

easygard119D Mod Package

Light curtain kit

Technical data

FEATURES

- ▶ Ultra thin profile (6.5 mm)
- ▶ Profile length of 1.7 m with safe 2D door zone monitoring up to 1.6 m
- ▶ Modular design for maximum flexibility
- ▶ Easy installation



OPTICAL - LIGHT CURTAIN (LC)

Operating range - 2D	0 ... 4 m
Protection height - 2D	1,624 mm
No. of optical elements - 2D	37
No. of beams - 2D	179
Max. ambient light	100,000 Lux
Wave length	940 nm, infrared

MECHANICAL

Dimensions (w × h × l (d))	
- Light curtain	6.4 × 30 × 1,770 mm
- Power converter	132 × 58 × 31 mm
Housing material	
- Light curtain	Aluminum, black powder coated
Enclosure rating	IP54
Temperature range (operation / storage)	-20°C ... +60°C / -40°C ... +75°C

CONNECTION CABLE AND ELECTRICAL CONNECTION

Length	
- Pigtail	0.4 m (light curtain)
- Extension cable	5 m
Connection	DIN, 5-pin, Ø10 mm
Diameter	Rx: Ø 4.2 mm Tx: Ø 3.4 mm Extension: Ø 5.8 mm
Material	PVC, black
Plug color	
- Tx	White
- Rx	Blue

GENERAL

EMC emission	EN 12015:2021
EMC immunity	EN 12016:2013
Vibration	IEC 60068-2-6:2007
Shock	IEC 60068-2-27:2008
Cable durability	IEC 60227-2:2003
RoHS	2011/65/EU
CE certificate	EN 81-20:2020, ISO 8100-1:2026

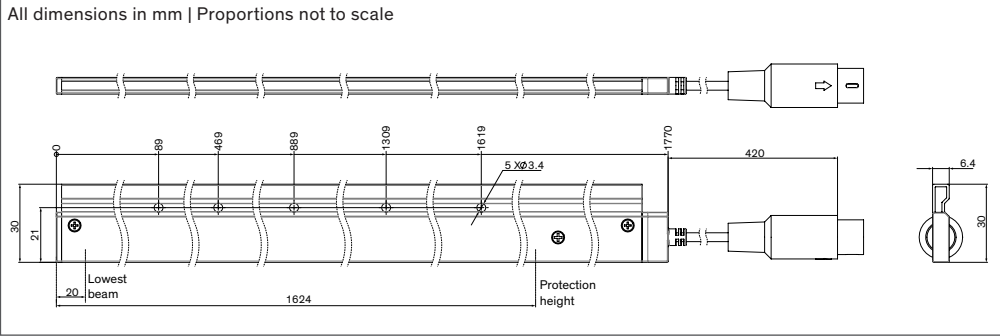
ELECTRICAL - LC | POWER CONVERTER

	LC	Power converter
Supply voltage U_{sp}	10 ... 30 VDC	85 ... 300 VAC
Normal voltage range		220 VAC
Input frequenz range		50 / 60 Hz ±5%
Output	Push-pull	Relay (1× NO, 1× NC)
Relay contact rating		120 VAC / 1 A 24 VDC / 1 A
Output voltage	$0.9 \times U_{sp}$	12 VDC
Max. output current	100 mA, 100 nF	
Rated output current		2.4 W at 12 VDC
Typ. response time	< 110 ms	
Emitter (Tx) indicator LED		
Indicator LED 1	Red ON	Power
Receiver (Rx) indicator LEDs		
Indidator LED 1	Red ON	Power
Indicator LED 2	Red OFF	No 2D object
Indicator LED 2	Red ON	2D object detected
Power converter indicator LEDs		
- Status LED	Green ON	COM-NO closed
	Green OFF	COM-NC closed
- Power LED	Red ON	Power ON
	Red OFF	Power OFF

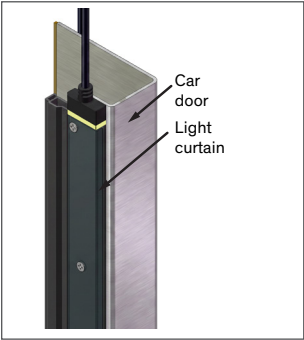


CEDES AG is certified according to ISO 9001: 2015.

