

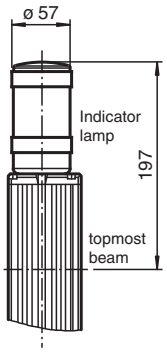
Safety light grid

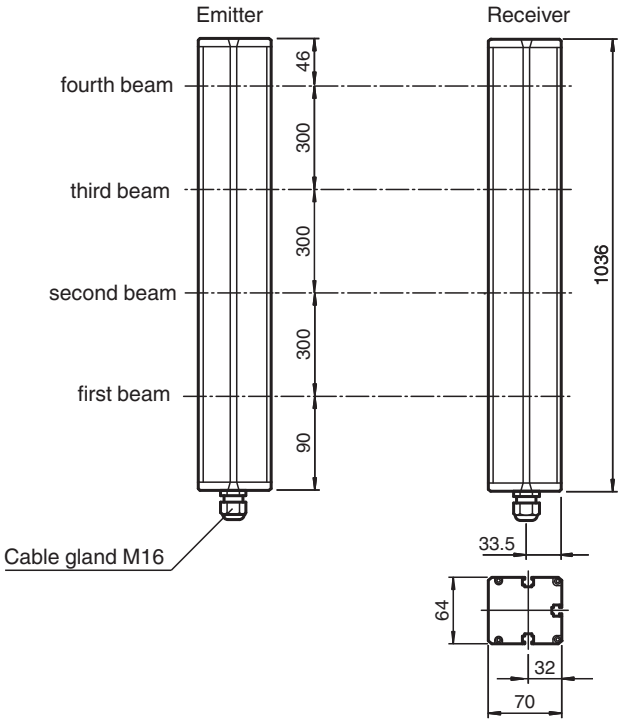
SLP10-4-L

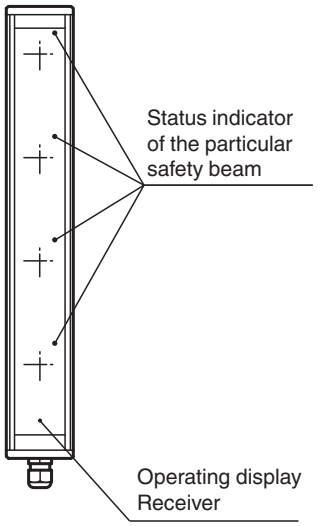
- Sensing range up to 10 m
- Self-monitoring (type 4 according to IEC/EN 61496-1)
- 4-radial design
- Beam spacing 300 mm
- Red transmission light
- Integrated function display
- Pre-fault indication
- Operation on control units of SB4 (SafeBox)

Dimensions

Option -L with indicator lamp (receiver only)







Technical Data

System components	
Emitter	SLP10-4-T
Receiver	SLP10-4-R-L
General specifications	
Effective detection range	0.2 ... 10 m
Light source	LED

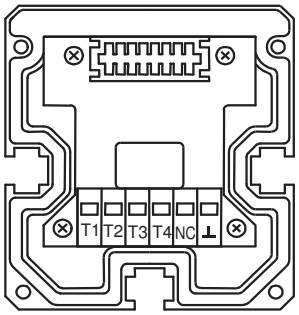
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Technical Data

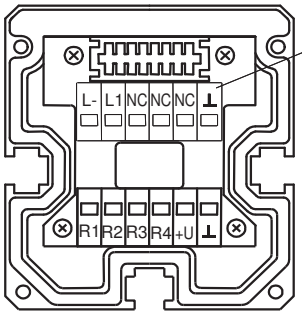
Light type		modulated visible red light
Tests		IEC/EN 61496
Safety type according to IEC/EN 61496		4
Marking		CE
Target size		static: 32 mm dynamic: 50 mm (at v = 1.6 m/s of the obstacle)
Beam spacing		300 mm
Number of beams		4
Angle of divergence		< 5 °
Functional safety related parameters		
Performance level (PL)		PL e
Category		Cat. 4
Mission Time (T_M)		20 a
PFH_d		2.81 E-9
Type		4
Indicators/operating means		
Operation indicator		LED red in receiver
Function indicator		LED red: per receiver channel off: Interruption flashes: receiver continuously on: reception with sufficient stability control
Muting indicator		Indicator lamp
Pre-fault indicator		Functional display flashing
Electrical specifications		
Operating voltage	U_B	Power supply via control unit
Protection class		III
Conformity		
Functional safety		ISO 13849-1
Product standard		EN 61496-1 ; IEC 61496-2
Approvals and certificates		
CE conformity		CE
Approvals		TÜV SÜD
Ambient conditions		
Ambient temperature		-20 ... 60 °C (-4 ... 140 °F)
Storage temperature		-20 ... 70 °C (-4 ... 158 °F)
Relative humidity		max. 95 %, not condensing
Mechanical specifications		
Degree of protection		IP65
Connection		M16 cable gland , terminal compartment
Connection options		Further electrical connection options on request: Connector DIN 43 651 Hirschmann, emitter: 6-pin+PE, receiver: 11-pin+PE
Material		
Housing		extruded aluminum profile, RAL 1021 (yellow) coated
Optical face		Plastic pane
Mass		Per 3500 g

