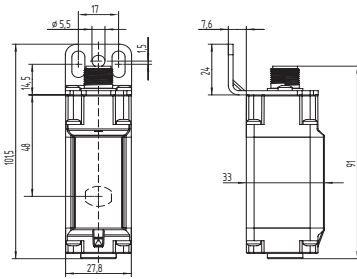
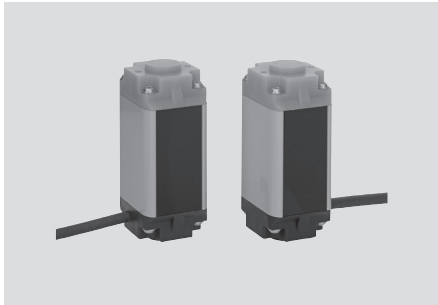


Safety light barriers

SLB 240



- Range 0.3 m to 15 m
- Compact housing
- Type 2 safe OSSD outputs
- Integrated connector or cable with connector
- Illuminated LED end cap status indicator
- Integrated start/restart interlock
- Visual alignment set-up tool
- 4 stage beam coding
- Protection class IP67

Technical data

Standards: EN 61496-1, EN 61496-2
EN ISO13849, EN 62061

Control Category: Type 2

Enclosure: aluminum

Enclosure dimensions: 27.8 x 33 x 72 mm

Connection:

- emitter: M12 connector, 4-pole
- receiver: M12 connector, 4-pole or 5-pole

Max. cable length: 50 m

Protection class: IP67

Response time: 7 ms ... 22 ms
depending on beam coding/samplings

Range: 0.3 m... 15 m

Function: Protective mode / Automatic,
Restart interlock (manual reset), Setting mode

Light emission wavelength: 880 nm

U_e: 24 VDC ± 10%, 1A

Safety outputs: 2 x short circuit proof PNP
semiconductor outputs

Angle of radiation: ± 5°

Min. size of object: 10 mm Ø

Ambient temperature: -30 °C ... +50 °C

Storage and transport temperature: -30 °C ... +70 °C

Classification:

Standards: EN ISO 13849-1; EN 62061

PL: up to c

Category: up to 2

PFH-value: 1.5 x 10⁻⁸ /h

SIL: up to 1

Service life: 20 years

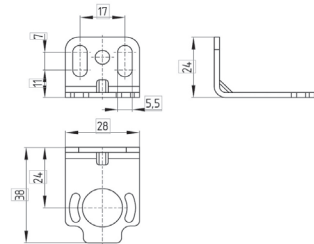
System components



Safety Controller



Connector plug



Mounting kit MS-1101

Approvals



Ordering details

SLB 240-ER-①-②

Nr.	Option	Description
①	1	Beam coding 1
	2	Beam coding 2
	3	Beam coding 3
	4	Beam coding 4
②	ST	M12 connector
	LST	200 mm cable with M12 connector

Note: beam coding 1 is standard (stocked) and can be changed in the field.

Ordering details

The system components (mounting brackets, cable, etc.) are not included in delivery.

Compatible Safety Controllers

SRB-E-201LC	SRB-E-201ST
SRB-E-301ST	SRB-E-212ST
SRB-E-322ST	SRB-E-204ST
SRB-E-204PE	SRB-E-402ST
SRB301MA	SRB301MC
SRB301ST	SRB324ST
SRB211ST	

Ordering details

Connector: Female connector M12
for emitter & receiver (automatic restart)

4-pole cable, length 5 m	KA-0804
4-pole cable, length 10 m	KA-0805
4-pole cable, length 20 m	KA-0808

for receiver (restart interlock)

5-pole cable, length 5 m	101209949
5-pole cable, length 15 m	101209948

Cable for the parametrization

cable length 1 m	KA-0977
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Mounting kit includes 2 brackets, 4 fixing screws **MS-1101**