

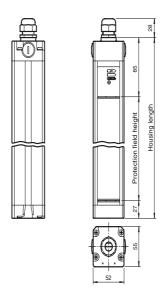








# Dimensions



### **Model Number**

#### SLC14-1650/130

with 2 separate fail-safe semiconductor outputs

#### **Features**

- Sensing range up to 5 m
- Resolution 14 mm (finger protection)
- · Protective field height up to 1800 mm
- 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
- Safety outputs OSSD in potential-separated semiconductor design or with monitored, compelled connection NC-contacts
- Optional with relay monitor (Option 129)
- Optional with ATEX certificates for zone 2 and 22 and degree of protection IP66 (Option 133)

# Accessories

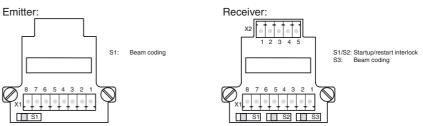
### PG SLC-1650

Protective glass panes for SLC series

#### BA SLC

laser alignment aid for safety light cutrtains series SLC

# **Electrical connection**



| Terminal | Emitter             | Receiver SLCR (semiconductor output) | Receiver SLCR/129 (Relay monitor) |
|----------|---------------------|--------------------------------------|-----------------------------------|
| X1:1     | Functional earth    | Functional earth                     | Functional earth                  |
| X1:2     |                     | Test (input)                         | Relay monitor                     |
| X1:3     |                     | 0 V OSSD                             | 0 V OSSD                          |
| X1:4     |                     | 24 V OSSD                            | 24 V OSSD                         |
| X1:5     |                     | OSSD2 (output)                       | OSSD2 (output)                    |
| X1:6     |                     | OSSD1 (output)                       | OSSD1 (output)                    |
| X1:7     | 0 V AC/DC           | 0 V DC                               | 0 V DC                            |
| X1:8     | 24 V AC/DC          | 24 V DC                              | 24 V DC                           |
| X2:1     |                     | Start release (output)               | Start release (output)            |
| X2:2     |                     | Status OSSD (output)                 | Status OSSD (output)              |
| X2:3     | Not placed on board | n.c.                                 | n.c.                              |
| X2:4     |                     | n.c.                                 | n.c.                              |
| x2:5     |                     | Startup readiness (input)            | Startup readiness (input)         |

EN 61496-1; IEC 61496-2 Product standard

**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 1760 mm Degree of protection IP67

Connection M20 cable gland,

terminal compartment with screw terminals, lead cross-section max. 1.5 mm<sup>2</sup>

Connection options Further electrical connection options on request:

Connector M12, 8-pin

Connector DIN 43 651 Hirschmann, 6-pin+PE Connector M26x11 Hirschmann, 11-pin+PE

Material

Housing extruded aluminum profile, RAL 1021 (yellow) coated

Optical face Plastic pane Per 5250 g

Approvals and certificates

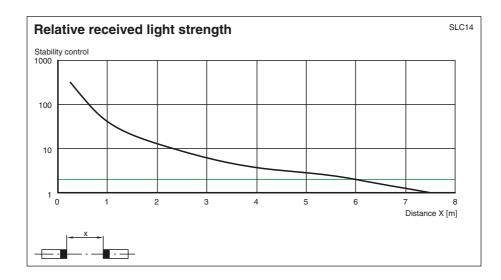
CE CE conformity **UL** approval

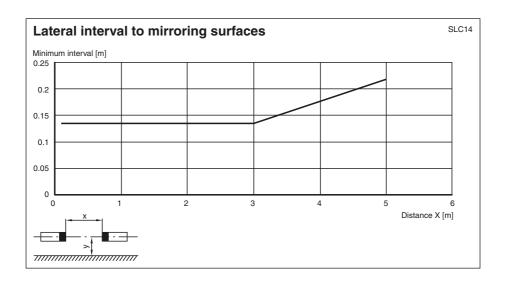
CCC approval CCC approval / marking not required for products rated ≤36 V

ΤÜV TÜV approval

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Date of issue: 2017-12-07





## **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:

- The end cap (no cable gland) on the light curtain is unscrewed and removed. 1
- 2 The plug-in jumper on the connectors of the now visible PCB is removed.
- 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.
- 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

**PEPPERL+FUCHS**