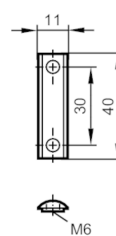
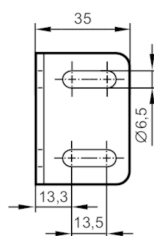
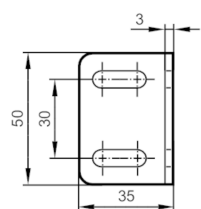
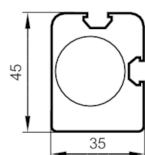


OYA0160-14-4-05-P-1-B

[illegible]

- | | |
|---|-----------------------|
| 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 |



Type of light

infrared light



Safety light curtain

OYA0160-14-4-05-P-1-B

Electrical design		PNP
Protection		IP 65
Application		
Protective function		access prevention finger 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
Detection zone		
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]	0...5
Floating blanking		yes
Response times		
Response time	[ms]	6
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

OY801S



Safety light curtain

OYA0160-14-4-05-P-1-B

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]	1E-08

Mechanical data

Weight	[g]	3360
Dimensions	[mm]	261 x 35 x 45
Materials	housing: aluminium; front pane: PC	
Length L	[mm]	261

Displays / operating elements

Display	transmitter	3 x LED
	transmitter	7-segment LCD display
	receiver	3 x LED
	receiver	7-segment LCD display

Аксессуары

Items supplied	mounting bracket: 4	
	slot nuts: 4	
	ГВИНТИ	

Remarks

Pack quantity	1 pcs.
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Electrical connection - receiver

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



Safety light curtain

OYA0160-14-4-05-P-1-B

Connection



Electrical connection - transmitter

Connector: 1 x M12; coding: A



Connection

