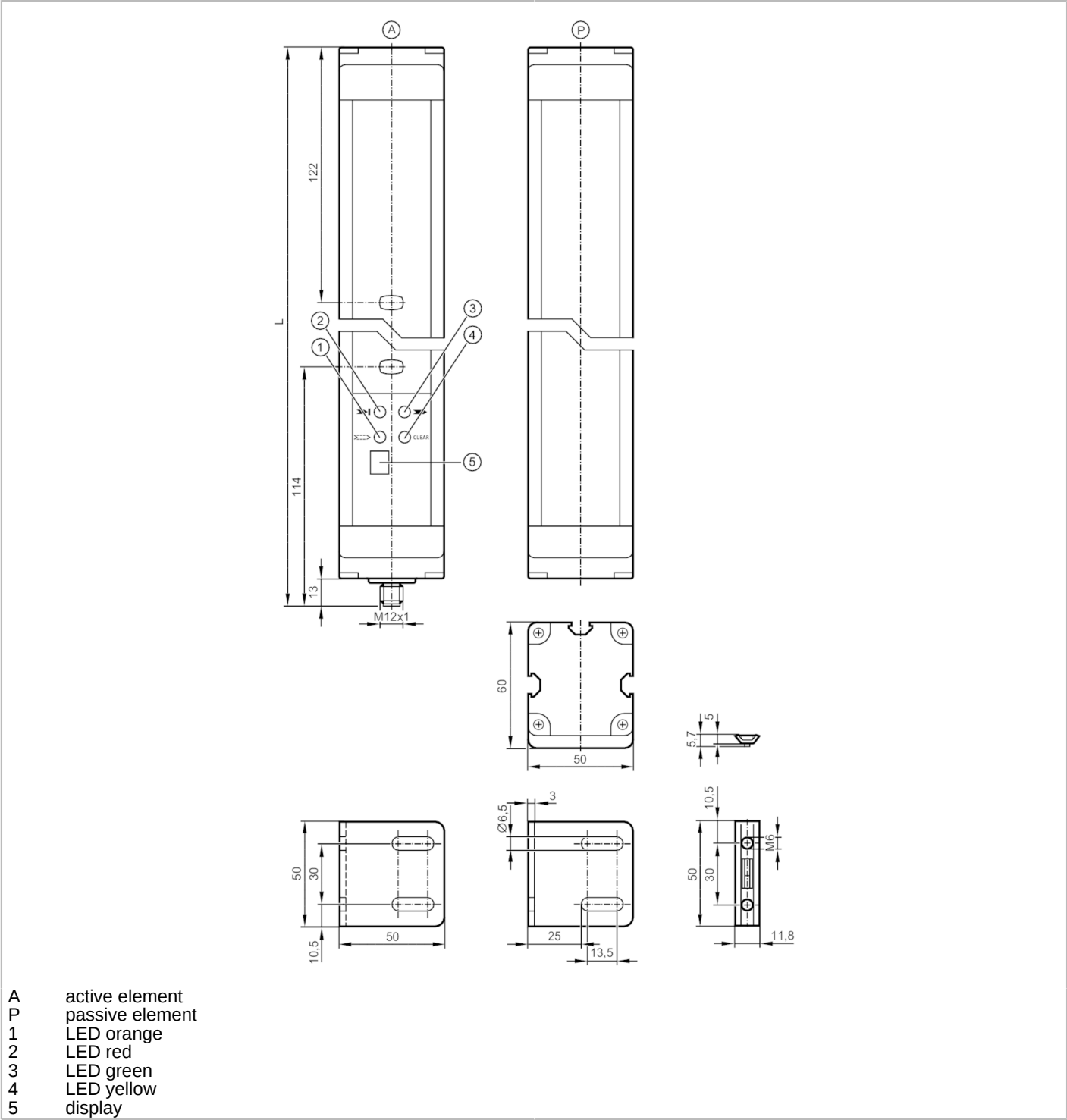




Safety light grids

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).



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



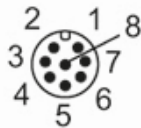
Safety light grids

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

