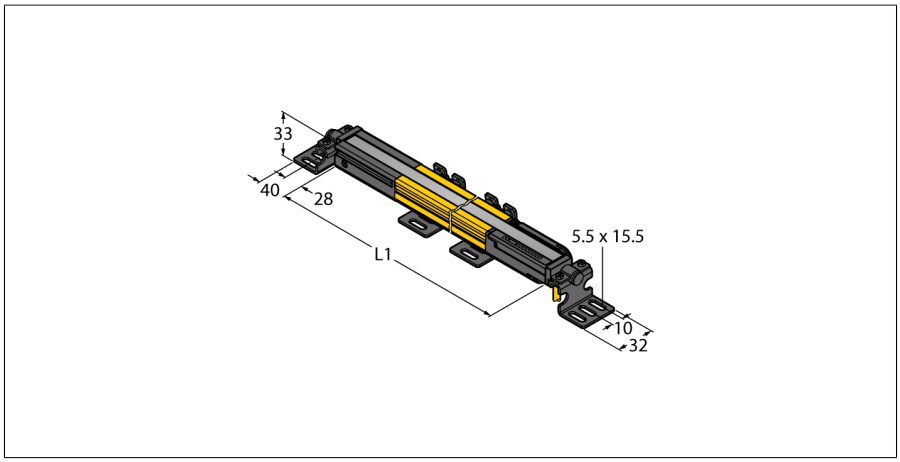
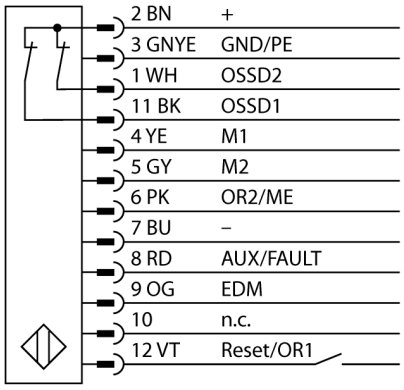
Safety Light Curtain
Receiver
Integrated Muting Function
SLPMR14-1110



- Electrical connection via RDLP-8 with open end or via DELPE-8 with male M12 x 1, 8-pin
- Protection class IP65
- Flat housing without blind zone
- Adjustments via DIP switch
- Resolution can be reduced
- Blanking function
- Operating voltage: 24 VDC ± 15 %
- Resolution 14 mm
- Scan field 1110 mm (L1)
- Mounting bracket included in delivery

Type	SLPMR14-1110
ID	3084469
Optical data	
Function	Light screen
Optical resolution	14 mm
Range	0…7000 mm
Scan field	1110 mm
Number of beams	56
With muting function	Yes
Scan Code	Adjustable
Electrical data	
Operating voltage U_B	20…28 VDC
Residual ripple	< 10 % U_{ss}
DC rated operating current I_e	≤ 150 mA
Current consumption non-actuated	≤ 150 mA
No-load current I_0	≤ 275 mA
Max. current safe output	500 mA
Short-circuit protection	yes
Reverse polarity protection	yes
Output function	2 x NC contact, 2 × PNP
Current output	0…500 mA
Number of safe semiconductor outputs	2
Insulation class	III
Response time typical	< 28.5 ms
With restart interlock	yes
Blanking function	yes

Wiring Diagram



Functional principle

The high-resolution safety light screen is emitter and receiver in one without blind zone. As the system is optically synchronized, emitter/receiver wiring is superfluous. The receiver's safety switching outputs are directly connected to a load relay (e.g. IM-T-9A) and trigger an immediate stop of dangerous machine cycles. Personnel safety category PLe acc. to ISO 13849-1 is fulfilled through 2-channel monitoring of the switching device and the principle of diverse redundancy by which two processors control each other mutually.

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Mechanical data	
Design	Rectangular, EZ-Screen LP
Housing material	Metal, AL, Yellow polyester
Lens	plastic, Acryl
Cascadable	No
Electrical connection	Cable entry for flat connector
Ambient temperature	0…+55 °C
Protection class	IP65

Power-on indication	LED, Green
Switching state	2-color LED, Red

Tests/approvals	
Vibration resistance	10–55 Hz at 0.35 mm
Shock test	10 g at 16 ms (6000 cycles)
Approvals	CE, cTUVus

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