

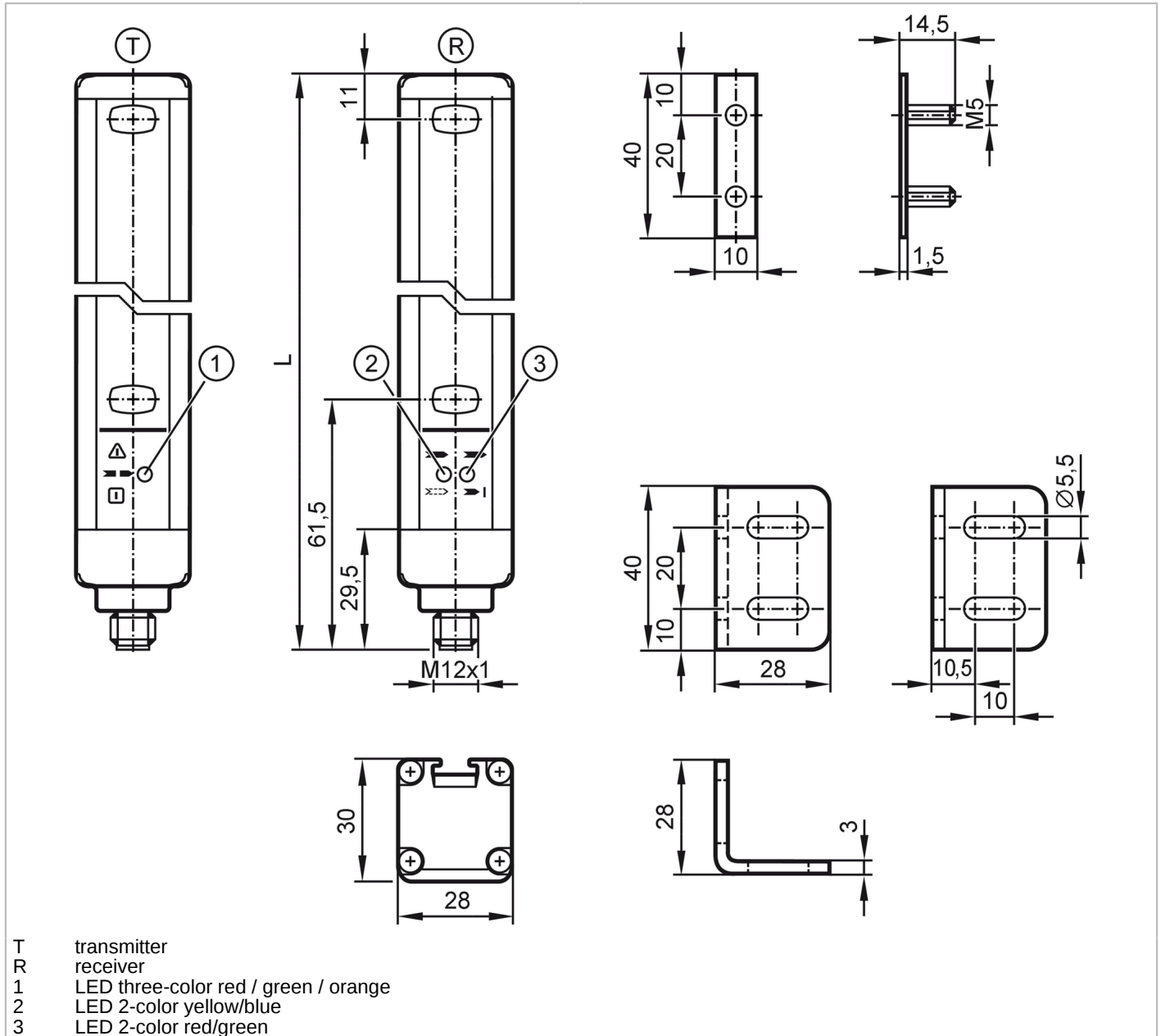
OY010S



Safety light curtain

OYA1510-14-4-06-P-1

For 8-wire cordsets the core colors are not standardized.
Please note the wiring of the sensor and the cordsets (see data sheet).



Product characteristics

Type of light Infrared light

Application

Protective function Access prevention finger protection

Electrical data

Operating voltage tolerance [%]	20
Operating voltage [V]	24 DC
Protection class	III

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Reverse polarity protection		yes
Power-on delay time	[s]	< 2
Type of light		Infrared light
Wave length	[nm]	950
Receiver		
Current consumption	[mA]	83
Transmitter		
Current consumption	[mA]	42
Outputs		
Electrical design		PNP
Number of OSSD outputs		2
Max. current load per OSSD output	[mA]	400; (24 V)
Short-circuit protection		yes
Monitoring range		
Protected area height	[mm]	1510
Resolution (detection capacity d)	[mm]	14
Protection area width (low light intensity)	[m]	0...3
Protection area width (high light intensity)	[m]	1...6
Reaction times		
Response time	[ms]	20
Operating conditions		
Applications		Class C to EN 60654-1 weatherproof application
Ambient temperature	[°C]	-10...55
Max. relative air humidity	[%]	95
Protection		IP 65; IP 67
Tests / approvals		
EMC	IEC 61496-1	
Shock resistance	IEC 61496-1	
Vibration resistance	IEC 61496-1	
Safety classification		
ESPE type (IEC 61496-1)		4
Complies with the requirements		ISO 13849-1: 2015 Category 4, PL e
		IEC 61508 SIL 3
		IEC 62061 SIL 3
Mission time TM	[h]	175200
PFH	[1/h]	3,2E-08
Mechanical data		
Weight	[g]	4925
Dimensions	[mm]	1563 x 28 x 30
Material		housing: aluminum; front lens: PC
Length L	[mm]	1563

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Displays / operating elements

Display	_____	LED, yellow
	_____	LED, green
	_____	LED, red
	_____	LED, blue
	_____	LED, orange

Accessories

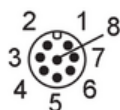
Items supplied	_____	Assembly angle: 6
	_____	Slot nuts: 6
	_____	Nuts

Remarks

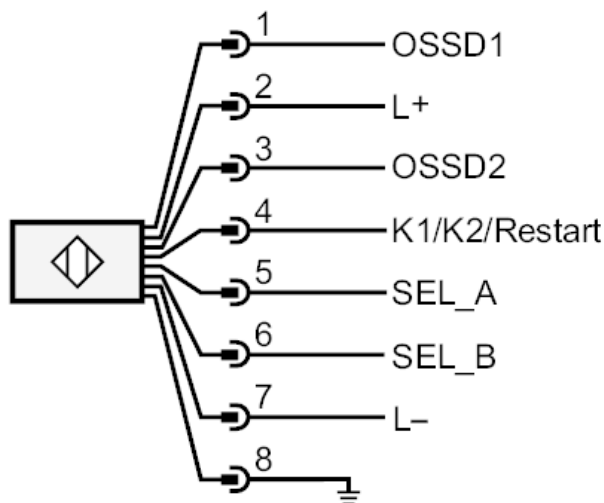
Pack quantity	1 pcs.
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Electrical connection - receiver

Connector: 1 x M12; coding: A; Contacts: 8; Maximum cable length: 100 m; for wire cross-section 0.34 mm²

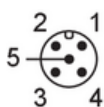


Connection



Electrical connection - transmitter

Connector: 1 x M12; coding: A; Contacts: 5



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Connection

