



## Public transportation

Mayser makes public transportation safe





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The entry and exit areas of buses and trains are major hazard zones in public transportation. That is why reliable obstacle detection and drag detection systems are important issues not only for passengers and transport providers, but also for manufacturers of vehicles and vehicle doors. The retrofittable Mayser system provides this safety.

It features these safety components:

- Safety edges (safety elements)
- Control units

Mayser safety systems have been exceeding statutory regulation demands for a long time. The company is a leader in product quality and Europe's top supplier of drag detection systems. Thanks to the reliability and availability of its solutions, the company is a yardstick for door area safety. Furthermore, Mayser safety systems integrate seamlessly into public transportation vehicles. This ensures higher cycle times.

## Table of contents

<b>1</b>	<b>Our solutions</b>	<b>4</b>
	Safety edges with safety elements	4
<b>2</b>	<b>Safety edges with safety elements</b>	<b>6</b>
	Technical data	6
	Your benefits	7



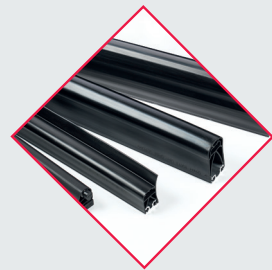
## 1 Our solutions

### Areas of application

Mayser supplies pressure-sensitive sensors for buses and trains. Our sensors stop dangerous movements of automatic doors. They also provide reliable obstacle detection and bumping protection as well as lower arm and drag detection.

Included in our range are solutions for:

- External swing doors
- Internal swing doors
- Swing sliding doors



### Safety edges with safety elements

The pressure-sensitive finger protection profiles on the doors have integrated safety elements. They react to even very small objects by stopping the closing movements of doors.



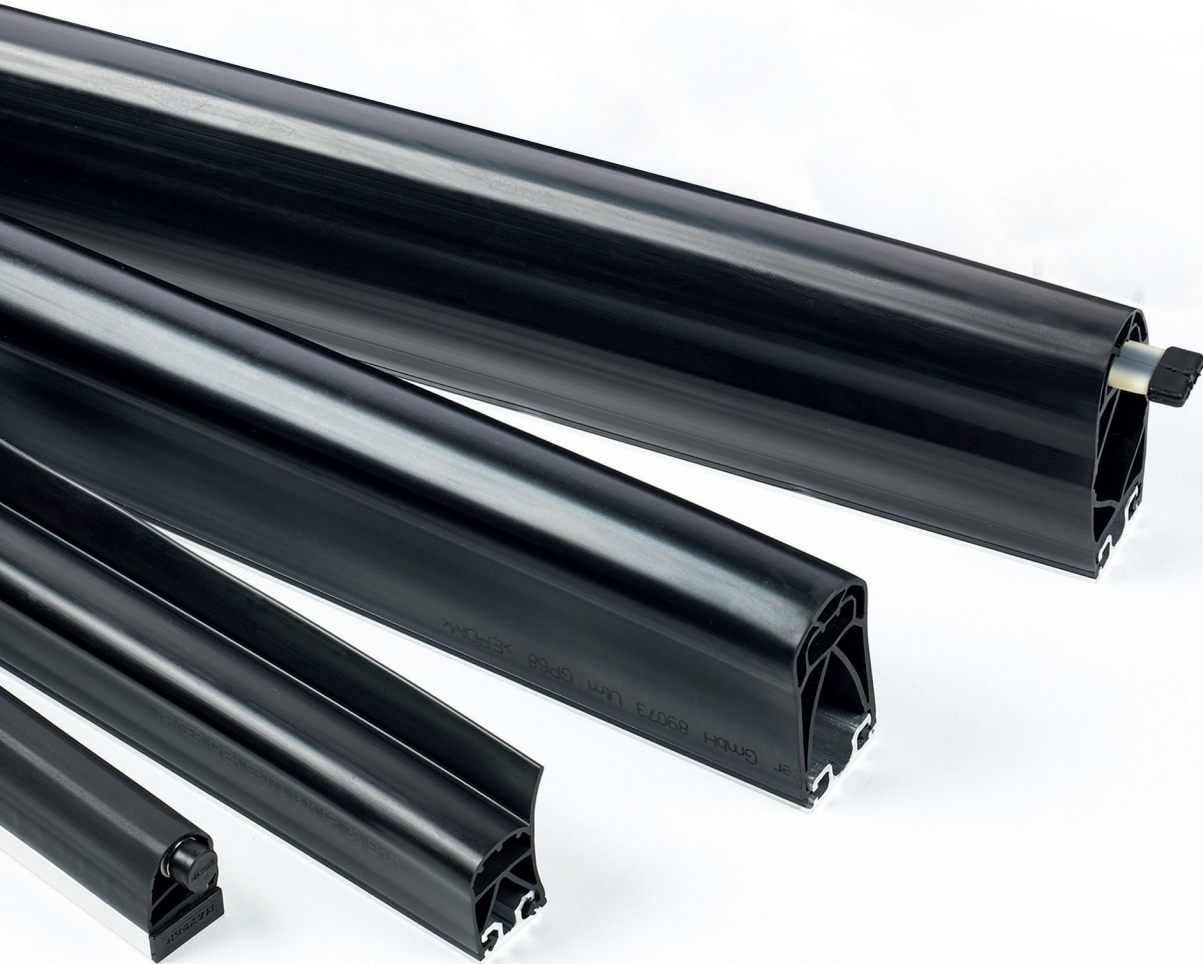


2 Safety edges with safety elements

Safety edges with safety elements react to even very small objects by stopping the closing movements of doors. Doors are stopped before injuries can occur. This is made possible by sensors that protect against hazards from pinching edges. Mayser is the only supplier of fire-retardant elements in this market segment.

Technical data

Operational principle	<ul style="list-style-type: none"><li>• Pressure-sensitive</li></ul>
Areas to be secured	<ul style="list-style-type: none"><li>• Main closing edge</li><li>• Secondary/auxillary closing edge</li></ul>
Protection class	<ul style="list-style-type: none"><li>• IP67</li></ul>
Applied standards	<ul style="list-style-type: none"><li>• UNECE-R 118</li><li>• EN 14752</li><li>• VDV 111</li><li>• VDV 161</li></ul>
Fire protection standard	<ul style="list-style-type: none"><li>• EN 45545-2</li></ul>
Electronic type	<ul style="list-style-type: none"><li>• Normally-open principle</li><li>• Closed-current principle</li></ul>
Customization options	<ul style="list-style-type: none"><li>• Customized profile design</li><li>• Customized development of safety elements</li></ul>



Your benefits

- ✓ Safety element monitoring applying the closed-circuit principle
- ✓ Meets all statutory requirements
- ✓ Specialist competence / expertise in the industry
- ✓ Broad range of sensors
- ✓ High degree of customization possible
- ✓ High project expertise



Option

RailFR are fire-retardant sensors and cables that comply with EN 455 45-2 R26 Level HL3 even without a rubber profile.

[www.mayser.com](http://www.mayser.com)

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