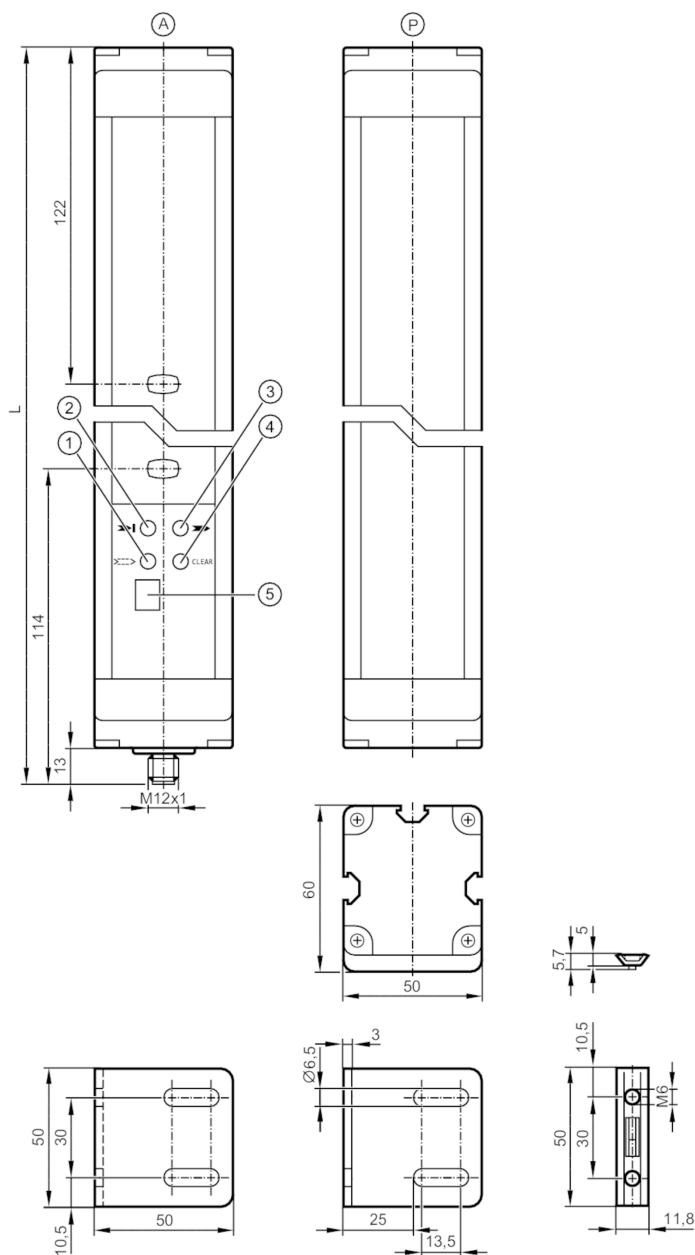


Safety light grids

OYD0810-03-4-06-P-1

For 8-pole sockets the core colours are not standardised.
Please note the wiring of the sensor and the sockets (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

OYD0810-03-4-06-P-1

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	
Detection zone		
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	
Response 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	

OY902S



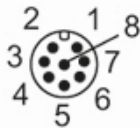
Safety light grids

OYD0810-03-4-06-P-1

Mechanical data		
Weight	[g]	7290
Dimensions	[mm]	1036 x 50 x 60
Materials		housing: aluminium; front pane: PC
Length L	[mm]	1036
Displays / operating elements		
Display	transmitter	4 x LED
	transmitter	LC display
Accessories		
Items supplied		mounting bracket: 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

