

SRC30/EL

Safety Relais Compact

A powerful, compact safety relay that has been specially developed for the highest safety requirements in machines and elevators - reliable, versatile and space-saving.



General features

- Sensors
- Configuration
- Structure
- Switching characteristics
- Safety levels
- Applications



Single or dual-channel operation with/for:

- Emergency stop button
- Light curtain monitoring
- Mechanical safety switches
- Non-contact safety contacts

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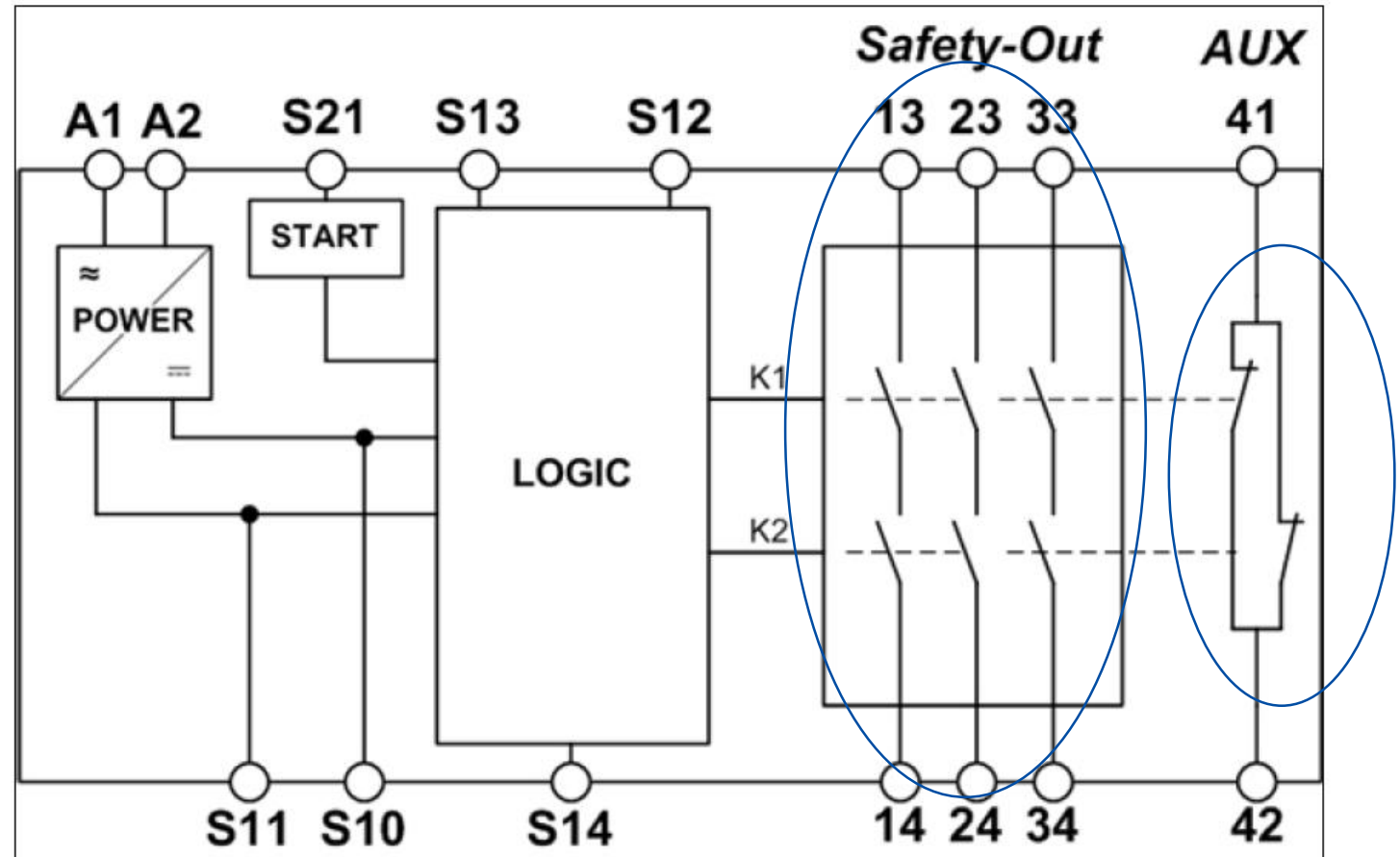
- Feedback loop for monitoring downstream contactors or expansion modules
- Cyclical monitoring of the output contacts
- Display of switching status and mains via LED
- Automatic or manual start
- Cross-circuit and earth fault monitoring

