

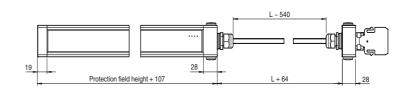








Dimensions



Model Number

SLC14-450-S

Slave module for master slave mode

Features

- Sensing range up to 5 m
- Resolution 14 mm (finger protection)
- · Protection field height up to 750 mm
- 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
- Safety outputs OSSD in potential-separated semiconductor design or with monitored, compelled connection NC-contacts
- Optional with ATEX certificates for zone 2 and 22 and degree of protection IP66 (Option 133)

Accessories

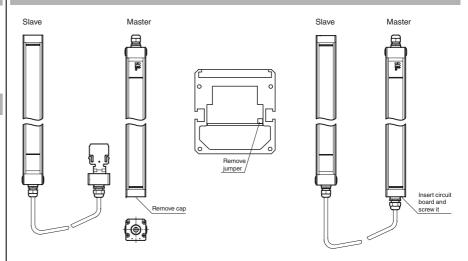
PG SLC-450

Protective glass panes for SLC series

BA SLC

laser alignment aid for safety light cutrtains series SLC

Electrical connection



www.pepperl-fuchs.com

Test input in the master Function input in the master

Output

Safety output in the master Signal output in the master

Response time depends on height of protective field

Conformity

Functional safety ISO 13849-1

Product standard EN 61496-1 ; IEC 61496-2

Ambient conditions

Ambient temperature 0 ... 55 °C (32 ... 131 °F)
Storage temperature -25 ... 70 °C (-13 ... 158 °F)
Relative humidity max. 95 %, not condensing

Mechanical specifications

Housing length L 560 mm

Degree of protection IP67

Connection M20 cable gland ,

terminal compartment with screw terminals, lead cross-section max. 1.5 mm²

Material

Housing extruded aluminum profile, RAL 1021 (yellow) coated

Optical face Plastic pane
Mass Per 1650 g

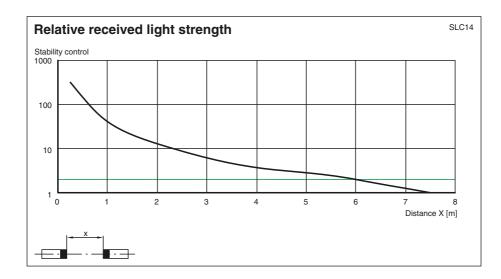
Approvals and certificates

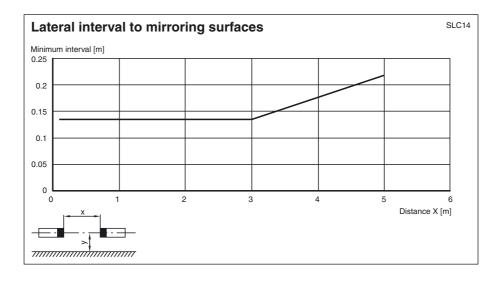
CE conformity CE
UL approval cULus Listed

CCC approval / marking not required for products rated ≤36 V

TÜV approval TÜV

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Notes

Response times of cascading units

If cascading units are set up, the response time of the entire SLC, consisting of a master and a slave, must be determined. The overall number of beams for master and slave can be determined from technical data sheets. Depending on the type of output, the resulting response time can be read from the table.

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Number of beams	Response time in milliseconds		
	Semiconductor output	Relay output	
8	10	30	
16	10	30	
24	12	32	
32	14	34	
40	16	36	
48	18	38	
56	20	40	
64	22	42	
72	24	44	
80	26	46	
88	28	48	
96	30	50	

Example: Master: SLC14-300/31 32 beams

Slave: SLC60-90-S+ 24 beams

56 beams

56 beams, OSSD relay --> response time = 40 ms.

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

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