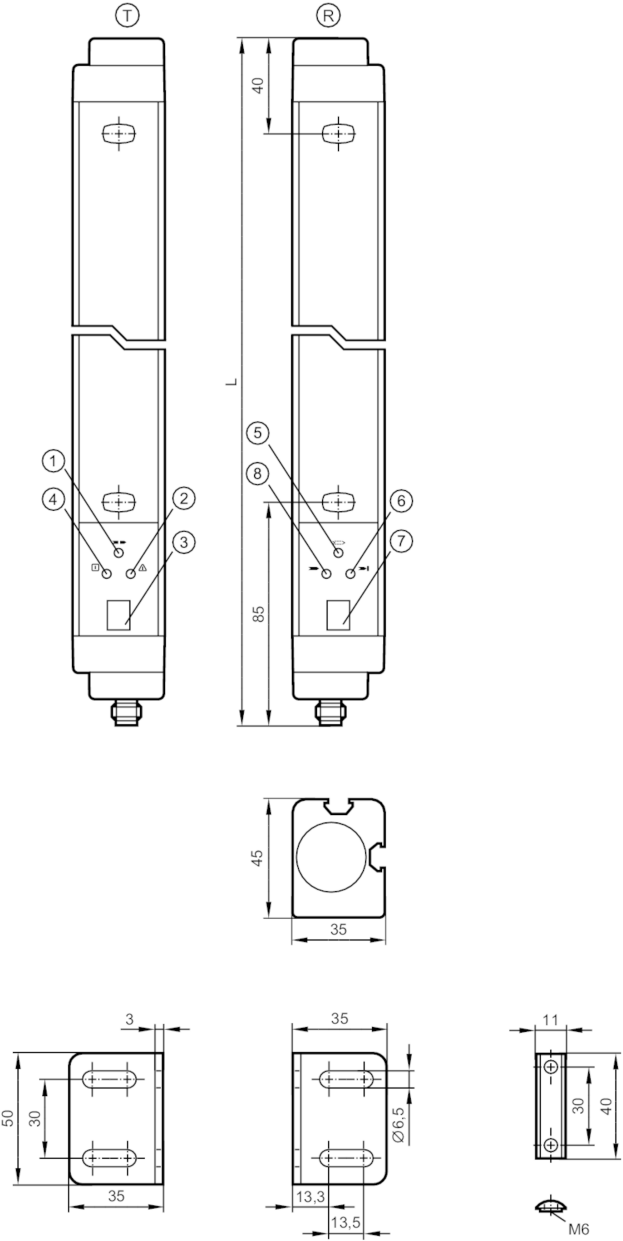




Safety light curtain

OYA0760-40-4-18-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



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]	40	
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]	9.5	
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]	1,2E-08

Mechanical data		
Weight	[g]	4800
Dimensions	[mm]	861 x 35 x 45
Material	housing: aluminum; front lens: PC	
Length L	[mm]	861

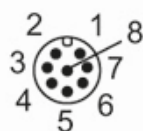
Displays / operating elements		
Display	transmitter	3 x LED
	transmitter	7-segment LCD display
	receiver	3 x LED
	receiver	7-segment LCD display

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

Remarks		
Pack quantity	1 pcs.	

Electrical connection - receiver

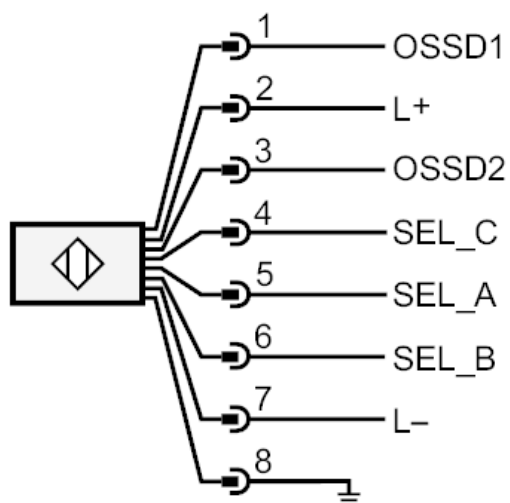
Connector: 1 x M12; coding: A; Maximum cable length: 100 m; for wire cross-section 0.34 mm²



Safety light curtain

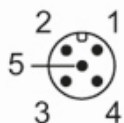
OYA0760-40-4-18-P-1-B

Connection



Electrical connection - transmitter

Connector: 1 x M12; coding: A



Connection

