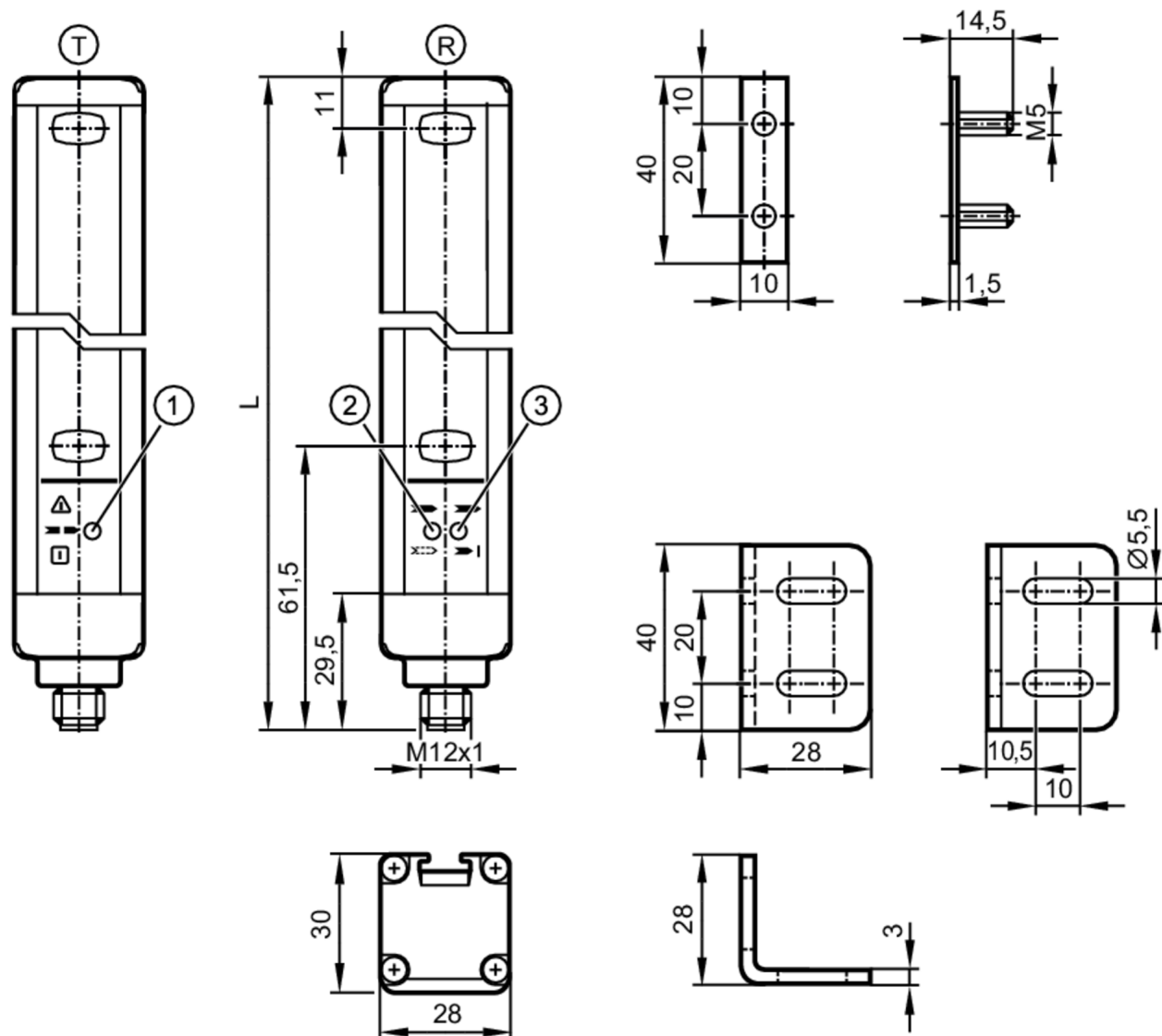


OY011S



Safety light curtain

OYA1810-14-4-06-P-1



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



Product characteristics

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

Application

Protective function	access prevention finger protection
---------------------	-------------------------------------

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
Detection zone	
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
Response 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
Materials	housing: aluminium; front pane: 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

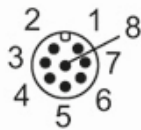
Items supplied		mounting bracket: 6
		slot nuts: 6
		Nuts

Remarks

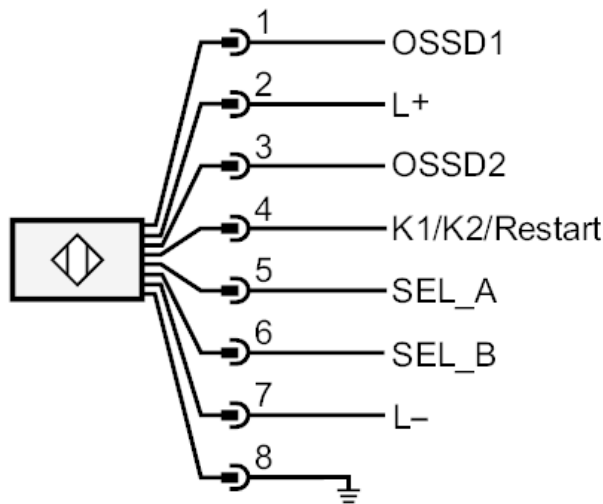
Pack quantity	1 pcs.
---------------	--------

Electrical connection - receiver

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



Connection

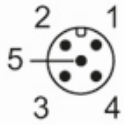


Safety light curtain

OYA1810-14-4-06-P-1

Electrical connection - transmitter

Connector: 1 x M12; coding: A



Connection

