

OYA1510-50-2-12-P-1

Technical drawing of a 12V/24V 100Ah battery, showing front, side, and detail views with dimensions in millimeters.

Front View (Left): Shows the battery terminals (T) and a label (1) with a warning symbol.

Side View (Top): Shows the battery length (L) and terminal (R). Dimensions include 11mm for the terminal height and 61,5mm for the main body length.

Side View (Bottom): Shows the battery width (28mm) and terminal (M12x1). Dimensions include 29,5mm for the terminal height and 30mm for the main body width.

Detail Views (Right): Shows the battery terminals (T) and the battery case (R) with dimensions 40mm, 20mm, 10mm, 14,5mm, 1,5mm, and M5.

- CE  US 

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

Protective function	access prevention bodies or parts of bodies
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Safety light curtain

OYA1510-50-2-12-P-1

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
Detection zone		
Protected area height	[mm]	1510
Resolution (detection capacity d)	[mm]	50
Protection area width (low light intensity)	[m]	0...4
Protection area width (high light intensity)	[m]	3...12
Response times		
Response time	[ms]	11.5
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)		2
Complies with the requirements		ISO 13849-1: 2015 category 2, PL c IEC 62061 SIL 1
Mission time TM	[h]	175200
PFH	[1/h]	5,0E-08

OY080S



Safety light curtain

OYA1510-50-2-12-P-1

Mechanical data		
Weight	[g]	4960
Dimensions	[mm]	1563 x 28 x 30
Materials		housing: aluminium; front pane: PC
Length L	[mm]	1563

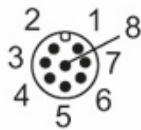
Displays / operating elements		
Display	transmitter	1 x LED
	receiver	2 x LED

Accessories		
Items supplied		mounting bracket: 6
		slot nuts: 6
		Nuts

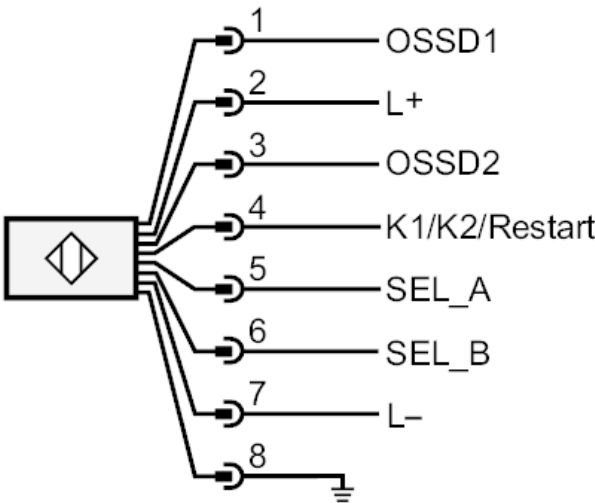
Remarks	
Pack quantity	1 pcs.

Electrical connection - receiver

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



Connection

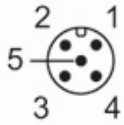


Safety light curtain

OYA1510-50-2-12-P-1

Electrical connection - transmitter

Connector: 1 x M12; coding: A



Connection

