

**Mayser Safety Technology:
Reliable protection for power-operated gates**

Safety for Doors and Gates

Depending on the application and installation situation, automatic doors and gates can represent a danger to people and objects during closing.

Obstacle detection systems from Mayser reliably ensure the safety of main and secondary closing edges on sliding gates, roller gates, sectional gates and swing doors.



We make automatic processes safe

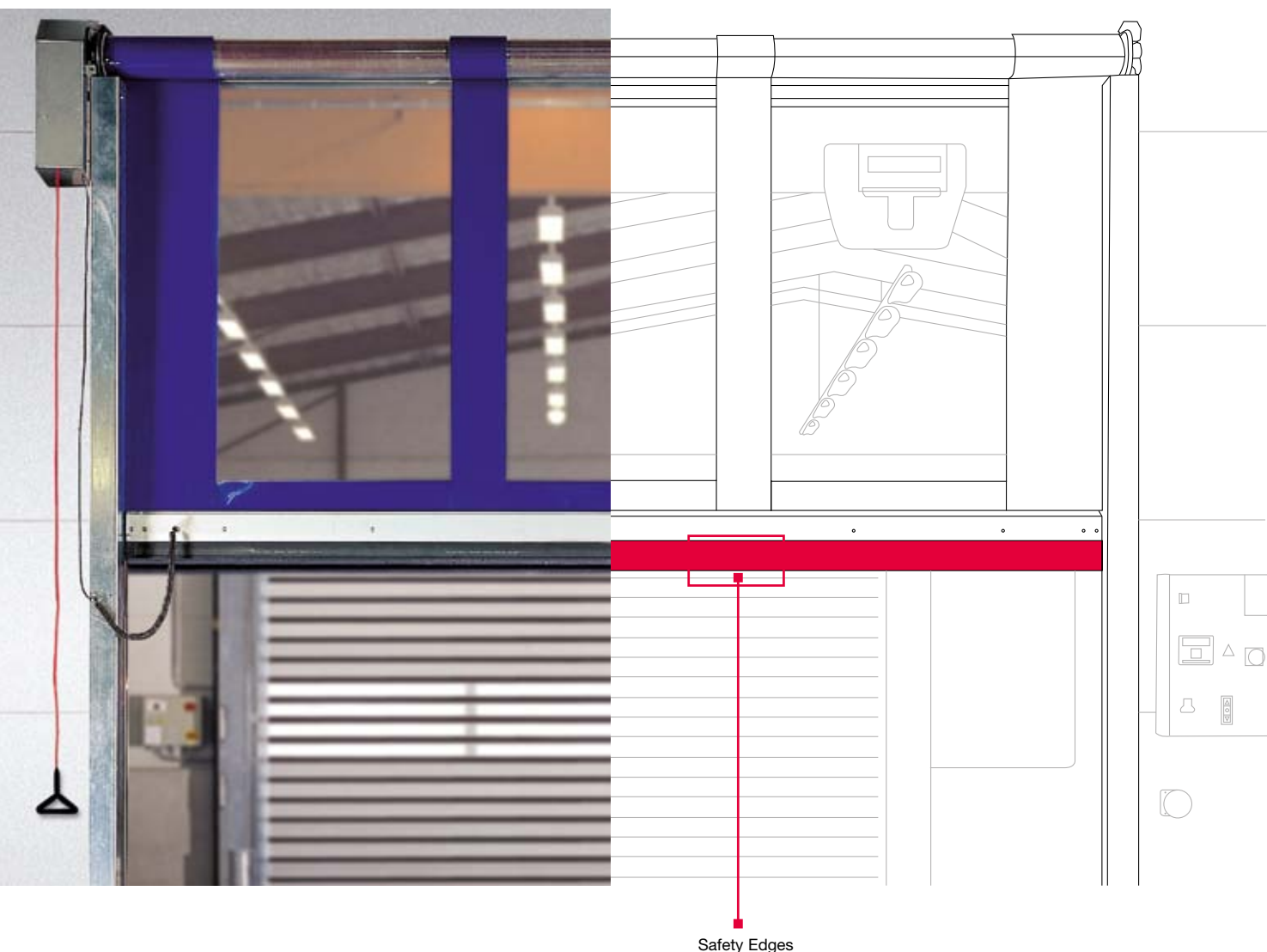
Growing demands for improved energy efficiency, safety and design in building technology result in the increasing automation of windows, doors and gates. Depending on the installation situation and application, automatic doors and gates can represent a danger to people and objects during closing.

With its tried-and-tested obstacle detection systems, Mayser has a longstanding record of protecting

people in the vicinity of automated doors and gates. Mayser Safety Edges and Safety Bumpers reliably prevent pinching by main and secondary closing edges on sliding gates, roller gates, sectional gates and swing doors. For instance, if a person obstructs the closing movement of the gate, this triggers the tactile sensor. This in turn sends a signal to the control system, which stops or reverses the automatic closing movement. Mayser

safety systems react rapidly, reliably and without being affected by light, dirt or weather. That ensures optimum protection.

Now, with the SP Sensor Profile range, Mayser has developed a new DIY system specially tailored to the requirements of the gate market. The co-extruded sensor profiles are versatile and easy to cut to any length directly on site.



Products for doors and gates applications



Protective devices

Mayser SP Sensor Profiles

Mayser Sensor Profiles are co-extruded profiles. Their design makes them easy to handle, especially for ensuring the safety of doors and gates.