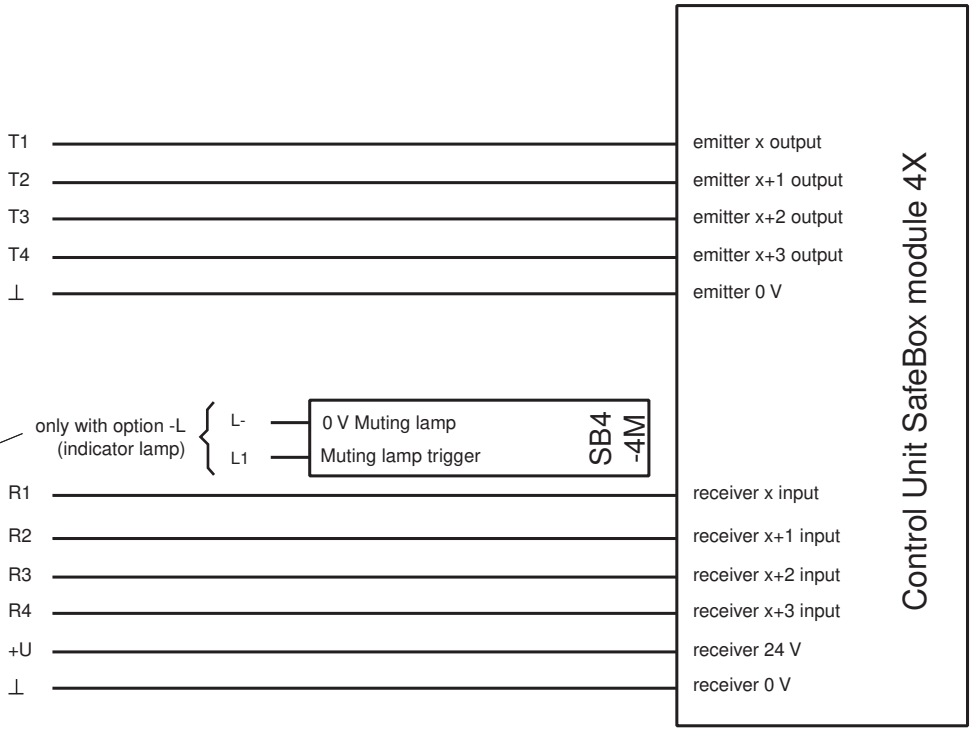
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Emitter SLP



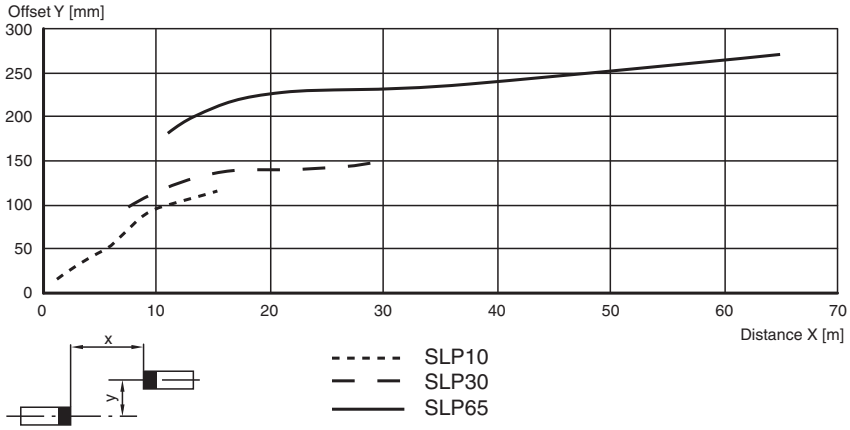
Receiver SLP (-L)



