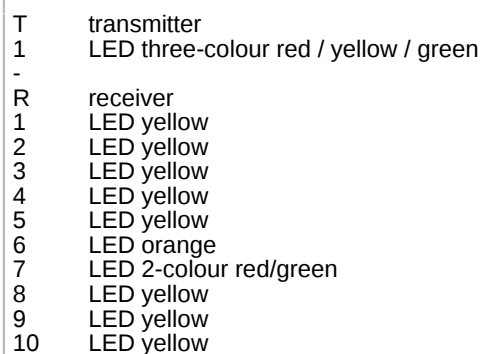


OYA810-03-4-12-P-4-M



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

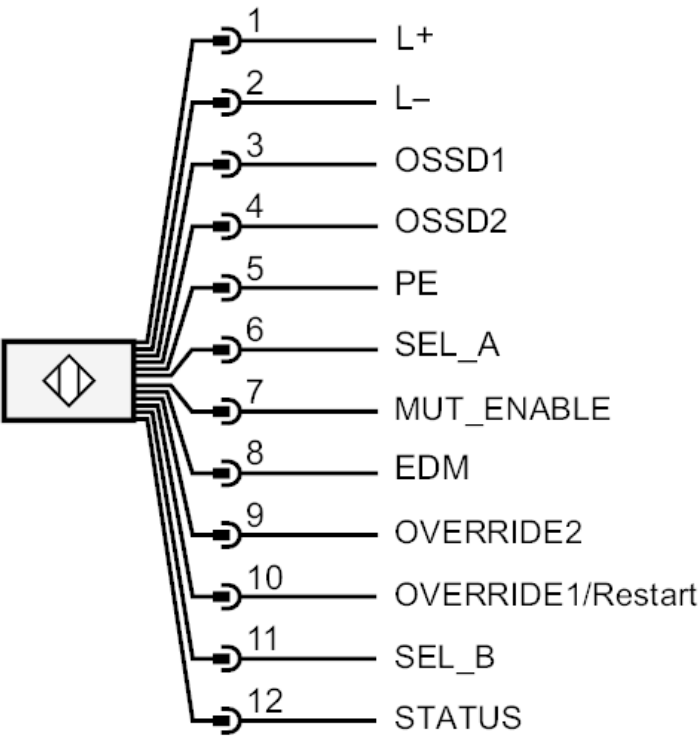
OY512S



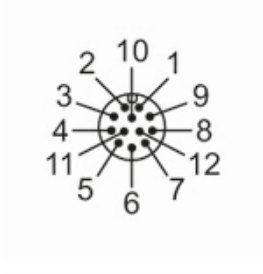
Safety light grids

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

PFH	[1/h]	9E-09	
Mechanical data			
Weight	[g]	6420	
Dimensions	[mm]	985 x 50 x 55	
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

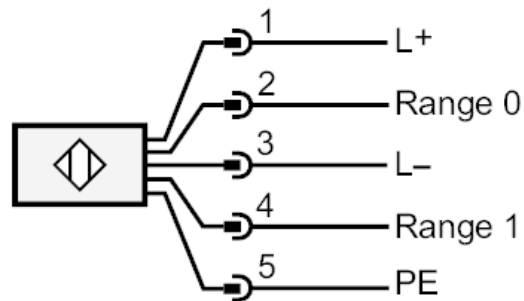


Safety light grids

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

Electrical connection - transmitter

Connection



Connector: 1 x M12; coding: A

