







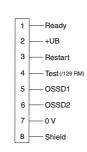


Electrical connection

Emitter

Dimensions





Receiver

Model Number

SLC14-750/151

with 2 separate fail-safe semiconductor outputs

Features

- Sensing range up to 5 m
- Resolution 14 mm (finger 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
- Connection via appliance socket M12 x b1
- Safety outputs OSSD in potential-separated semiconductor version
- Protective field height up to 1800 mm

Pinout





Receiver

Accessories

PG SLC-750

Protective glass panes for SLC series

laser alignment aid for safety light cutrtains series SLC

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 Safety output 1 PNP, max. 100 mA for start readiness Signal output

Operating voltage -2 V Switching voltage Switching current max. 0.5 A

26 ms Response time

Conformity

ISO 13849-1 Functional safety

Product standard EN 61496-1; IEC 61496-2

Ambient conditions Ambient temperature

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

Mechanical specifications

Housing length L 860 mm Degree of protection IP67

Connection Emitter: M12 connector, 4-pin Receiver: M12 connector, 8-pin

Material

Housing extruded aluminum profile, RAL 1021 (yellow) coated

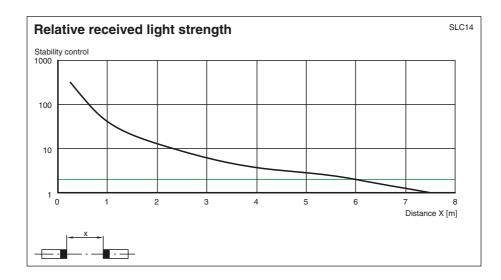
Optical face Plastic pane Per 2550 g

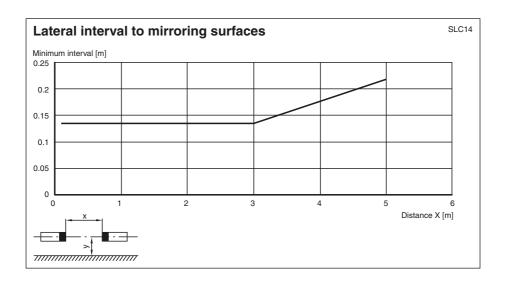
Approvals and certificates

CE conformity CF **UL** approval cULus Listed

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

TÜV approval ΤÜV 199726_eng.xml





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