









Model Number

SLC30-1650/133

Safety light curtain with 2 separate fail-safe semiconductor outputs

Features

- ATEX-approval for zone 2 and zone 22
- Sensing range up to 15 m
- · Resolution 30 mm (hand protection)
- Self-monitoring (type 4 according to IEC/EN 61496-1)
- Safety outputs OSSD, external status displays OSSD
- Start/Restart disable
- Integrated function display
- Pre-fault indication
- Degree of protection IP66

Accessories

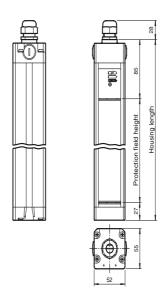
PG SLC-1500

Protective glass panes for SLC series

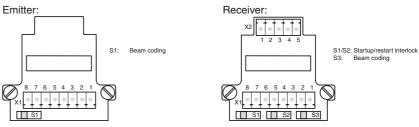
BA SLC

laser alignment aid for safety light cutrtains series SLC

Dimensions



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)

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Approvals and certificates
CE conformity

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

TÜV approval TÜ

Equipment protection level Gc (nA)

ATEX marking II 3 G Ex nAc op is IIC T4

Directive conformity 94/9/EG

Standards EN 60079-0:2009 , EN 60079-15:2010 , EN 60079-28:2007

Special conditions

Equipment protection level Dc

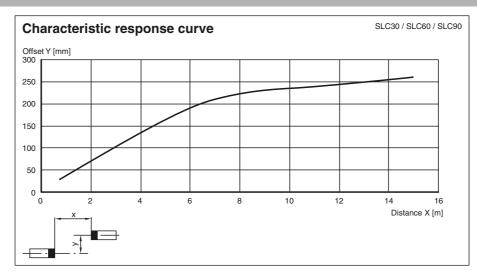
ATEX marking II 3 D Ex to IIIC T90 °C

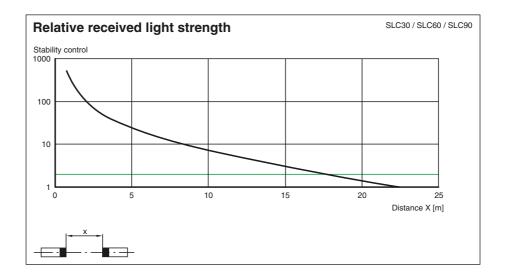
Directive conformity 94/9/EG

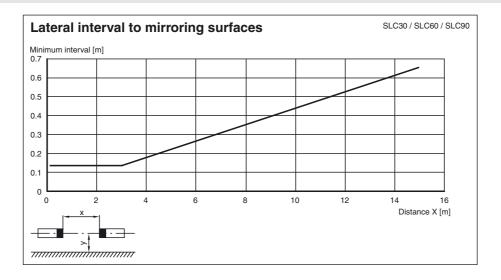
Standards EN 60079-31:2009

Special conditions

Curves/Diagrams







Notes

Master slave mode

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

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:

- The end cap should be screwed off for the light curtain (without cable gland). 1
- The plug-in jumper on the connectors of the printed circuit board, which is now visible, should be removed. 2
- 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.
- 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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