

**Secure and complete
monitoring of elevator doors
Standardized in accordance
with EN 81-20**

Elevator light grid
AL3609.4



AL3609.4 - Reliable, gap-free monitoring of automatic and elevator doors

The AL3609.4 light grid is used where safe, gap-free detection is required. Typical applications include monitoring elevator doors, access systems, entrance areas and reliable access control.

The AL3609.4 has a potential-free signal output that can be wired to suit. It also has a separate diagnostic output for function monitoring and dynamic beam configuration with up to 174 active beams. Its features include, among others, reliable object detection to a distance of zero millimeters and extraneous light immunity against sunlight.

At only 9.4 mm wide, the slim, matte black aluminum profile with IP54 degree of protection makes a stylish and high-quality impression. The evaluation electronics and power supply are fully integrated into the transmitter and receiver units so that no external devices are required for operation. If necessary, the accessory supply module PS1/31 can be used to provide a stable and high-performance power source. This simultaneously offers a potential-free relay contact for switching higher output power. Timer functions can also be configured on the switching signal.

The light grid profile has flexible mounting options. Both rear and side mounting is possible. The system meets the latest standards in accordance with EN 81-20.





Highlights

- Flat light grid with fine resolution for monitoring closing edges with max. 174 beams
- Ready for connection with integrated evaluation electronics
- Ideal for both new elevators and retrofitting existing elevator systems
- Standard conformity in accordance with EN 81-20
- Object detection down to zero distance
- Automatic beam configuration
- Diagnostic output
- Resistant to reflections and extraneous light such as sunlight

Optional accessories

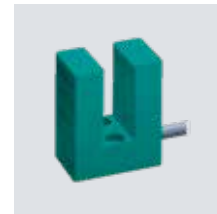
PS1/31

Switching device for easy electrical connection.



SJ15/SJ30 series

Inductive slot sensors for end position monitoring.



MINI-PS-100

Mains power supply for reliable power delivery.



Technical Data

Effective operating distance	0 mm ... 4000 mm
Field height	1,645 mm
Beam gap	47.5 mm
Function indicator	Yellow/red LED
Operating voltage U_B	15 to 30 VDC
No-load current I_0	< 100 mA at 24 VDC
Diagnostic output	Volt-free normally-closed contact, signals continuous beam interruption e.g., due to dirt
Switching mode	Light-on/dark-on switching Programmable
Signal output	Potential-free changeover contact Programmable semiconductor switching behavior
Degree of protection	IP54
Connection	With 5-pin or 7-pin DIN plug and fixed cable



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