

OYA0310-30-4-12-P-1

[illegible]

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Type of light	Infrared light
Dimensions [mm]	363 x 28 x 30
Application	
Protective function	Access prevention hand protection



Safety light curtain

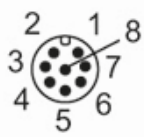
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Electrical data		
Operating voltage tolerance	[%]	20
Operating voltage	[V]	24 DC
Protection class		III
Reverse polarity protection		yes
Power-on delay time	[s]	< 2
Type of light		Infrared light
Wave length	[nm]	950
Receiver		
Current consumption	[mA]	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]	310
Resolution (detection capacity d)	[mm]	30
Protection area width (low light intensity)	[m]	0...4
Protection area width (high light intensity)	[m]	3...12
Reaction times		
Response time	[ms]	5.5
Operating conditions		
Applications		Class C to EN 60654-1 weatherproof application
Ambient temperature	[°C]	-10...55
Storage temperature	[°C]	-20...70
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 light curtain

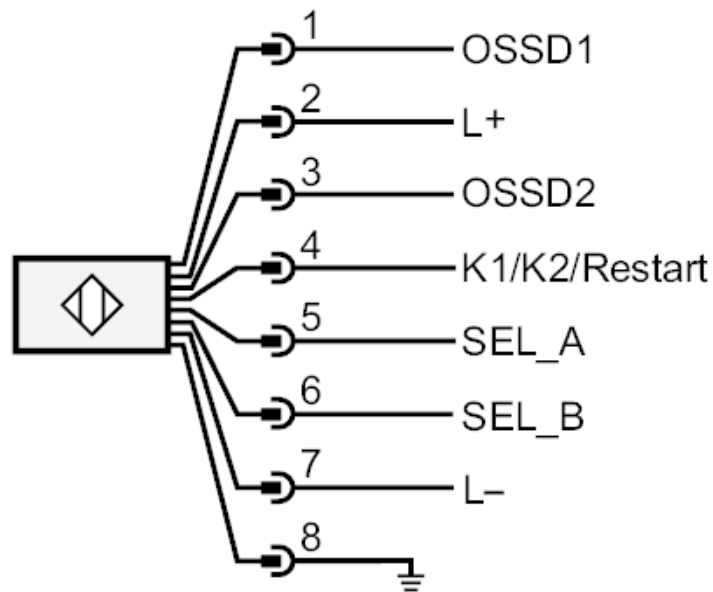
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Safety classification		
ESPE type (IEC 61496-1)	4	
ISO 13849-1	Category 4, PL e	
IEC 61508	SIL 3	
IEC 62061	SIL cl 3	
Mission time TM	[h]	175200
Safety-related reliability PFHD	[1/h]	8.2E-09
Mechanical data		
Weight	[g]	1650
Dimensions	[mm]	363 x 28 x 30
Material	housing: aluminum; front lens: PC	
Length L	[mm]	363
Displays / operating elements		
Display	transmitter	1 x LED
	receiver	2 x LED
Accessories		
Items supplied	Assembly angle: 4	
	Slot nuts: 4	
	Nuts	
Remarks		
Pack quantity	1 pcs.	
Electrical connection - receiver		
Connector: 1 x M12; Maximum cable length: 100 m; for wire cross-section 0.34 mm²		
		

Safety light curtain

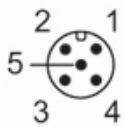
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Connection



Electrical connection - transmitter

Connector: 1 x M12



OY042S



Safety light curtain

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Connection

