







Model Number

SLPCM10-2/31

Safety light grid with integrated control

with 2 relay outputs with two force-guided normally open contacts

Features

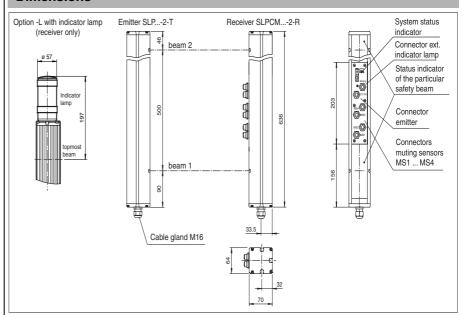
- Detection range up to 10 m
- 2-Radial design
- Beam spacing 500 mm
- Self-monitoring (type 4 according to IEC/EN 61496-1)
- Red transmission light
- Usable with or without start/restart
- Sequential and parallel muting in various operating modes
- Emergency muting for the correction of the material jam
- Integrated relay monitor
- 7-segment diagnostic display
- Integrated function display
- Pre-fault indication
- OSSD outputs as semiconductor or relay outputs

Accessories

PG SLP-2

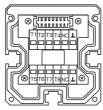
Mounting aid Safety

Dimensions

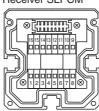


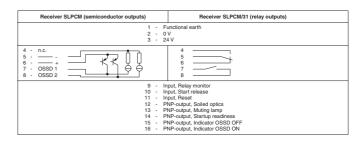
Electrical connection

Emitter SLP









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 PFH_d 3.54 E-9

Indicators/operating means

Diagnosis display 7-segment display

Function display LED red: per receiver channel

off: interruption flashes: receiver

continuously on: reception with sufficient stability control on the front plate: LED red: OSSD off

LED green: OSSD on

LED yellow: types of muting operation Pre-fault indication LED red next to receiver flashes

Operating elements 10 DIP switch in receiver terminal compartment

Electrical specifications

Operating voltage U_{B} 24 V DC $\,$ -15 % $\,$ / +25 % , $\,$ electrically isolated No-load supply current max. 250 mA I_0

Protection class Ш

Input

approx. 10 mA Activation current Activation time

Test input Reset-input for system test

Relay monitor, start release, muting sensors (max. 4) Function input

Output

Output of the pre-fault indication 1 PNP, $+U_B$ -2 V, max. 300 mA

2 relay outputs, compelled connection NO-contact Safety output

1 PNP each, max. 300 mA for start readiness, OSSD on, OSSD off, muting lamp Signal output

Switching voltage 20 ... 60 V DC, 12 ... 25 V AC _{rms}

Switching current 0.01 ... 2 A Switch power 100 VA Response time 40 ms

Ambient conditions

0 ... 50 °C (273 ... 323 K) Ambient temperature -20 ... 70 °C (253 ... 343 K) Storage temperature Relative humidity max. 95 %, not condensing

Mechanical specifications

Protection degree IP65

Cable screwed connection M16, Connection

terminal compartment with cage-terminals,

M12-connector for emitter, muting lamp as well as other muting sensors

Connection options Further electrical connection options on request:

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Connector DIN 43 651 Hirschmann, emitter: 6-pin+PE, receiver: 11-pin+PE

Material

Housing aluminium extruded structural profile, RAL 1021 (yellow) coated

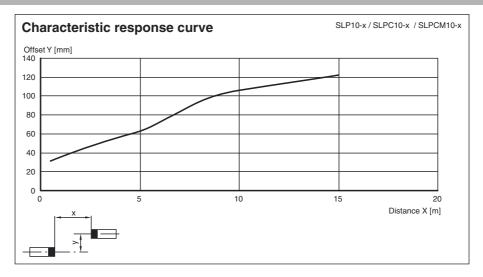
Optical face Plastic pane Per 2300 g

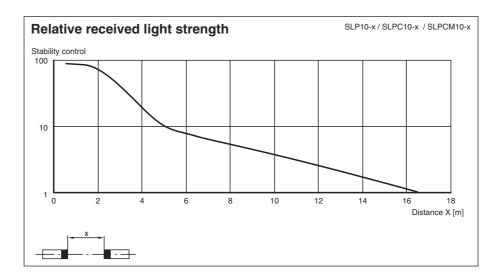
General information System components

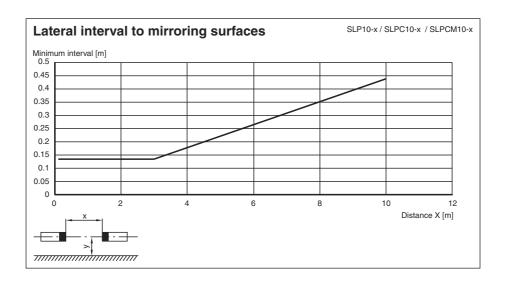
Emitter SLP10-2-T Receiver SLPCM10-2-R/31 ENG.xml

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Curves/Diagrams







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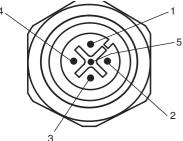
Additional information

Socket assignment on the front side of the device

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Indicator lamp control _<

Socket	Function
1	OSSD on
2	OSSD off
3	0 V
4	Readiness for startup
5	Muting (monitored)

T1 - T4 transmitter control

Socket	Function
1	Transmitter channel 1
2	Transmitter channel 2
3	0 V

Muting sensor inputs MS1 - MS4

Socket	Function
1	+ 24 V
3	0 V
4	Sensor signal

System accessories

- Mounting set MS SLP
- Profile alignment aid PA SLP/SLC
- Laser alignment aid BA SLP
- Ground pillar UC SLP/SLC
- Housing for pillar Enclosure UC SLP/SLC
- Collision protector Damping UC SLP/SLC
- Redirection mirror SLP-2-M

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