

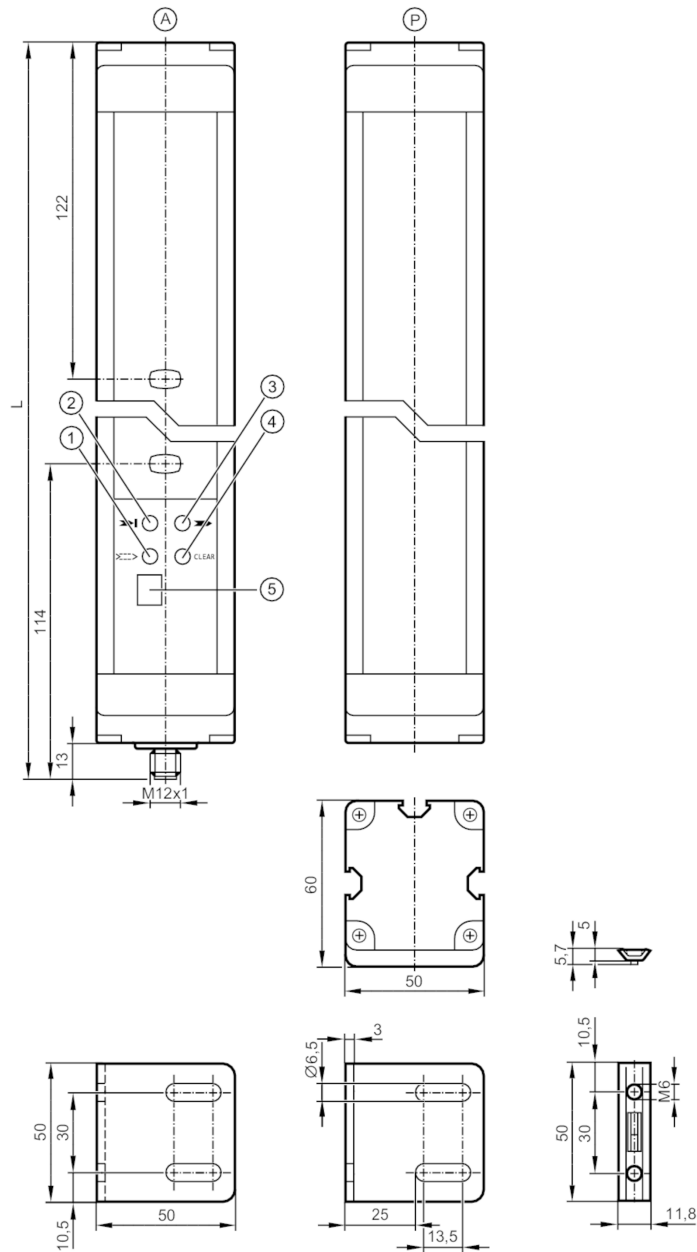
OY902S



Safety light grids

OYD0810-03-4-06-P-1

For 8-wire cordsets the core colors are not standardized.
Please note the wiring of the sensor and the cordsets (see data sheet).



- A active element
- P passive element
- 1 LED orange
- 2 LED red
- 3 LED green
- 4 LED yellow
- 5 display



Product characteristics

Type of light	Infrared light
Electrical design	PNP



Safety light grids

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Protection	IP 65	
Application		
Protective function	Access prevention body protection	
Electrical data		
Operating voltage tolerance	[%]	20
Operating voltage	[V]	24 DC
Current consumption	[mA]	250
Protection class		III
Reverse polarity protection		yes
Power-on delay time	[s]	< 10
Type of light		Infrared light
Wave length	[nm]	950
Outputs		
Electrical design		PNP
Number of OSSD outputs		2
Max. current load per OSSD output	[mA]	500; (24 V)
Short-circuit protection		yes
Monitoring range		
Protected area height	[mm]	810
Number of beams		3
Protection area width (low light intensity)	[m]	0...6
Protection area width (high light intensity)	[m]	0...6
Active/passive system		yes
Reaction times		
Response time	[ms]	10.5
Operating conditions		
Applications	Class C to EN 60654-1 weatherproof application	
Ambient temperature	[°C]	-10...55
Max. relative air humidity	[%]	95
Protection	IP 65	
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]	4,9E-09

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Mechanical data		
Weight	[g]	7290
Dimensions	[mm]	1036 x 50 x 60
Material		housing: aluminum; front lens: PC
Length L	[mm]	1036

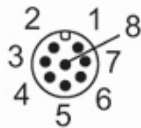
Displays / operating elements		
Display	transmitter	4 x LED
	transmitter	LC display

Accessories		
Items supplied		Assembly angle: 6
		Slot nuts: 6

Remarks	
Pack quantity	1 pcs.

Electrical connection

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



Connection

