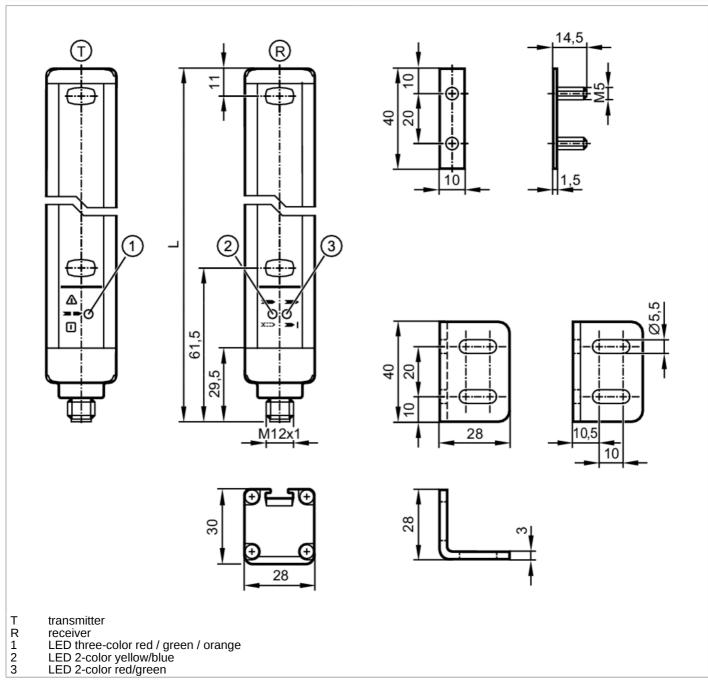
Safety light curtain

OYA1510-50-4-20-P-1



For 8-wire cordsets the core colors are not standardized.

Please note the wiring of the sensor and the cordsets (see data sheet).





Product characteristics		
Type of light	Infrared light	
Electrical design	PNP	
Protection	IP 65; IP 67	
Application		
Protective function	Access prevention bodies or parts of bodies	

Safety light curtain

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Electrical data		
Operating voltage tolerance	[%]	20
Operating voltage	[V]	24 DC
Protection class		III
Reverse polarity protection		yes
Power-on delay time	[s]	< 2
Type of light		Infrared light
Wave length	[nm]	950
Receiver		
Current consumption	[mA]	83
Transmitter		
Current consumption	[mA]	42
Outputs		
Electrical design		PNP
Number of OSSD outputs		2
Max. current load per OSSD output	[mA]	400; (24 V)
Short-circuit protection		yes
Monitoring range		
Protected area height	[mm]	1510
Resolution (detection capacity d)	[mm]	50
Protection area width (low light intensity)	[m]	010
Protection area width (high light intensity)	[m]	320
Reaction times		
Response time	[ms]	7
Operating conditions		
Applications		Class C to EN 60654-1 weatherproof application
Ambient temperature	[°C]	-1055
Max. relative air humidity	[%]	95
Protection		IP 65; IP 67
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		ISO 13849-1: 2015 Category 4, PL e
requirements		IEC 61508 SIL 3
Mission time TM	[h]	IEC 62061 SIL 3
MIssion time TM	[h]	175200
PFH	[1/h]	1,5E-08

Safety light curtain

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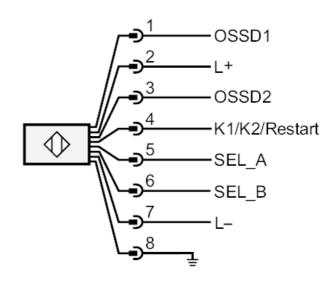
Mechanical data			
Weight	[g]	6210	
Dimensions	[mm]	1563 x 28 x 30	
Material		housing: aluminum; front lens: PC	
Length L	[mm]	1563	
Displays / operating	j elements		
Display		LED, yellow	
		LED, green	
		LED, red	
		LED, blue	
		LED, orange	
Accessories			
Items supplied		Assembly angle: 6	
		Slot nuts: 6	
		Nuts	
Remarks			
Pack quantity		1 pcs.	

Electrical connection - receiver

Connector: 1 x M12; coding: A; Maximum cable length: 100 m; for wire cross-section $0.34\ mm^2$



Connection



Safety light curtain

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Electrical connection - transmitter

Connector: 1 x M12; coding: A



Connection

