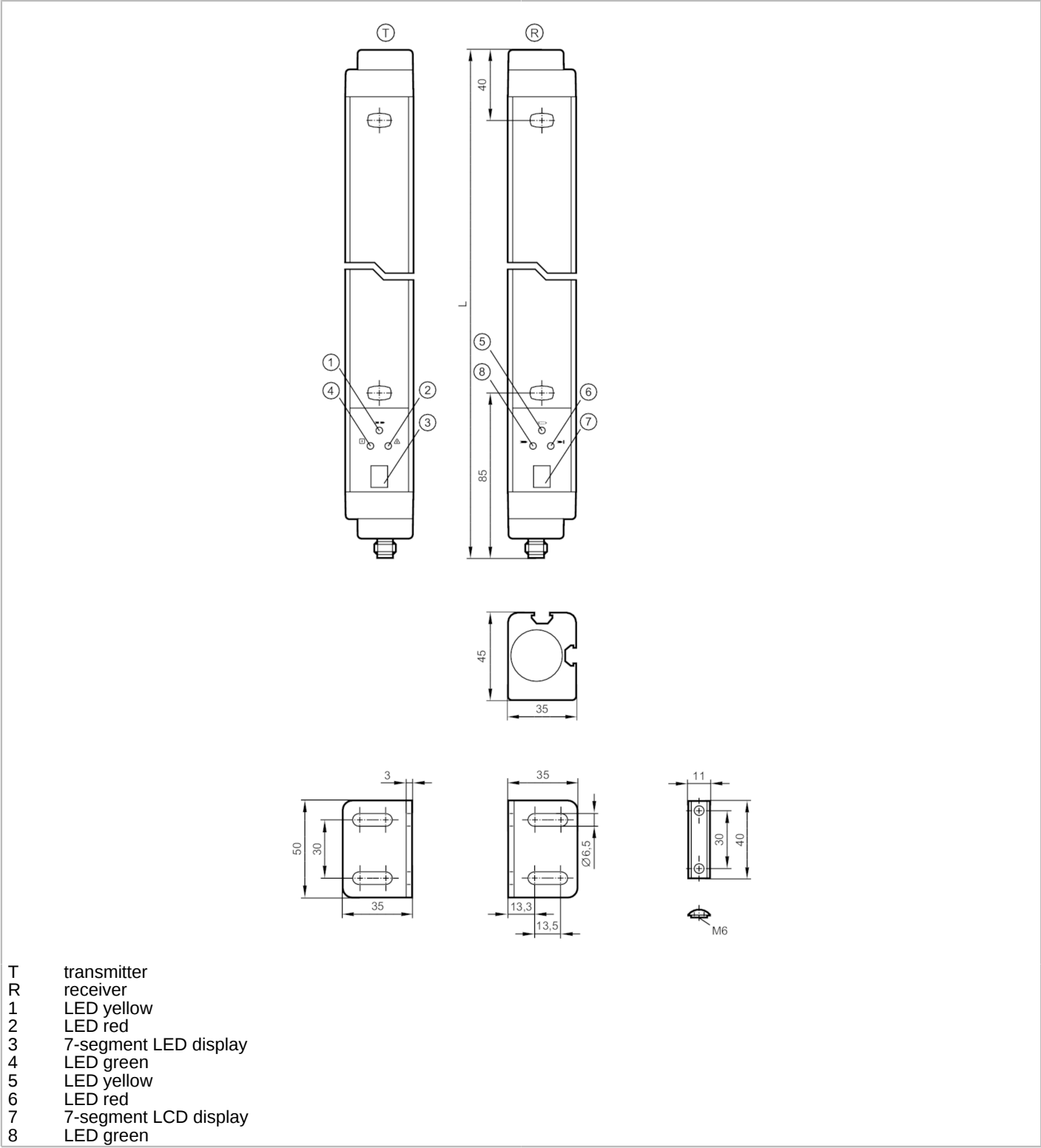




Safety light curtain

OYA0910-14-4-05-P-1-B

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



Safety light curtain

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Electrical design	PNP	
Protection	IP 65	
Application		
Protective function	access prevention finger protection	
Electrical data		
Operating voltage tolerance [%]	20	
Operating voltage [V]	24 DC	
Protection class	III	
Reverse polarity protection	yes	
Power-on delay time [s]	< 18	
Type of light	infrared light	
Wave length [nm]	950	
Receiver		
Current consumption [mA]	125	
Transmitter		
Current consumption [mA]	83	
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]	910	
Resolution (detection capacity d) [mm]	14	
Protection area width (low light intensity) [m]	0...3	
Protection area width (high light intensity) [m]	0...5	
Floating blanking	yes	
Response times		
Response time [ms]	15.5	
Operating conditions		
Applications	class C to EN 60654-1 weatherproof application	
Ambient temperature [°C]	0...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	



Safety light curtain

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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]	1,8E-08

Mechanical data

Weight	[g]	5070
Dimensions	[mm]	1011 x 35 x 45
Materials	housing: aluminium; front pane: PC	
Length L	[mm]	1011

Displays / operating elements

Display	transmitter	3 x LED
	transmitter	7-segment LCD display
	receiver	3 x LED
	receiver	7-segment LCD display

Accessories

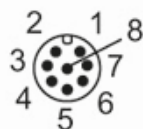
Items supplied	mounting bracket: 4	
	slot nuts: 4	
	screws	

Remarks

Pack quantity	1 pcs.
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Electrical connection - receiver

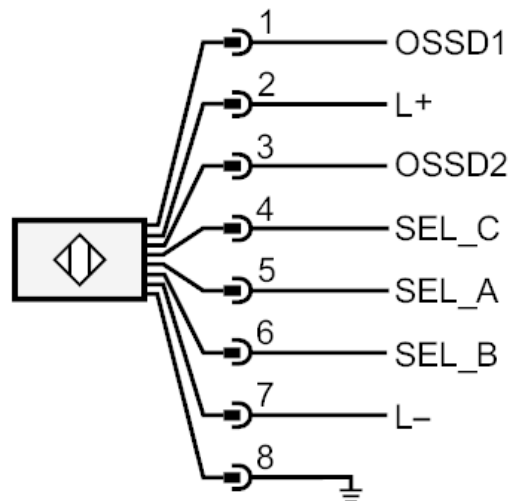
Connector: 1 x M12; coding: A; Maximum cable length: 100 m; for wire cross-section 0.34 mm²



Safety light curtain

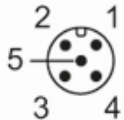
OYA0910-14-4-05-P-1-B

Connection



Electrical connection - transmitter

Connector: 1 x M12; coding: A



Connection

