

OYA1060-30-4-12-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. The top terminal is labeled 'T' and the bottom terminal is labeled '1'. The overall length is indicated as 'L'.

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

Detail Views (Right):

- Top Terminal Detail:** Shows a terminal with a width of 14,5 mm and a mounting hole of M5.
- Bottom Terminal Detail:** Shows a terminal with a width of 1,5 mm.
- Top View (Bottom):** Shows the battery footprint with a width of 28 mm and a height of 30 mm. The terminal positions are marked with '+' signs.
- Side View (Bottom):** Shows the battery profile with a height of 28 mm and a terminal width of 3 mm.

- CE  US 

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

Protective function	Access prevention hand 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]	1060
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]	14
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]	1,4E-08

OY047S



Safety light curtain

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Mechanical data		
Weight	[g]	3800
Dimensions	[mm]	1113 x 28 x 30
Material		housing: aluminum; front lens: PC
Length L	[mm]	1113

Displays / operating elements		
Display	transmitter	1 x LED
	receiver	2 x LED

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



Connection



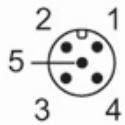


Safety light curtain

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Electrical connection - transmitter

Connector: 1 x M12; coding: A



Connection