General features

3 Safety Relais

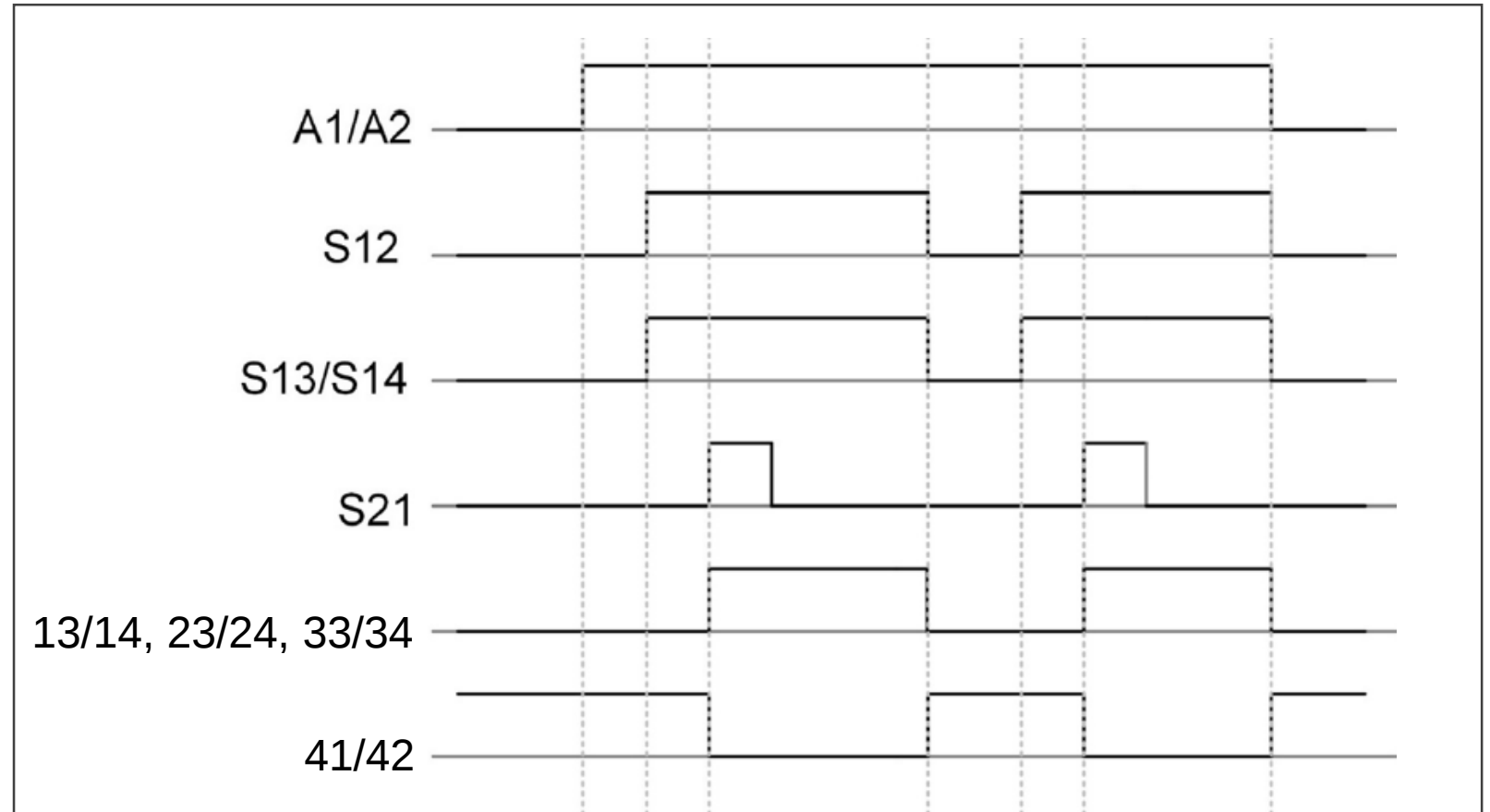
1 Signal Output

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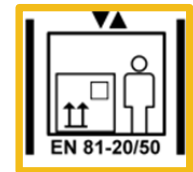


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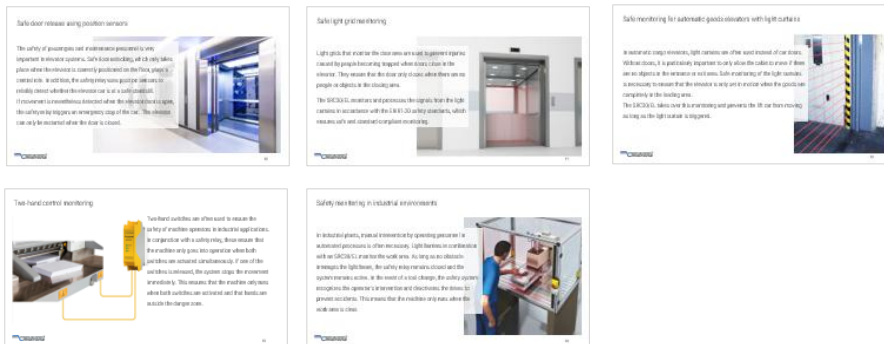
Use up to SIL3/PLe

- EN ISO 13849-1
- EN IEC 62061
- EN 61508 1
- EN 81-20
- EN 81-50



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- Mechanical engineering
- Automation technology
- Conveyor technology
- Robotics
- Safety monitoring in industrial environments
- Elevator monitoring

THANK YOU
for your kind attention.

