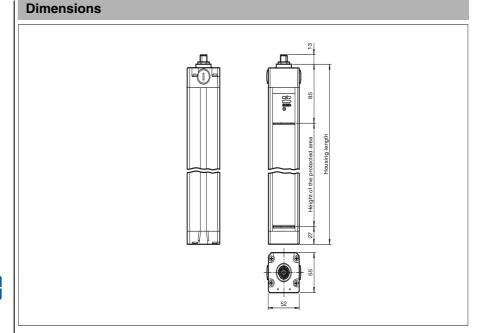




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Model Number

SLC14-1050/130/151

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
- Very short response time
- 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

Accessories

PG SLC-1050

Protective glass panes for SLC series

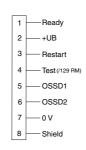
BA SLC

laser alignment aid for safety light cutrtains series SLC

Electrical connection

Emitter Receiver





Pinout





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

22 ms Response time

Conformity

ISO 13849-1 Functional safety

Product standard EN 61496-1; IEC 61496-2

Ambient conditions

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

Mechanical specifications

Housing length L 1160 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

CF

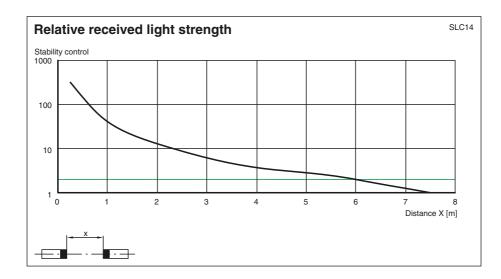
Plastic pane Optical face Per 3450 g

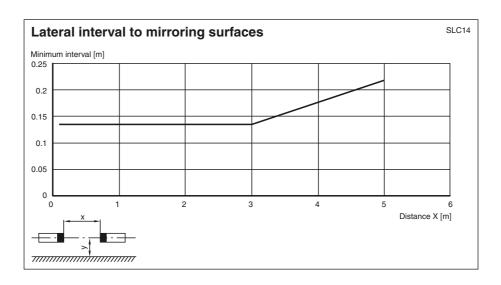
Approvals and certificates

CE conformity **UL** approval cULus Listed

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

TÜV approval ΤÜV 199730_eng.xml





Master-Slave operation

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

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

SLC..-...-S Slave:



The use of slaves allows both the protection fields to be extended and protection fields to be created that do not all exist at a single level. When deciding which slaves to connect, remember that the total maximum of 96 beams must not be exceeded. Up to 192 beams are possible if the /130 option is selected.

Slaves exist for the transmitter and the receiver. These simply need to be connected to the master light curtain. Up to two slaves can be connected to both the transmitter and receiving units. Only one slave can be connected if the /130 option is selected.

Installation:

- 1 The end cap (no cable gland) on the light curtain is unscrewed and removed.
- 2 The plug-in jumper on the connectors of the now visible PCB is removed.
- 3 The slave is designed in such a way that the cap and PCB on the connecting cable plug directly onto the open end of the light curtain.
- 4 Once the end cap has been screwed on, the system is complete.

System accessories

- Mounting set SLC
- Test rods SLC14/SLC30/SLC60
- Protection glass for SLC (to protect the optical surface)
- Side cable gland SLC
- · Profile alignment tool
- Beam alignment tool SLC
- Mirror for SLC (to protect danger areas on more than one side)
- Stands UC SLP/SLC
- Enclosure for stands Enclosure UC SLP/SLC
- Start protection Damping UC SLP/SLC

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