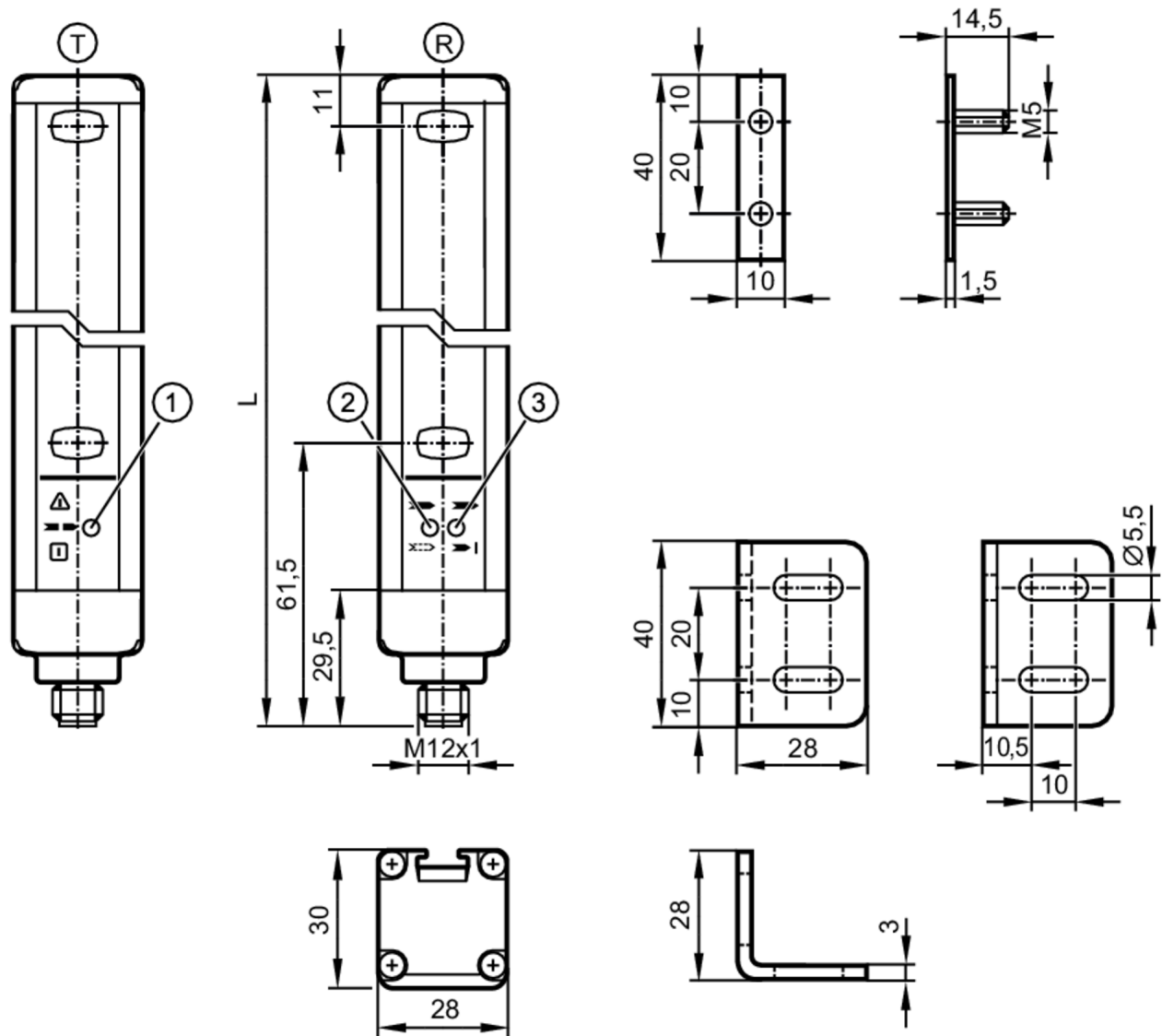


OY011S



Safety light curtain

OYA1810-14-4-06-P-1



- T transmitter
R receiver
1 LED three-color red / green / orange
2 LED 2-color yellow/blue
3 LED 2-color red/green



Product characteristics

Type of light	Infrared light
Electrical design	PNP
Protection	IP 65; IP 67

Application

Protective function	Access prevention finger protection
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Electrical data

Operating voltage tolerance	[%]	20
Operating voltage	[V]	24 DC



Safety light curtain

OYA1810-14-4-06-P-1

Protection class	III
Reverse polarity protection	yes
Power-on delay time [s]	< 2
Type of light	Infrared light
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]	1810
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]	3,7E-08
Mechanical data	
Weight [g]	5800
Dimensions [mm]	1863 x 28 x 30
Material	housing: aluminum; front lens: PC
Length L [mm]	1863



Safety light curtain

OYA1810-14-4-06-P-1

Displays / operating elements

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

Accessories

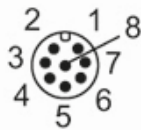
Items supplied		Assembly angle: 6
		Slot nuts: 6
		Nuts

Remarks

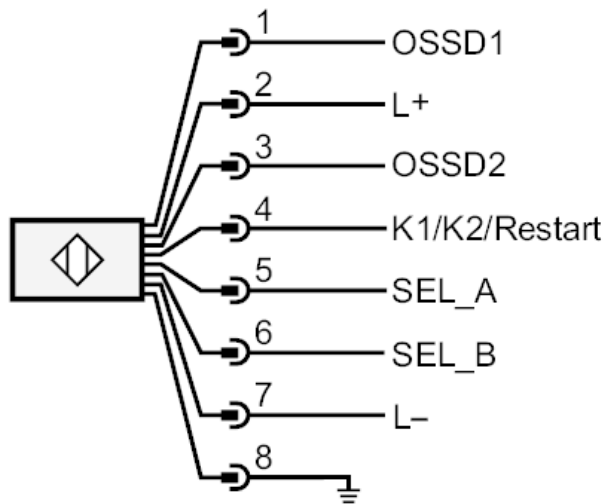
Pack quantity	1 pcs.
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Electrical connection - receiver

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



Connection



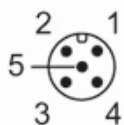


Safety light curtain

OYA1810-14-4-06-P-1

Electrical connection - transmitter

Connector: 1 x M12; coding: A



Connection