CONTACT



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Safe door release using position sensors

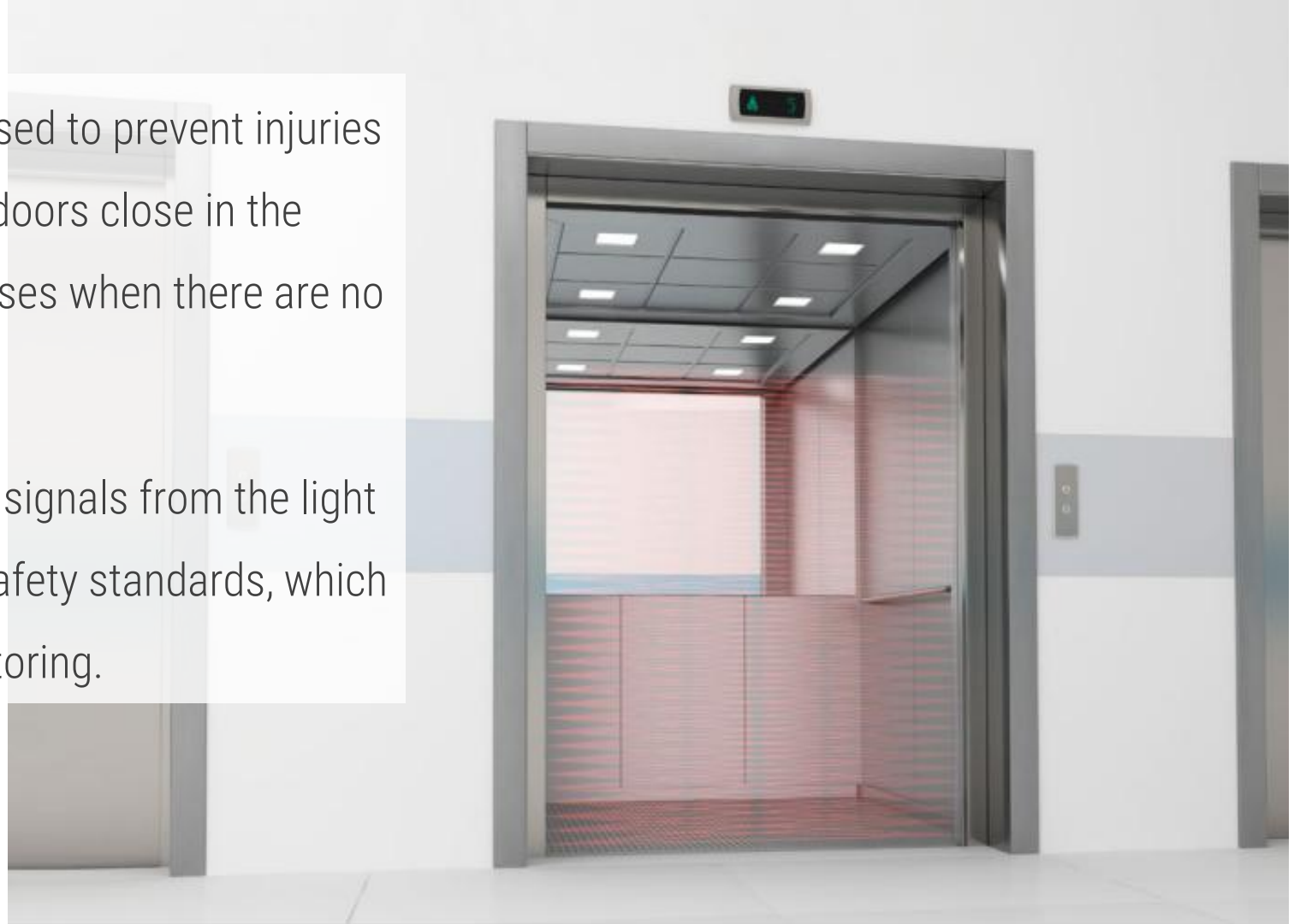
The safety of passengers and maintenance personnel is very important in elevator systems. Safe door unlocking, which only takes place when the elevator is correctly positioned on the floor, plays a central role. In addition, the safety relay uses position sensors to reliably detect whether the elevator car is at a safe standstill. If movement is nevertheless detected when the elevator door is open, the safety relay triggers an emergency stop of the car. The elevator can only be restarted when the door is closed.