Performance characteristics

- tested in accordance with EN 12978, EN ISO 13856-2 and EN ISO 13849-1
- pre-manufactured or DIY
- easy to use, rapid switching behaviour
- high level of water-tightness (IP67)



Mayser normally open Safety Edges

Mayser normally open Safety Edges detect obstacles and protect against pinching. They reliably ensure the safety of doors and gates as well as on machines and equipment.

- tested in accordance with EN ISO 13856-2 and EN ISO 13849-1
- wide range of profile geometries
- with and without sealing lip
- ATEX version
- maintenance-free



Mayser normally closed Safety Edges

Mayser normally closed Safety Edges features safe, normally closed chains. The positive break contact chain acts simultaneously as a sensor and an evaluation unit. That means there is no need for a separate control unit.

- tested in accordance with EN ISO 13856-2 and EN ISO 13849-1
- can be connected directly to category 3 control systems in accordance with EN ISO 13849-1
- ATEX version
- short-circuit-proof due to double insulation
- maintenance-free



Mayser Miniature Safety Edges

Mayser Miniature Safety Edges are specially developed for short overtravel distances and minimal installation heights. They are used in window and facade technology, mechanical engineering, medical technology and vehicles.

- tested in accordance with EN ISO 13849-1
- high sensitivity – short reaction time
- ideal for low installation heights
- wide range of profile geometries
- adjustable to bend radii and angles
- maintenance-free



Mayser Safety Bumpers

Mayser Safety Bumpers reliably ensure the safety of large gates. They are particularly suitable for long stopping distances of 20 to 500 mm. The Safety Bumpers come in a wide range of shapes and surface finishes, making them very versatile.

- tested in accordance with EN ISO 13856-3
- wide range of shapes and surfaces
- high temperature resistance
- ATEX version
- custom colours similar to RAL
- maintenance-free



Mayser Signal Transmission Systems

The Mayser KLS cable conduit rail and WLS spiral cable system are extremely durable, weatherproof and maintenance-free. They are easy to install and also suitable for gate systems with high frequency rates.

- robust design, rapid installation
- weatherproof and maintenance-free
- space-saving geometry
- short signal transmission times to comply with dynamic force and time parameters



Mayser DIY Spring Contact

You can customise your own Mayser Safety Elements with spring contacts on site.

All the necessary components and tools are available in the practical Mayser service case.

- economical
- versatile
- protection class IP65

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Mayser Safety Technology

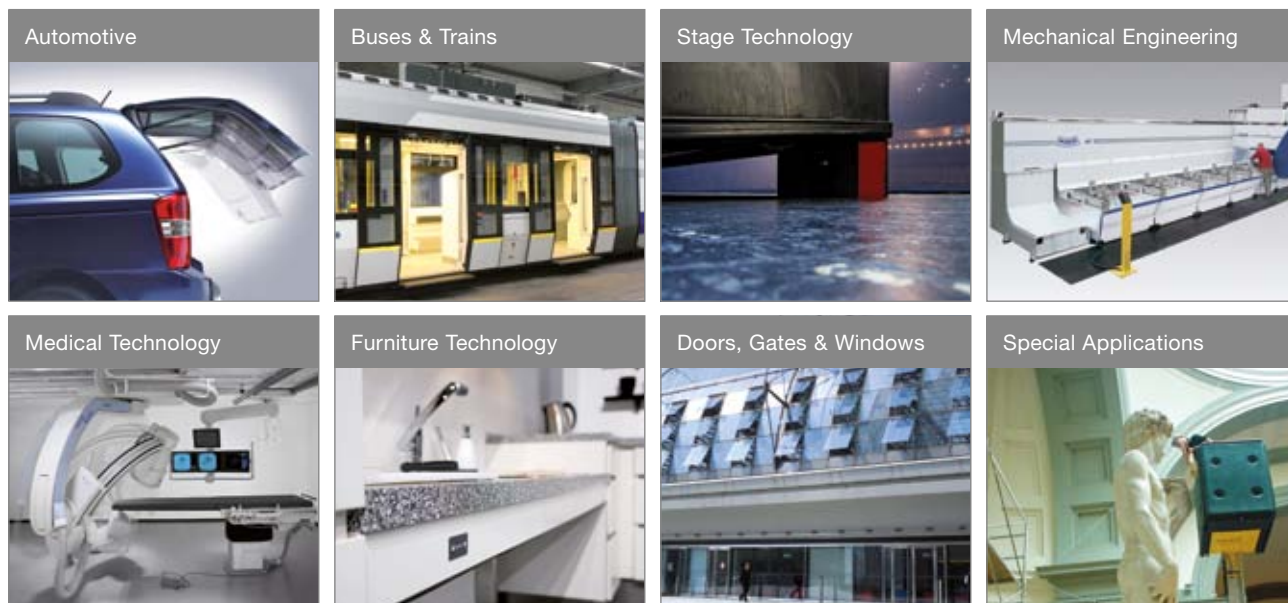
As one of four divisions of Mayser GmbH & Co. KG, an internationally successful group of companies with a tradition stretching back over more than 200 years, Mayser Safety Technology has developed into Europe's leading manufacturer of tactile sensors for safety technology. Mayser is a partner in many industries,

whose requirements for tailor-made safety concepts have increased with growing automation of many areas of life and work.

It all began with the development of a conductive foil in 1978. Today, sensors made by Mayser ensure safety wherever automated movements must be interrupted or

controlled to ensure the safety of man and machine. They are used to ensure safety on industrial production facilities, automatic doors, gates and windows, bus and train doors, in stage, furniture and medical technology as well as in electrically operated tailgates, sliding doors, vent windows and sun roofs in cars.

Our sensors are found in the following Industry Sectors:



Visit our download area at www.mayser-sicherheitstechnik.de or request our product information.

