

Model Number

 ϵ

SLPCM65-4-L/31

Safety light grid with integrated control

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

Features

- Detection range up to 65 m
- 4-Radial design
- Beam spacing 300 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

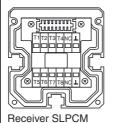
Accessories

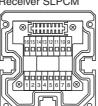
PG SLP-4

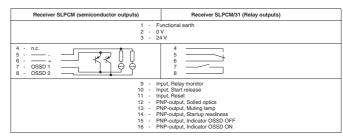
Mounting aid Safety

Electrical connection

Emitter SLP







www.pepperl-fuchs.com

Protection class Ш

Input

Activation current approx. 10 mA Activation time 0.03 ... 1 s

Test input Reset-input for system test

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

Output

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

Safety output 2 relay outputs, compelled connection NO-contact

Signal output 1 PNP each, max. 300 mA for startup readiness, OSSD on, OSSD off, muting lamp, signals in parallel in the lamp socket

Switching voltage 20 ... 60 V DC, 12 ... 25 V AC $_{\rm rms}$ 0.01 ... 2 A

Switching current Switch power 100 VA 40 ms Response time

Ambient conditions

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

Mechanical specifications

Protection degree Connection Cable screwed connection M16

terminal compartment with cage terminals,

M12 connector for transmitters, muting lamp, etc., muting sensors,

lamp socket for muting lamp, etc.

Further electrical connection options on request: Connection options

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

Material

2

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

Optical face Plastic pane Per 3700 g Mass

General information

System components

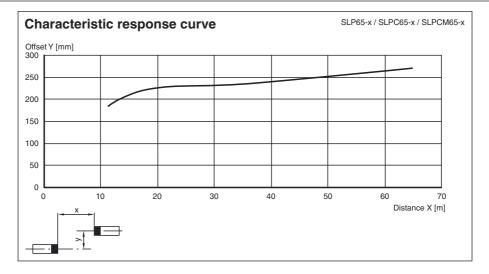
Emitter SI P65-4-T Receiver SLPCM65-4-R-L/31

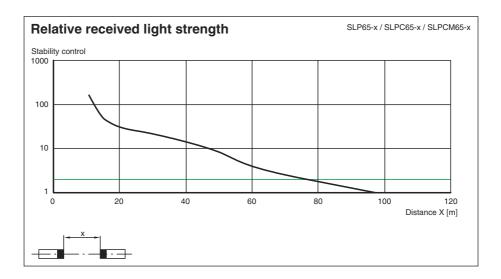
PEPPERL+FUCHS

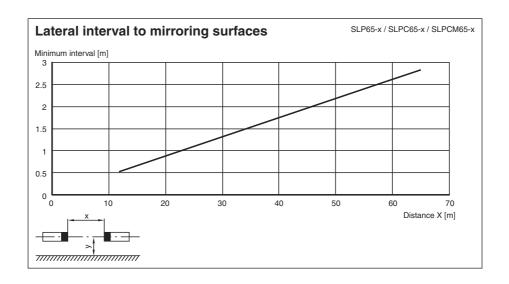
114895_ENG.xml

3

Curves/Diagrams







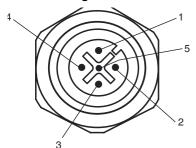
www.pepperl-fuchs.com

fa-info@us.pepperl-fuchs.com

fa-info@pepperl-fuchs.com

Additional information

Socket assignment on the front side of the device



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
4	Transmitter channel 3
5	Transmitter channel 4

Muting sensor inputs MS1 - MS4

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

System accessories

- Mounting set MS SLC
- 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-4-M



FPEPPERL+FUCHS

www.pepperl-fuchs.com