Safe light grid monitoring

Light grids that monitor the door area are used to prevent injuries caused by people becoming trapped when doors close in the elevator. They ensure that the door only closes when there are no people or objects in the closing area.

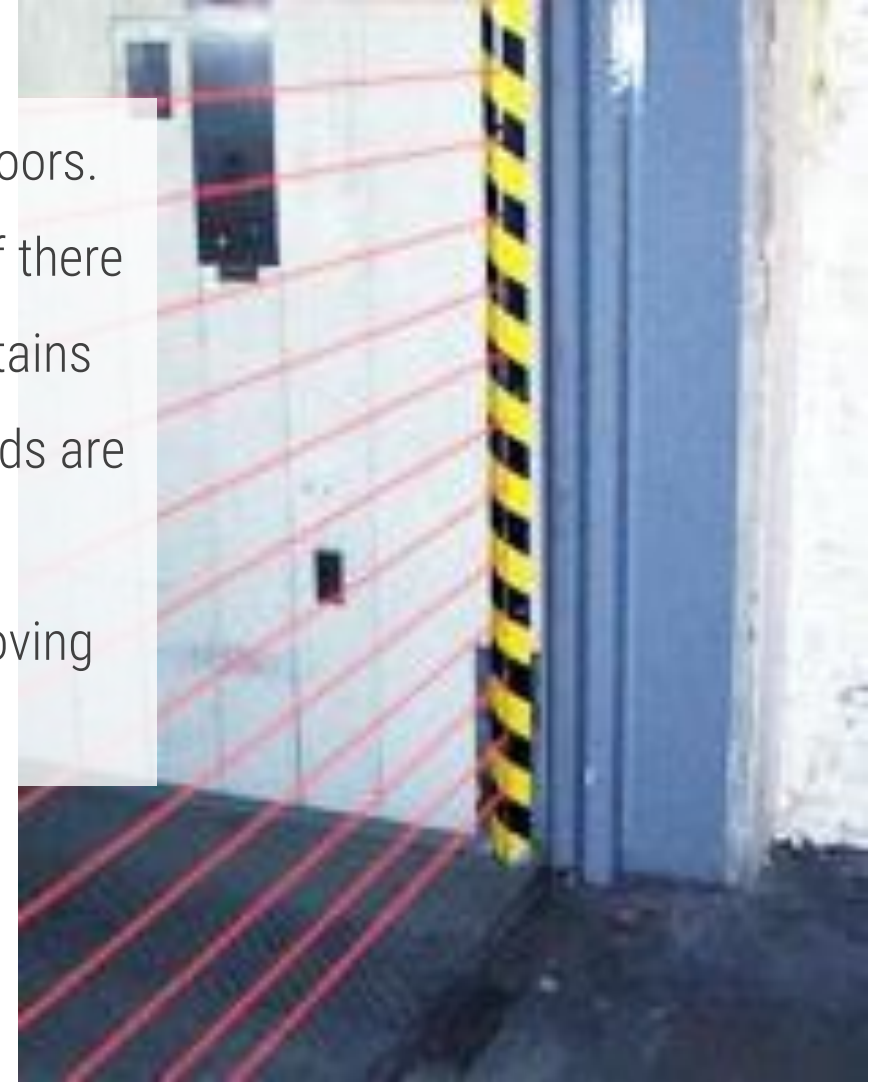
The SRC30/EL monitors and processes the signals from the light curtains in accordance with the EN 81-20 safety standards, which ensures safe and standard-compliant monitoring.



Safe monitoring for automatic goods elevators with light curtains

In automatic cargo elevators, light curtains are often used instead of car doors. Without doors, it is particularly important to only allow the cabin to move if there are no objects in the entrance or exit area. Safe monitoring of the light curtains is necessary to ensure that the elevator is only set in motion when the goods are completely in the loading area.

The SRC30/EL takes over this monitoring and prevents the lift car from moving as long as the light curtain is triggered.



Two-hand control monitoring



Two-hand switches are often used to ensure the safety of machine operators in industrial applications. In conjunction with a safety relay, these ensure that the machine only goes into operation when both switches are actuated simultaneously. If one of the switches is released, the system stops the movement immediately. This ensures that the machine only runs when both switches are activated and that hands are outside the danger zone.

Safety monitoring in industrial environments

In industrial plants, manual intervention by operating personnel in automated processes is often necessary. Light barriers in combination with an SRC30/EL monitor the work area. As long as no obstacle interrupts the light beam, the safety relay remains closed and the system remains active. In the event of a tool change, the safety system recognizes the operator's intervention and deactivates the drives to prevent accidents. This means that the machine only runs when the work area is clear.

