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Dimensions State of the properties are a residue of the prope

Model Number

SLC30-600/129

with 2 separate fail-safe semiconductor outputs

Features

- 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
- Degree of protection IP67
- Integrated function display
- Pre-fault indication
- Safety outputs OSSD in potential-separated semiconductor version
- Protective field height up to 1800 mm
- Start/Restart disable preset by Option /129
- Integrated relay monitor

Accessories

PG SLC-600

Protective glass panes for SLC series

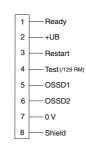
BA SLC

laser alignment aid for safety light cutrtains series SLC

Electrical connection

Emitter Receiver





Pinout



Emitter



Receiver

Technical data

System	components
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 Emitter
 SLC30-600-T

 Receiver
 SLC30-600-R/129

General specifications

Effective detection range 0.2 ... 15 m Light source IRED

Light type modulated infrared light

LED risk group labelling exempt group
Tests IEC/EN 61496

Safety type according to IEC/EN 61496 4
Width of protected area 0.2 ... 15 m

Width of protected area 0.2 ... 15 m

Protection field height 600 mm

Number of beams 32

Operating mode Startup/restart disable preset with Relay monitor (preset)

Optical resolution 30 mm Angle of divergence < 5 $^{\circ}$

Functional safety related parameters

Indicators/operating means

Operation indicator 7-segment display in emitter
Diagnostics indicator 7-segment display in receiver

Function indicator in receiver:
LED red: OSSD off
LED green: OSSD on

LED yellow: Protected area free, system start-ready

Pre-fault indicator LED orange
Control elements Transmission coding

Electrical specifications

Operating voltage U_B 24 V DC (-30 %/+25 %)

No-load supply current I_0 Emitter: \leq 100 mA receiver: \leq 150 mA

Protection class III

Input

Activation current approx. 10 mA
Activation time 0.03 ... 1 s
Function input Start release

Output

Safety output 2 separated fail safe semiconductor outputs Signal output 1 PNP, max. 100 mA for start readiness

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

Switching current max. 0.5 A
Response time 14 ms

Conformity

Functional safety ISO 13849-1

Product standard EN 61496-1; IEC 61496-2

Ambient conditions

Ambient temperature $0 \dots 55 \,^{\circ}\text{C} (32 \dots 131 \,^{\circ}\text{F})$ Storage temperature $-25 \dots 70 \,^{\circ}\text{C} (-13 \dots 158 \,^{\circ}\text{F})$ Relative humidity max. 95 %, not condensing

Mechanical specifications

Housing length L 710 mm

Degree of protection IP67

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

Receiver: 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 2100 g

Approvals and certificates

CE conformity CE
UL approval cULus Listed

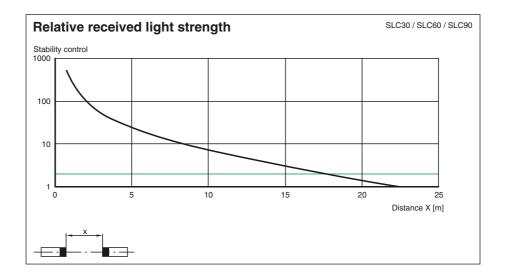
CCC approval / marking not required for products rated ≤36 V

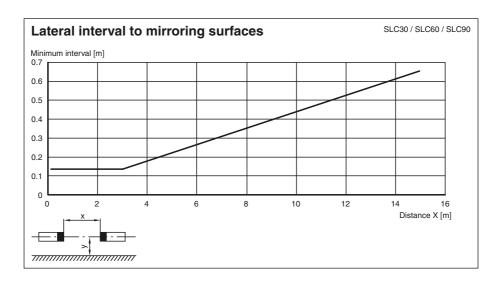
TÜV approval TÜV

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Notes

Master slave mode

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