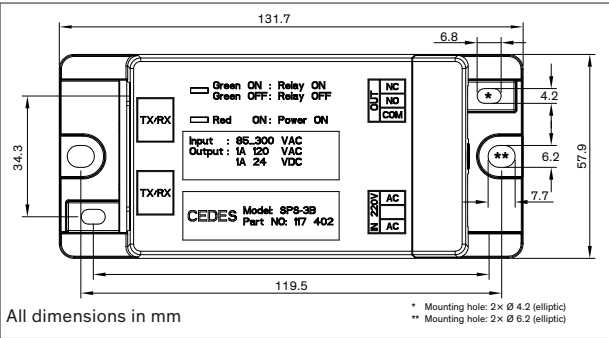
Dimensions - Light curtain



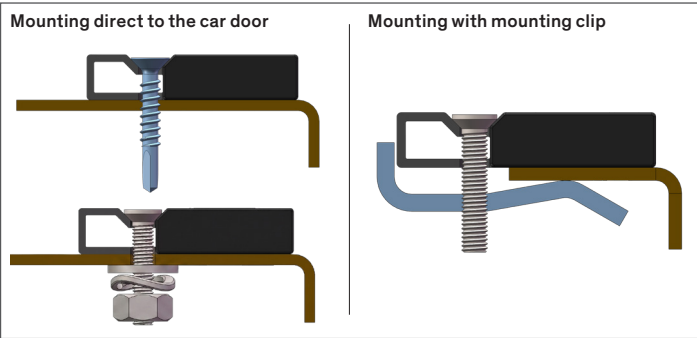
Detailed view



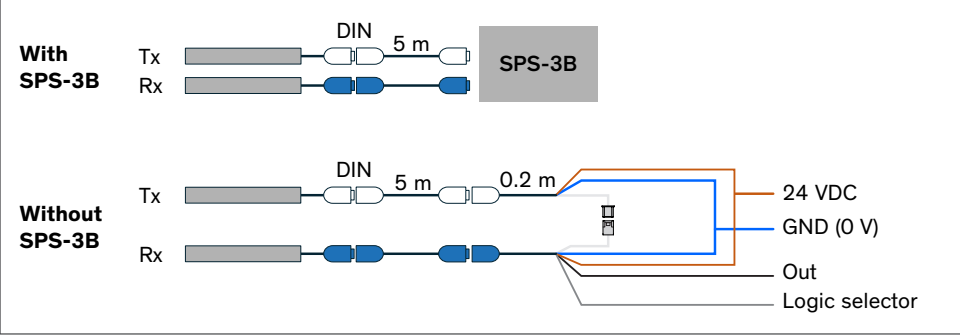
Dimensions – SPS-3B



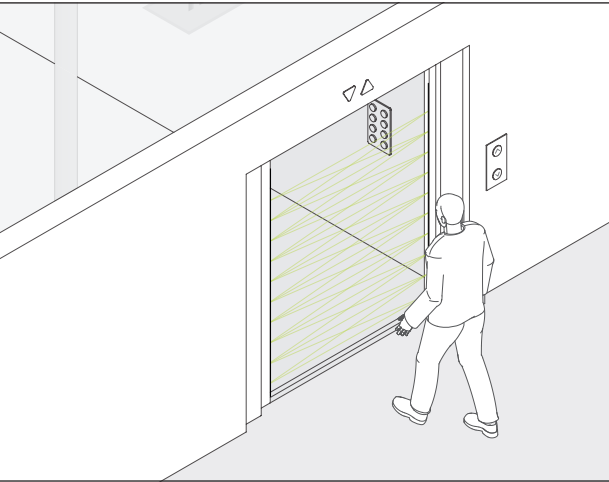
Mechanical integration



Wiring (with | without SPS-3B)



Application



2D detection

Contents of delivery

Pos.	Description	Qty
1	Light curtain system (emitter Tx and receiver Rx edge)	1
2	Connection cable, DIN to DIN, 5 m (Rx and Tx)	2
3	Emitter adapter, DIN to flying leads	1
4	Receiver adapter, DIN to flying leads	1
5	Power converter SPS-3B	1
6	Mounting kit - consisting of:	
	- Mounting clips	10
	- M3 x 19 cross-recess countersunk self-drilling screws	10
	- M3 x 16 cross-recess countersunk screws	10
	- M3 flat washers	10
	- M3 spring washers	10
	- M3 nuts, 0.5 mm pitch	10