

OYA1210-30-4-12-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 (T) and a warning symbol (1). The overall length is L.

Side View (Middle): Shows the battery terminals (R) and the overall length L. The distance from the bottom terminal to the top terminal is 61,5 mm. The distance from the bottom terminal to the center of the battery body is 29,5 mm. The bottom terminal is labeled M12x1. The distance from the top terminal to the center of the battery body is 11 mm. The battery body is divided into three sections (2, 3, 4).

Top View (Right): Shows the battery terminals (T) and the overall width of 10 mm. The distance from the top terminal to the center of the battery body is 40 mm. The distance from the top terminal to the center of the battery body is 20 mm. The distance from the top terminal to the center of the battery body is 10 mm. The distance from the top terminal to the center of the battery body is 10 mm.

Bottom View (Bottom): Shows the battery terminals (R) and the overall width of 10 mm. The distance from the bottom terminal to the center of the battery body is 40 mm. The distance from the bottom terminal to the center of the battery body is 20 mm. The distance from the bottom terminal to the center of the battery body is 10 mm. The distance from the bottom terminal to the center of the battery body is 10 mm.

Detail View (Top Right): Shows the battery terminals (T) and the overall width of 10 mm. The distance from the top terminal to the center of the battery body is 40 mm. The distance from the top terminal to the center of the battery body is 20 mm. The distance from the top terminal to the center of the battery body is 10 mm. The distance from the top terminal to the center of the battery body is 10 mm.

Detail View (Bottom Right): Shows the battery terminals (R) and the overall width of 10 mm. The distance from the bottom terminal to the center of the battery body is 40 mm. The distance from the bottom terminal to the center of the battery body is 20 mm. The distance from the bottom terminal to the center of the battery body is 10 mm. The distance from the bottom terminal to the center of the battery body is 10 mm.

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



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

Protective function	Access prevention hand protection
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Operating voltage tolerance	[%]	20
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Safety light curtain

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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]	1210
Resolution (detection capacity d)	[mm]	30
Protection area width (low light intensity)	[m]	0...4
Protection area width (high light intensity)	[m]	3...12
Reaction times		
Response time	[ms]	15.5
Operating conditions		
Applications		Class C to EN 60654-1 weatherproof application
Ambient temperature	[°C]	-10...55
Storage temperature	[°C]	-20...70
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]	1,5E-08
Mechanical data		
Weight	[g]	4215

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Safety light curtain

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Dimensions	[mm]	1263 x 28 x 30
Material		housing: aluminum; front lens: PC
Length L	[mm]	1263

Displays / operating elements

Display	transmitter	1 x LED
	receiver	2 x LED

Accessories

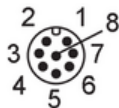
Items supplied	Assembly angle: 6
	Slot nuts: 6
	Nuts

Remarks

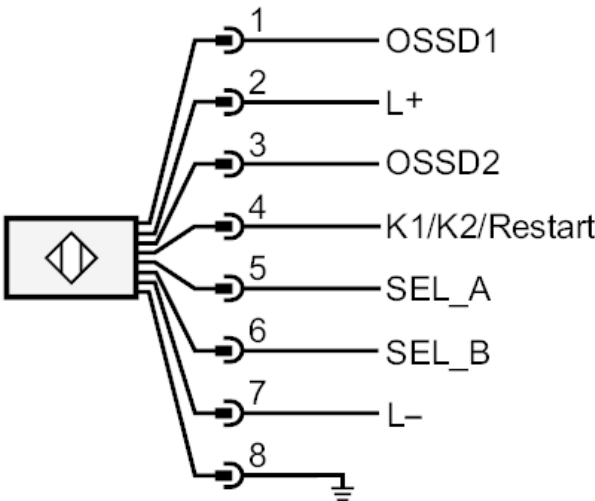
Pack quantity	1 pcs.
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Electrical connection - receiver

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

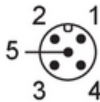


Connection



Electrical connection - transmitter

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



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Safety light curtain

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Connection

