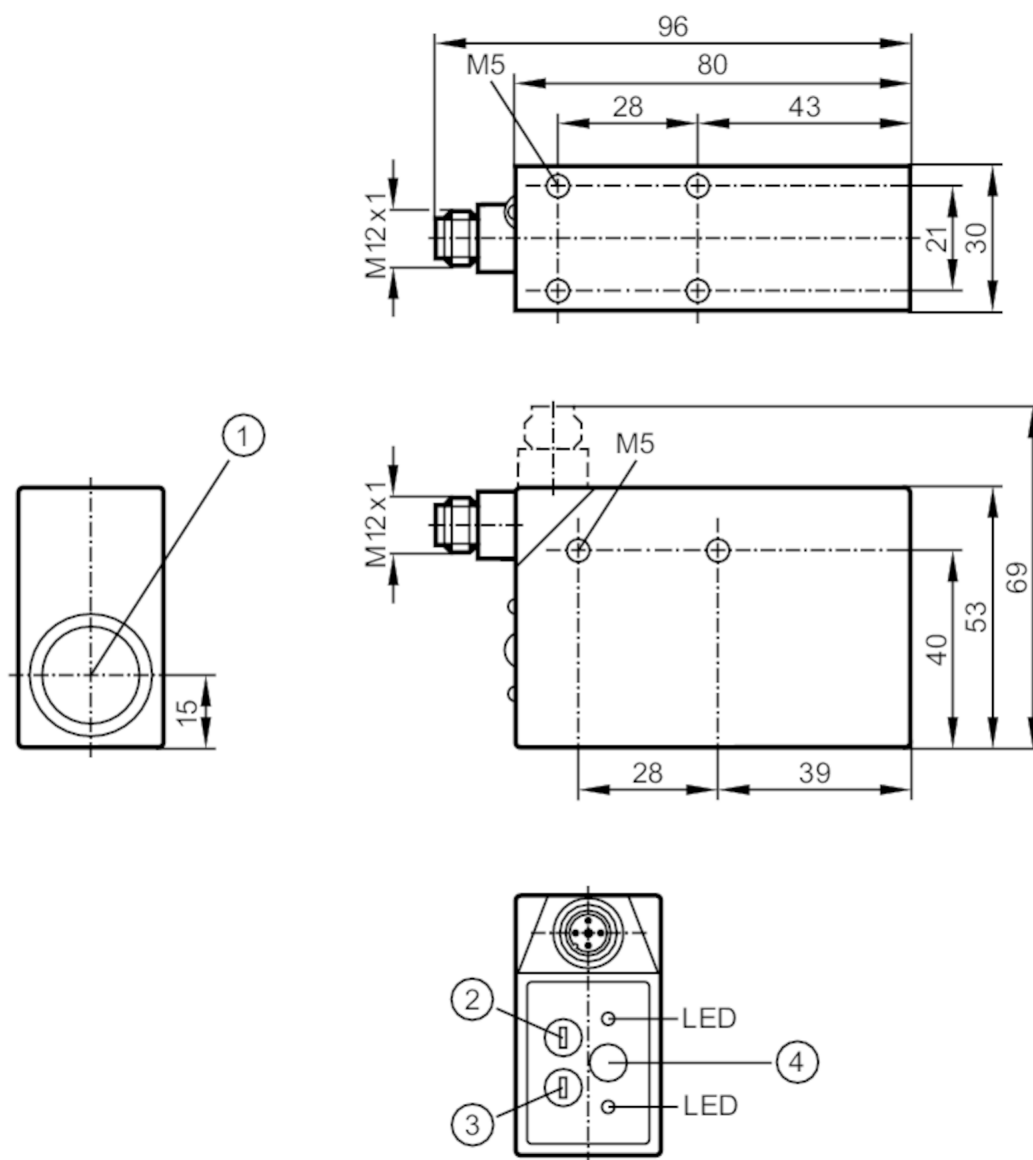
Color sensor

ODC-MPKG/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	color recognition ; retro-reflective operation; diffuse reflection operation
-------------	--

Electrical data

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

OD5005



Color sensor

ODC-MPKG/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		PNP
Max. voltage drop switching output DC	[V]	2
Permanent current rating of switching output DC	[mA]	100
Switching frequency DC	[Hz]	1000

Monitoring range

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

Reaction 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
Material		diecast zinc
Lens material		glass

Displays / operating elements

Display	Power	1 x LED, green
	Function	1 x LED, yellow

Remarks

Pack quantity		1 pcs.
---------------	--	--------

OD5005

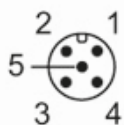
Color sensor

ODC-MPKG/US-100

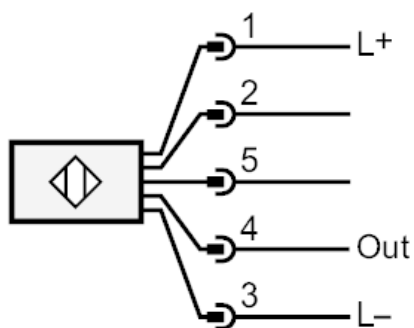


Electrical connection

Connector: 1 x M12; coding: A



Connection



2 activation trigger AT
5 Eingang "External Teach"