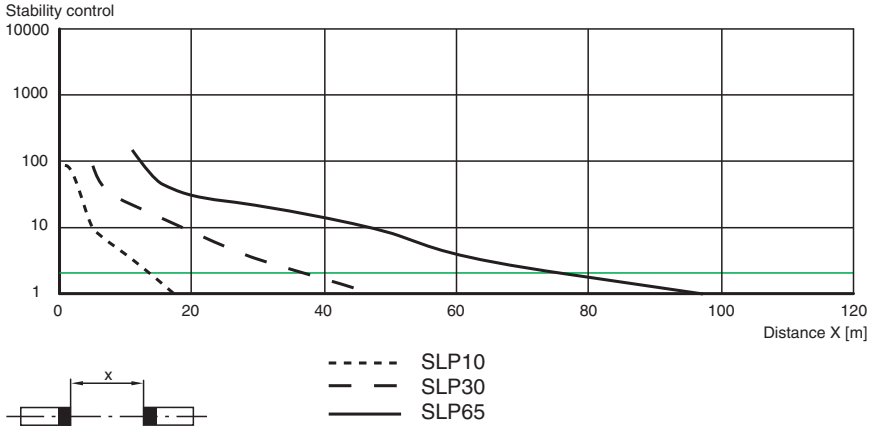


Characteristic Curve

Characteristic response curve

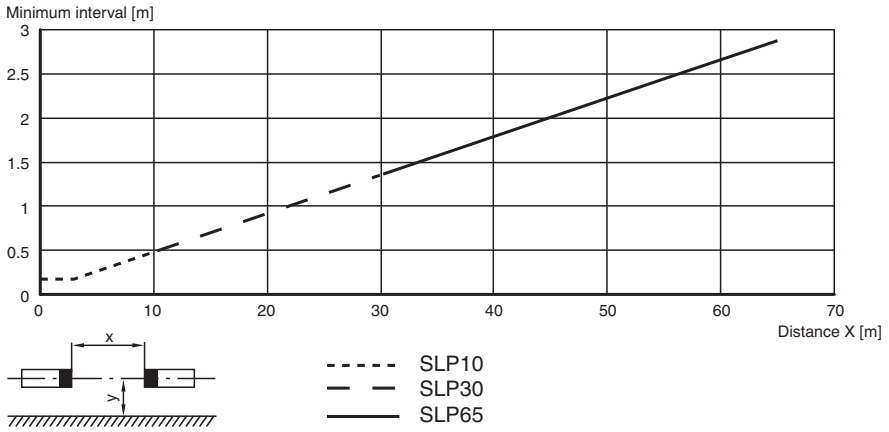


Relative received light strength



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Lateral interval to mirroring surfaces



Matching system components

	**SB4-OR-4XP-B-4159**	Safety control unit
	**SB4-OR-4XP**	Safety control unit
	**SB4-OR-4XP-B**	SB4 series safety control unit with 1 optional module slot for functional enhancement
	**SB4-OR-4XP-B-B**	SB4 series safety control unit with optional module slots for functional enhancement
	**SB4-OR-4XP-B-B-B**	SB4 series safety control unit with optional module slots for functional enhancement
	**SB4-OR-4XP-B-B-B-B**	SB4 series safety control unit with optional module slots for functional enhancement
	**SB4-OR-4XP-B-B-B-B-B-B**	SB4 series safety control unit with optional module slots for functional enhancement
	**SB4-OR-4XP-B-4158**	Safety control unit
	**SB4-OR-4XP-3819**	Safety control unit
	**SB4-OR-4XP-4M**	Safety control unit
	**SB4-OR-4XP-4MD**	Safety control unit
	**SB4-OR-4XP-4M-4136**	Safety control unit of series SB4
	**SB4-OR-4XP-4X**	Safety control unit
	**SB4-OR-4XP-4X-3819**	Safety control unit
	**SB4-OR-4XP-4136**	Safety control unit of series SB4

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Accessories

	SLP-X-M	Deviation mirror for SLP
	**MS SLP**	Mounting bracket for Light grid
	PG SLP-X	Protective glass panes for SLP series
	**PG HOLDER SLP**	Holders for SLP protective glass panes
	**PA SLP/SLC**	Alignment aid for SLP and SLC series profile light grids
	**UC SLP/SLC**	Floor stand for all series SLP/SLC devices
	**UC SLP/SLC 1530 mm**	Floor stand for all series SLP/SLC devices
	**Damping UC SLP/SLC**	Shock absorber as ramming protector for all series SLP/SLC devices
	**Enclosure UC SLP/SLC**	Housing for floor stand
	**MS SLP/SLA28**	Fixing plate
	**BINDER SLPC/M**	Cable tie for the secure laying and fixing of the connection leads, in particular for the muting sensors connected to safety light grids.
	**PG SLP-4**	Protective glass panes for SLP series

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Accessories

Additional accessories can be found in the Internet.

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