





## Safety light curtain

OYA0160-14-4-06-P-1

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
<b>Receiver</b>		
Current consumption	[mA]	83
<b>Transmitter</b>		
Current consumption	[mA]	42
<b>Outputs</b>		
Electrical design		PNP
Number of OSSD outputs		2
Max. current load per OSSD output	[mA]	400; (24 V)
Short-circuit protection		yes
<b>Monitoring range</b>		
Protected area height	[mm]	160
Resolution (detection capacity d)	[mm]	14
Protection area width (low light intensity)	[m]	0...3
Protection area width (high light intensity)	[m]	1...6
<b>Reaction times</b>		
Response time	[ms]	4
<b>Operating conditions</b>		
Applications		Class C to EN 60654-1 weatherproof application
Ambient temperature	[°C]	-10...55
Max. relative air humidity	[%]	95
Protection		IP 65; IP 67
<b>Tests / approvals</b>		
EMC		IEC 61496-1
Shock resistance		IEC 61496-1
Vibration resistance		IEC 61496-1
<b>Safety classification</b>		
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]	1,0E-08
<b>Mechanical data</b>		
Weight	[g]	1270
Housing		rectangular

# OY001S



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OYA0160-14-4-06-P-1

Dimensions	[mm]	213 x 28 x 30
Material		housing: aluminum; front lens: PC
Length L	[mm]	213

### Displays / operating elements

Display	LED, yellow
	LED, green
	LED, red
	LED, blue
	LED, orange

### Accessories

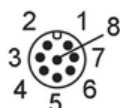
Items supplied	Assembly angle: 4
	Slot nuts: 4
	Nuts

### Remarks

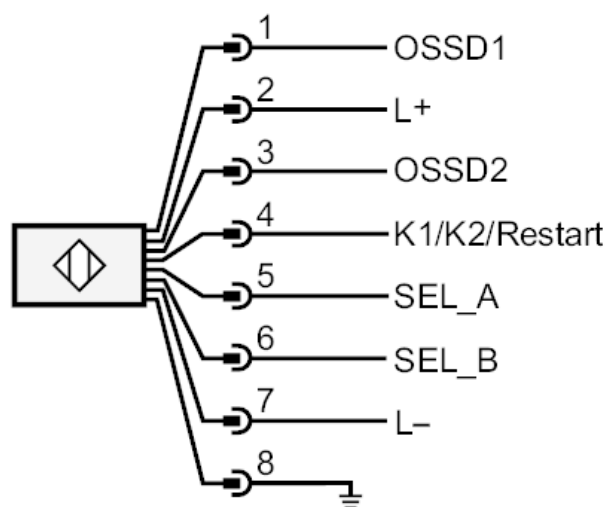
Pack quantity	1 pcs.
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### Electrical connection - receiver

Connector: 1 x M12; coding: A; Contacts: 8; Maximum cable length: 100 m; for wire cross-section 0.34 mm<sup>2</sup>

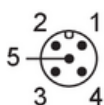


### Connection



### Electrical connection - transmitter

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



# OY001S



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### Connection

