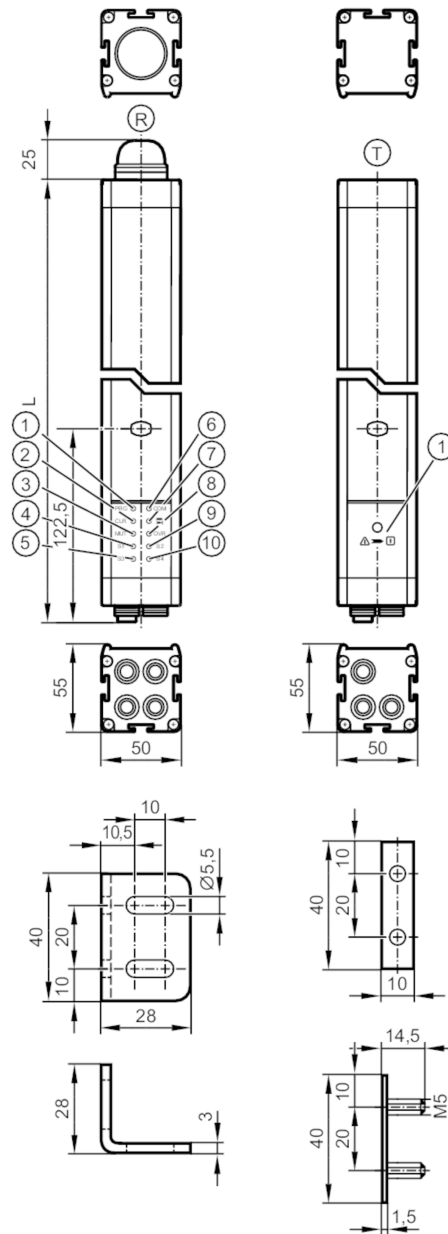




Safety light grids

OYA810-03-4-12-P-4-M



- T transmitter
- 1 LED three-colour red / yellow / green
-
- R receiver
- 1 LED yellow
- 2 LED yellow
- 3 LED yellow
- 4 LED yellow
- 5 LED yellow
- 6 LED orange
- 7 LED 2-colour red/green
- 8 LED yellow
- 9 LED yellow
- 10 LED yellow



Product characteristics

Type of light

infrared light



Safety light grids

OYA810-03-4-12-P-4-M

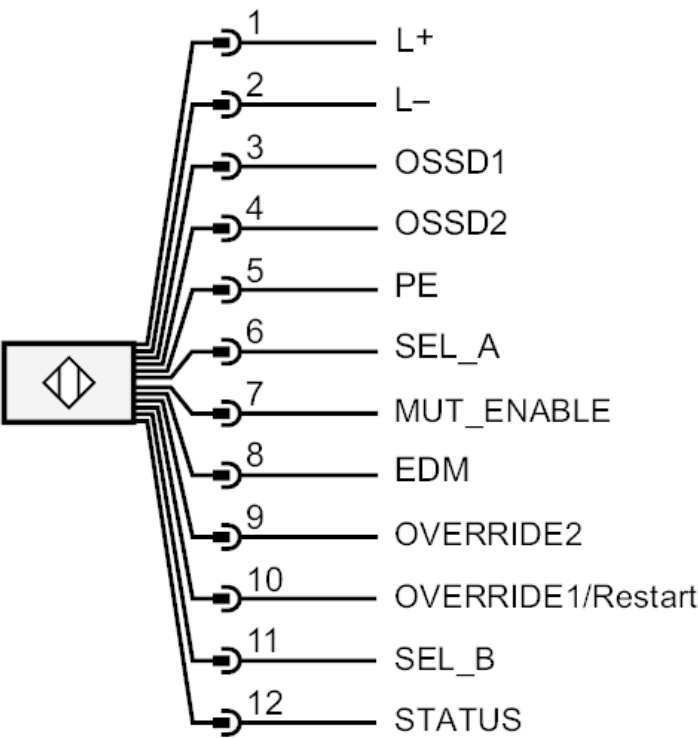
Electrical design	PNP
Protection	IP 65; IP 67
Electrical data	
Operating voltage [V]	24 DC
Protection class	III
Reverse polarity protection	yes
Power-on delay time [s]	< 10
Type of light	infrared light
Wave length [nm]	950
Receiver	
Current consumption [mA]	84
Transmitter	
Current consumption [mA]	42
Outputs	
Electrical design	PNP
Number of OSSD outputs	2
Max. current load per OSSD output [mA]	300; (24 V)
Short-circuit protection	yes
Detection zone	
Protected area height [mm]	810
Number of beams	3
Protection area width (low light intensity) [m]	0...4
Protection area width (high light intensity) [m]	3...12
Response times	
Response time [ms]	5.5
Operating conditions	
Applications	class C to EN 60654-1 weatherproof application
Ambient temperature [°C]	-30...55
Storage temperature [°C]	-30...70
Max. relative air humidity [%]	95; (non condensing)
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 requirements	ISO 13849-1: 2015 category 4, PL e
	IEC 61508 SIL 3
	IEC 62061 SIL 3
Mission time TM [h]	175200



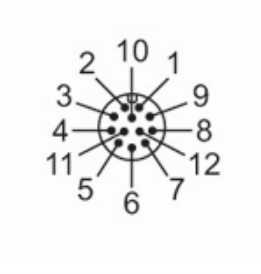
Safety light grids

OYA810-03-4-12-P-4-M

PFH	[1/h]	9E-09
Mechanical data		
Weight	[g]	6420
Dimensions	[mm]	985 x 50 x 50
Materials		housing: aluminium; front pane: PC
Length L	[mm]	985
Displays / operating elements		
Display	transmitter	1 x LED
	receiver	10 x LED
Accessories		
Items supplied	mounting bracket:	6
	slot nuts:	6
Remarks		
Pack quantity		1 pcs.
Electrical connection - receiver		
Connection		



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

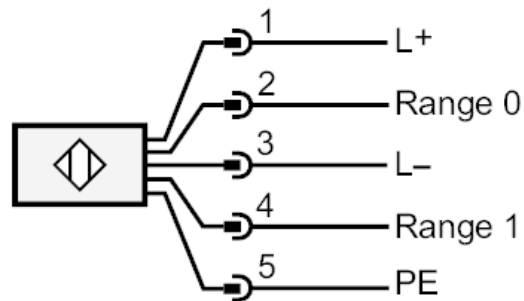


Safety light grids

OYA810-03-4-12-P-4-M

Electrical connection - transmitter

Connection



Connector: 1 x M12; coding: A

