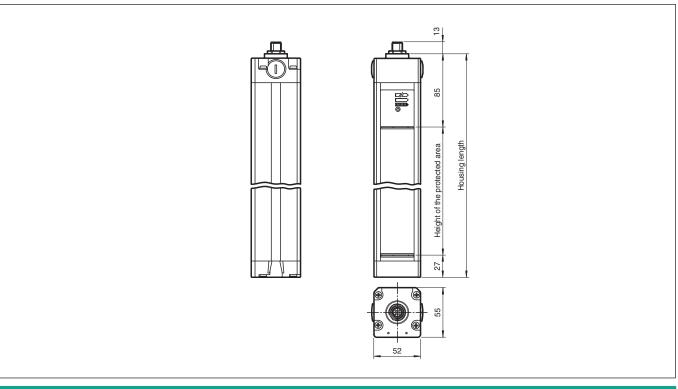


Safety light curtain SLC30-1350/151



- Sensing range up to 15 m
 Resolution 30 mm (hand protection)
- Self-monitoring (type 4 according to IEC/EN 61496-1)
- Master/Slave detection, Plug and Play
- Start/Restart disable
- Degree of protection IP67
- Integrated function display
- Pre-fault indication
- Optional with relay monitor (Option 129)
- Connection via appliance socket M12 x b1
- Safety outputs OSSD in potential-separated semiconductor version
- Protective field height up to 1800 mm

Dimensions



Technical Data

SLC30-1350-T/92	
SLC30-1350-R/151	
0.2 15 m	
IRED	
modulated infrared light	
exempt group	
	SLC30-1350-R/151 0.2 15 m IRED modulated infrared light

Refer to "General Notes Relating to Pepperl+Fuchs Product Information"

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Operating voltage UB 24 V DC (-30 %/-25 %) No-load supply current In Inter: ≤ 100 mA receiver: ≤ 150 mA Protection class III Inter: ≤ 100 mA receiver: ≤ 150 mA Input Activation current approx. 10 mA Activation time 0.03 1 s Test input Reset-input for system test (not for option /129) Function input Start release Output 2 separated fail safe semiconductor outputs Signal output 2 separated fail safe semiconductor outputs Signal output 0 porating voltage -2 V Switching voltage Operating voltage -2 V Switching current max. 0.5 A Response time 24 ms Conformity ISO 13849-1 Product standard EN 61496-1; IEC 61496-2 Approval CE Currontificates UL su Listed Cock approval CC (capproval/marking not required for products rated ≤36 V TÜV approval CU Us Listed Cot approval CC (capproval/marking not required for products rated ≤36 V TÜV approval 0	Technical Data		
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Angle of divergence<5 °	Operating mode		can be selected with or without start/restart disable
Angle of divergence<5 °	Optical resolution		30 mm
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Mechanical specifications Housing length L 1460 mm	Storage temperature		-25 70 °C (-13 158 °F)
Housing length L 1460 mm	Relative humidity		max. 95 %, not condensing
	Mechanical specifications		
Degree of protection IP67	Housing length L		1460 mm
	Degree of protection		IP67

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Safety light curtain

SLC30-1350/151

Technical Data		
Connection	Emitter: M12 connector, 4-pin Receiver: M12 connector, 8-pin	
Material		
Housing	extruded aluminum profile, RAL 1021 (yellow) coated	
Optical face	Plastic pane	
Mass	Per 4350 g	

Connection Assignment

Emitter

Receiver

Ready +UB

Restart

OSSD1

OSSD2

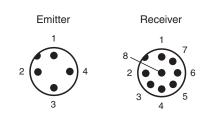
0 V

Shield

Test (/129 RM)



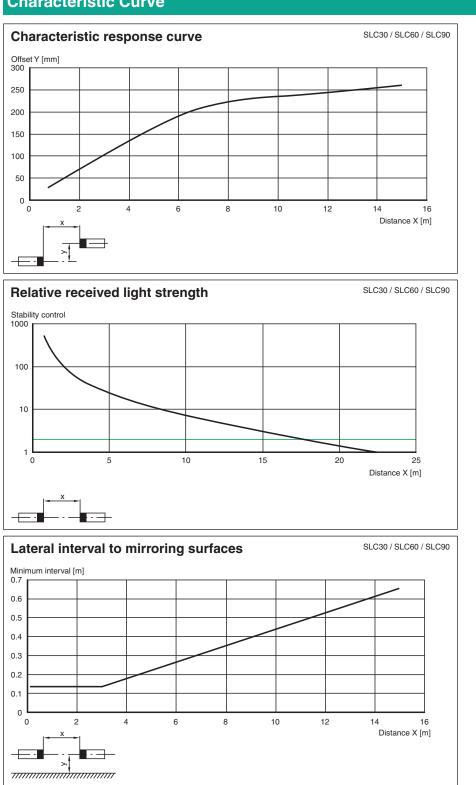
Connection Assignment



Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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Characteristic Curve



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

Refer to "General Notes Relating to Pepperl+Fuchs Product Information"

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Release date: 2020-03-23 Date of issue: 2020-10-06 Filename: 199755_eng.pdf

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Matching system components

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	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

Accessories

PG SLC-1350	Protective glass panes for SLC series

 Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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Notes

Master slave mode

Master: SLC..-... (semiconductor) or

SLC..-.../31 (relay)

Slave: SLC..-...-S

Using slaves makes it possible to lengthen protective fields or to form protective fields that lie in more than just one level. When you select slaves that can be connected, you should take into consideration that the maximum number of 96 light rays must not be exceeded.

There are slaves for transmitters and receivers. These may simply be connected to the master light curtain. As many as 2 slaves may be connected respectively to the transmitter and receiver unit.

Installation:

- 1. The end cap should be screwed off for the light curtain (without cable gland).
- 2. The plug-in jumper on the connectors of the printed circuit board, which is now visible, should be removed.
- 3. The slave is designed so that the cap located on the cable connector can be plugged directly onto the open end of the light curtain with the printed circuit board.
- 4. After you have screwed on the connection cap, the system is complete.

System accessories

- Mounting set SLC
- Test rods SLC14/SLC30/SLC60
- Protective glass pieces for SLC (to protect the optically functional surface)
- Lateral screwed connection SLC
- Profile alignment aid
- Laser alignment aid SLC
- · Mirror for SLC (for securing hazardous areas on multiple sides)
- Ground pillar UC SLP/SLC
- Housing for pillar
- Enclosure UC SLP/SLC
- Collision protector Damping UC SLP/SLC

Refer to "General Notes Relating to Pepperl+Fuchs Product Information