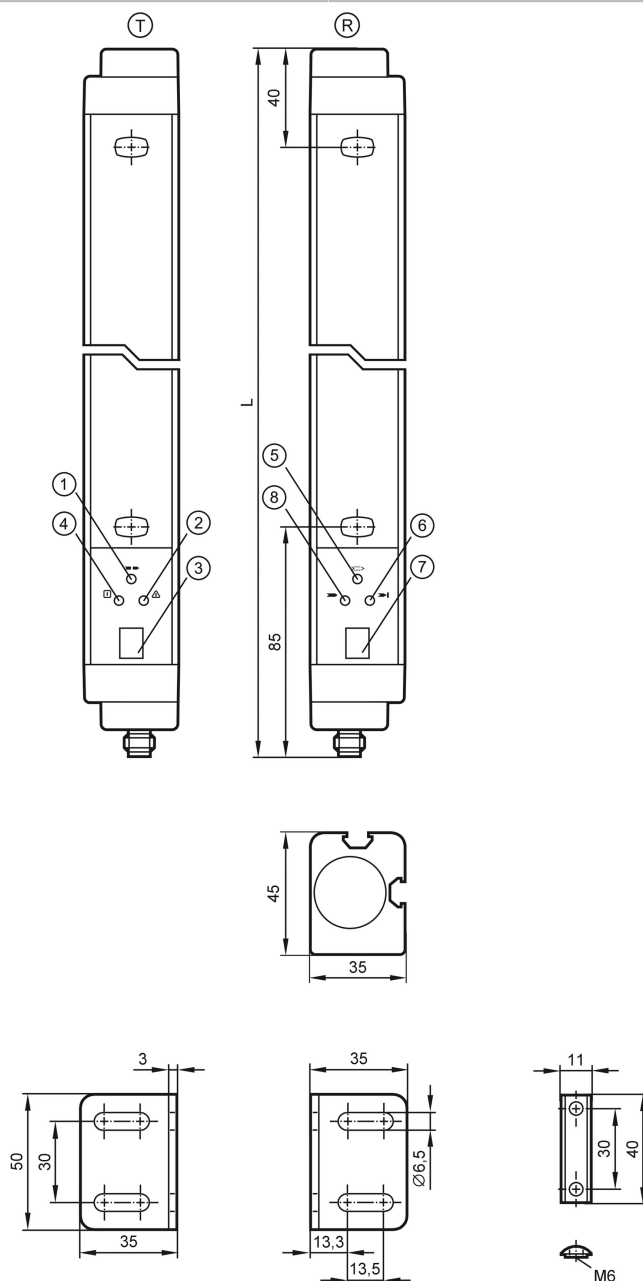


Safety light curtain

OYA0760-20-4-18-P-1-B

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



- | | |
|---|-----------------------|
| T | transmitter |
| R | receiver |
| 1 | LED yellow |
| 2 | LED red |
| 3 | 7-segment LED display |
| 4 | LED green |
| 5 | LED yellow |
| 6 | LED red |
| 7 | 7-segment LCD display |
| 8 | LED green |



Product characteristics

Type of light	Infrared light
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Safety light curtain

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Electrical design	PNP	
Protection	IP 65	
Application		
Protective function	Access prevention hand 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	
Monitoring range		
Protected area height [mm]	760	
Resolution (detection capacity d) [mm]	20	
Protection area width (low light intensity) [m]	0...6	
Protection area width (high light intensity) [m]	3...18	
Floating blanking	yes	
Reaction times		
Response time [ms]	13.5	
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]	1,6E-08

Mechanical data		
Weight	[g]	4260
Dimensions	[mm]	861 x 35 x 45
Material	housing: aluminum; front lens: PC	
Length L	[mm]	861

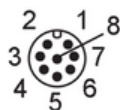
Displays / operating elements		
Display	transmitter	3 x LED
	transmitter	7-segment LCD display
	receiver	3 x LED
	receiver	7-segment LCD display

Accessories		
Items supplied	Assembly angle: 4	
	Slot nuts: 4	
	screws	

Remarks		
Pack quantity	1 pcs.	

Electrical connection - receiver

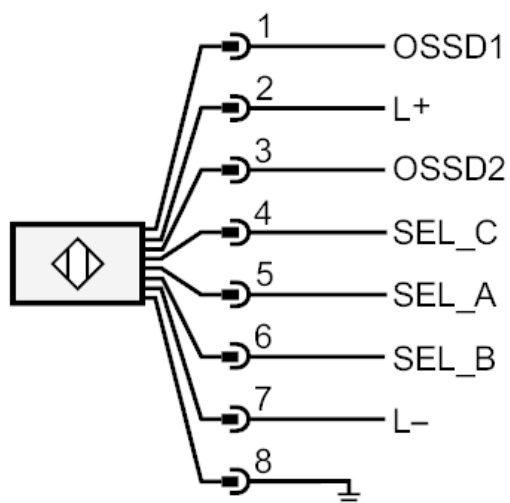
Connector: 1 x M12; coding: A; Contacts: 8; Maximum cable length: 100 m; for wire cross-section 0.34 mm²



Safety light curtain

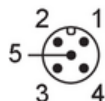
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Connection



Electrical connection - transmitter

Connector: 1 x M12; coding: A; Contacts: 5



Connection

