

OYA0910-14-4-06-P-1

Technical drawing of a 12V/20Ah battery, showing front, side, and detail views with dimensions in mm.

Front View (Left): Shows the battery terminals. The top terminal is labeled 'T' and the bottom terminal is labeled '1'. The overall length is labeled 'L'.

Side View (Top): Shows the battery profile. The top terminal is labeled 'R'. The overall length is labeled 'L'. The distance from the top terminal to the center of the battery is 11 mm. The distance from the bottom terminal to the center of the battery is 61,5 mm. The distance from the bottom terminal to the center of the battery is 29,5 mm. The bottom terminal is labeled 'M12x1'.

Detail Views (Right):

- Top View (Top):** Shows the top of the battery. The overall width is 40 mm. The distance from the top edge to the center of the battery is 10 mm. The distance from the center of the battery to the bottom edge is 20 mm. The distance from the center of the battery to the side edge is 10 mm. The bottom edge is labeled '10'.
- Side View (Bottom):** Shows the side of the battery. The overall width is 14,5 mm. The distance from the top edge to the center of the battery is 1,5 mm. The distance from the center of the battery to the bottom edge is 1,5 mm. The bottom edge is labeled 'M5'.
- Top View (Bottom):** Shows the top of the battery. The overall width is 40 mm. The distance from the top edge to the center of the battery is 10 mm. The distance from the center of the battery to the bottom edge is 20 mm. The distance from the center of the battery to the side edge is 10 mm. The bottom edge is labeled '28'.
- Side View (Bottom):** Shows the side of the battery. The overall width is 10,5 mm. The distance from the top edge to the center of the battery is 10 mm. The distance from the center of the battery to the bottom edge is 10 mm. The bottom edge is labeled '10'.

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



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

Protective function	Access prevention finger protection
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Safety light curtain

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Electrical data		
Operating voltage tolerance	[%]	20
Operating voltage	[V]	24 DC
Protection class		III
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]	910
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]	13
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]	2,3E-08

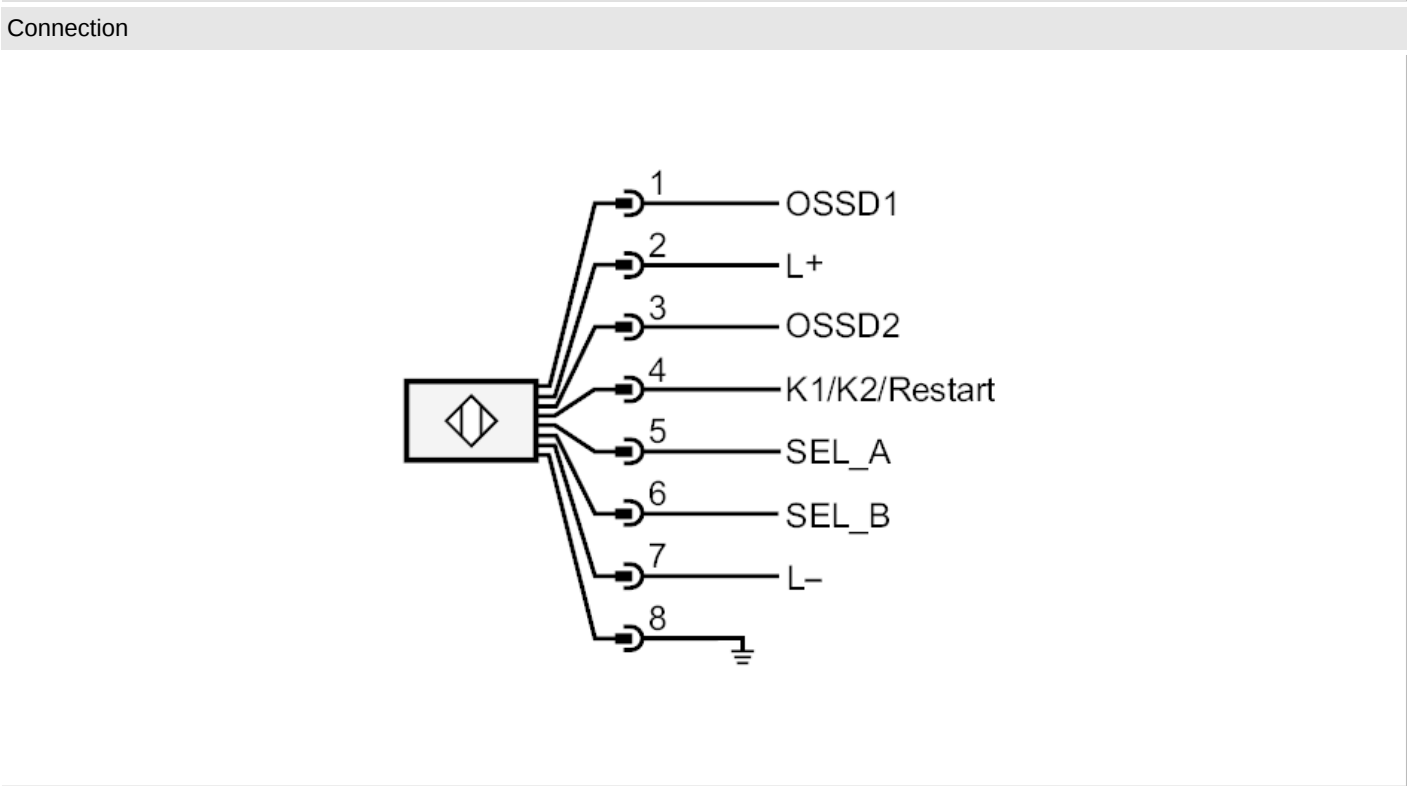


Safety light curtain

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Mechanical data		
Weight	[g]	3400
Dimensions	[mm]	963 x 28 x 30
Material		housing: aluminum; front lens: PC
Length L	[mm]	963
Displays / operating elements		
Display		LED, yellow
		LED, green
		LED, red
		LED, blue
		LED, orange
Accessories		
Items supplied		Assembly angle: 4
		Slot nuts: 4
		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





Safety light curtain

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Electrical connection - transmitter

Connector: 1 x M12; coding: A



Connection

